



RF Coaxial Connectors Adaptors, Tools & Accessories

General Product Catalogue

Edition 2018

ROSNOL Online Dynamic Product Finder
contains the current standard product range with
specific details, including data sheets and mounting
dimension.
www.rosnol.com/en/product/index.aspx





ROSNOI



ROSNOL, a manufacturer of quality

At Rosnol RF/Microwave Technology our goal is to invent technologies to empower the RF and microwave industry to design faster, simplify production, and eliminate complexity.



We achieve this goal through intensive research, product development, and advanced and carefully controlled production. Rosnol has been designing high-performance microwave components for decades, demonstrating our technical expertise. The resulting products can handle up to 67 GHz, display particularly low VSWR values, and possess high quality in every aspect. Our extensive knowledge base is enhanced with state-of-the-art test and measurement equipment (capable of measurements up to 67 GHz). Designs are validated using both the most sophisticated CAD and simulation software available and proprietary design software. All assembly and testing is performed under the supervision of the design engineer at the same facility. Our assembly capabilities include precision leaded and lead-free solder, as well as, auto-assembly.

High Performance Connectivity Solutions

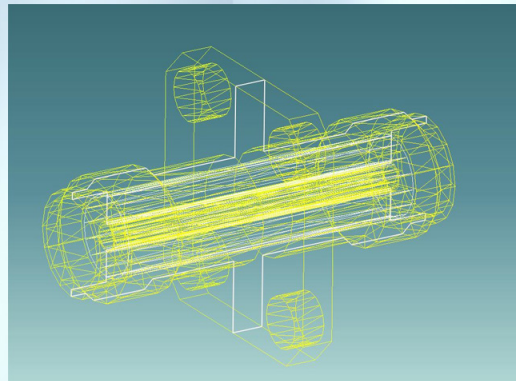
These capabilities lead to a portfolio of high performance connectivity solutions encompassing broadband, low VSWR, low insertion loss, and high directivity. Our products include coaxial connectors, coaxial adaptors, test & measurement components, fixed attenuators, DC blocks, impedance matching pads, and many other high-quality products.

For most of our products we can provide short lead times and extensive design support. In addition, if required we can meet customized specifications for most products of our catalog.

Capabilities

Every Application Is Unique

As a RF connectivity manufacturer, every application is unique. Our dedicated team of experts is able to find the right solution for every situation, especially when a customized product is needed. We work with customers from the conception to the production to make sure every technical specification is met. This direct collaboration helps to streamline our operations and provides better time-efficiency for our clients. Our standard products can be matched with our technical expertise to create perfectly customized products for any application, in every industry.



Our Engineering includes

- Bundled connector solutions
- Customized coaxial connectors
- Customized cable assemblies
- Modifications of existing designs
- Application-specific, optimized VSWR (Return Loss)

Our Engineering toolbox includes

- 3D RF analysis
- Keysight (Agilent) vector network analyzers



Manufacturing capabilities include

- CNC machining, to meet particular customer needs
- Stamped metal componentry
- Automated assembly

Quality & Certificates

Every Production Is High Reliability

Quality is the guiding principle and result of all our activities here at Rosnol. As every action is implemented with the idea that it influences the overall quality of our products, the prerequisites for quality are put in place in all areas.

The high quality of our products and services is a fundamental element of our corporate strategy. Our quality policy is the basis of an effective quality system which empowers us to deliver products and services that consistently exceed our customer's requirements and expectations. All managers and employees are making continuous efforts to achieve the very best quality in everything that we offer.



Quality Management

Our quality department oversees every part of our operation, from initial product design to product shipping. We are dedicated to achieving the highest customer satisfaction through the execution of quality control and our constant efforts to improve product performance and reliability.

The capabilities of our quality laboratory and test environments include:

- Keysight (Agilent) vector network analyzer DC to 50 GHz – VSWR, Insertion Loss, and PIM
- Environmental testing – Thermal shock, moisture resistance, corrosion, vibration, and shock
- Mechanical testing – Vibration, pull tests, matings durability, and retention force

Rosnol is ISO 9001 certified:

Continuous improvement and optimization

Our excellence-oriented employees are continuously challenging themselves to identify opportunities for quality improvement. No matter whether it is product development, planning, purchasing, production, sales, logistics, or any other area, we strive to offer the maximum benefit to our customers wherever possible.



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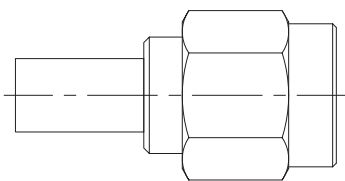
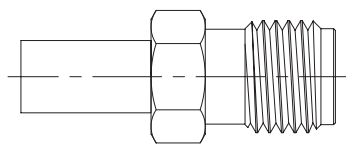
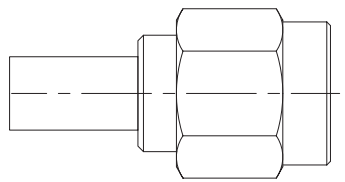
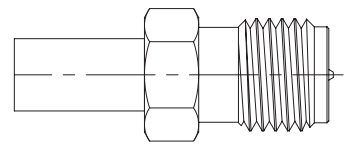
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ROSNOL Definition Codes

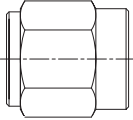
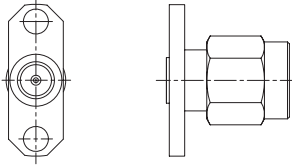
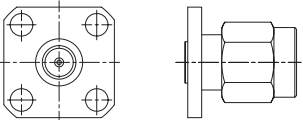
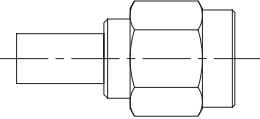
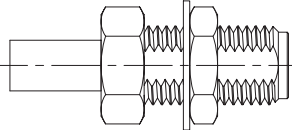
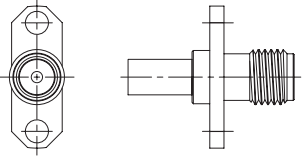
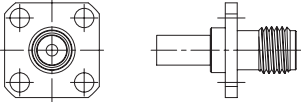
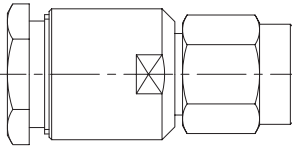
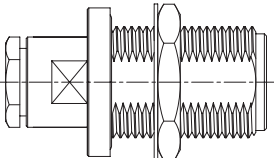
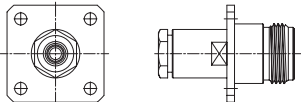
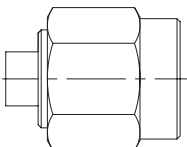
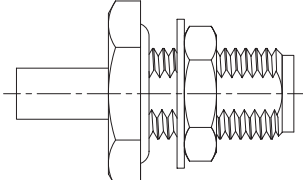
ROSNOL Part Number

SMA	1	E	5	0-	0141	A	/ A	B	C
									C=Coupling Nut Plating Code
									B=Outer Conductor Plating Code
									A=Center Conductor Plating Code
									Type Variation
									Cable Connector Suitable Cable Connector Variation
									Configuration
									Impedance
									Connector Patterns
									Connector Genders
									Connector Series

Connector Genders

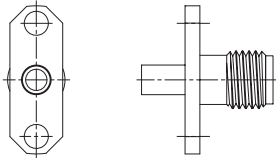
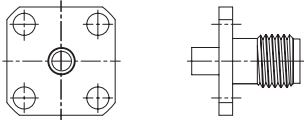
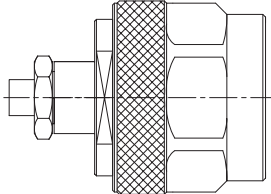
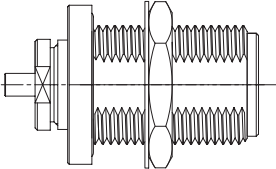
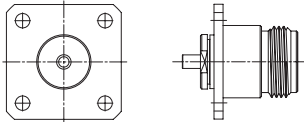
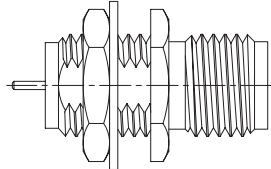
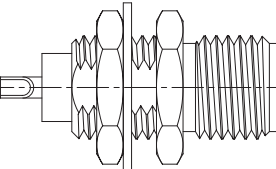
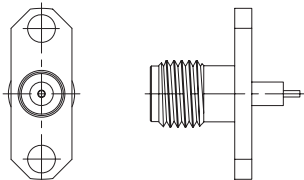
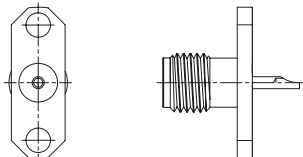
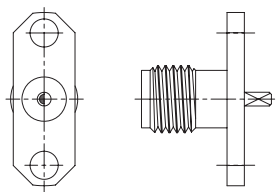
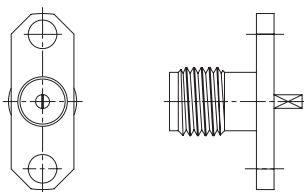
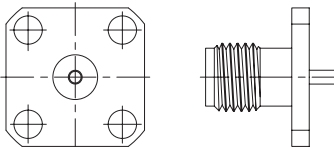
1...	Male Plug	2...	Female Jack
	 Plug is a connector featuring the coupling mechanism complementary to the jack	 Jack is a connector featuring the coupling mechanism complementary to the plug	
5...	Reverse Polarity Male Plug (Male Outer Conductor Female Center Conductor)	7...	Reverse Polarity Female Jack (Female Outer Conductor Male Center Conductor)
	 Reverse polarity Male Plug (Male Outer Conductor Female Center Conductor) is a connector featuring the coupling mechanism complementary to the reverse polarity jack (Female Outer Conductor Male Center Conductor)	 Reverse polarity Female Jack (Female Outer Conductor Male Center Conductor) is a connector featuring the coupling mechanism complementary to the reverse polarity plug (Male Outer Conductor Female Center Conductor)	

Connector Patterns

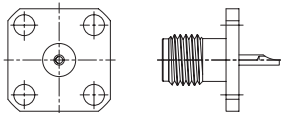
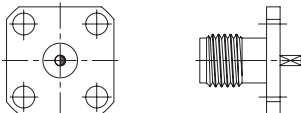
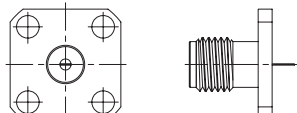
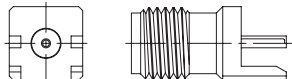
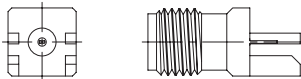
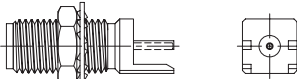
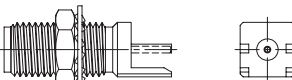
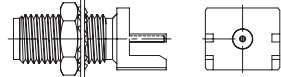
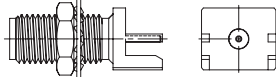
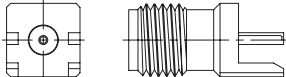
A...	Protective Caps	BT...	Field Replaceable 2-Holes Flange	BF...	Field Replaceable 4-Holes Flange
					
C...	Cable Crimp	CA...	Cable Crimp For Bulkhead	CBT...	Cable Crimp For Panel 2-Holes Flange
					
CBF...	Cable Crimp For Panel 4-Holes Flange	D...	Cable Clamp	DA...	Cable Clamp For Bulkhead
					
DBF...	Cable Clamp For Panel 4-Holes Flange	E...	Cable Solder	EA...	Cable Solder For Bulkhead
					

ROSNOL Definition Codes

Connector Patterns

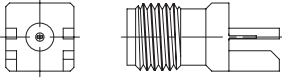
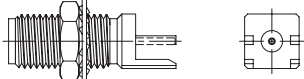
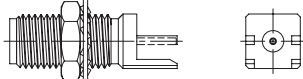
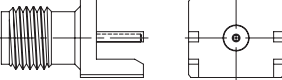
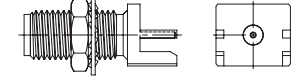
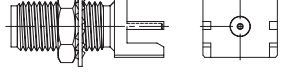
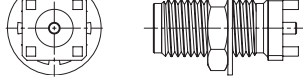
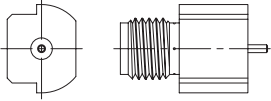
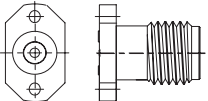
EBT...	Cable Solder For Panel 2-Holes Flange	EBF...	Cable Solder For Panel 4-Holes Flange	K...	Cable Solder Clamp
					
KA...	Cable Solder Clamp For Bulkhead	KBF...	Cable Solder Clamp For Panel 4-Holes Flange	FA...	Bulkhead Connector (Coaxial End)
					
FB...	Bulkhead Connector (Solder End)	GTA...	Panel 2-Holes Flange Connector (Coaxial End)	GTB...	Panel 2-Holes Flange Connector (Solder End)
					
GTC...	Panel 2-Holes Flange Connector (Semicircular End)	GTD...	Panel 2-Holes Flange Connector (Flat End)	GFA...	Panel 4-Holes Flange Connector (Coaxial End)
					

Connector Patterns

GFB..	Panel 4-Holes Flange Connector (Solder End)	GFC..	Panel 4-Holes Flange Connector (Semicircular End)	GFD..	Panel 4-Holes Flange Connector (Flat End)
					
H1A..	PCB Connector End Launch (Teflon Dielectric Coaxial End) 6.35mm Square Flange	H1B..	PCB Connector End Launch (Teflon Dielectric Flat End) 6.35mm Square Flange	H1C..	PCB Connector End Launch For Bulkhead (Teflon Dielectric Coaxial End) 6.35mm Square Flange
					
H1D..	PCB Connector End Launch For Bulkhead (Teflon Dielectric Flat End) 6.35mm Square Square Flange	H2A..	PCB Connector End Launch (Teflon Dielectric Coaxial End) 9.5mm x 7.9mm Square Flange	H2B..	PCB Connector End Launch (Teflon Dielectric Flat End) 9.5mm x 7.9mm Square Flange
					
H2C..	PCB Connector End Launch For Bulkhead (Teflon Dielectric Coaxial End) 9.5mm x 7.9mm Square Flange	H2D..	PCB Connector End Launch For Bulkhead (Teflon Dielectric Flat End) 9.5mm x 7.9mm Square Flange	H3A	PCB Connector End Launch (Air Dielectric Coaxial End) 6.35mm Square Flange
					

ROSNOL Definition Codes

Connector Patterns

H3B..	PCB Connector End Launch (Air Dielectric Flat End) 6.35mm Square Flange	H3C..	PCB Connector End Launch For Bulkhead (Air Dielectric Coaxial End) 6.35mm Square Flange	H3D..	PCB Connector End Launch For Bulkhead (Air Dielectric Flat End) 6.35mm Square Flange
					
H4A..	PCB Connector End Launch (Air Dielectric Coaxial End) 9.5mm x 7.9mm Square Flange	H4B..	PCB Connector End Launch (Air Dielectric Flat End) 9.5mm x 7.9mm Square Flange	H4C..	PCB Connector End Launch For Bulkhead (Air Dielectric Coaxial End) 9.5mm x 7.9mm Square Flange
					
H4D..	PCB Connector End Launch For Bulkhead (Air Dielectric Flat End) 9.5mm x 7.9mm Square Flange	I...	PCB Connector Through Holes	IA...	PCB Connector Through Holes For Bulkhead
					
J...	PCB Connector Edge Mount	L ...	PCB Compression Mount For Digital High Speed Eval Board	M...	PCB End Launch Transmission Block
					

Impedance

Code	Impedance	Code	Impedance
5	50 Ω	7	75 Ω

Configuration

Code	Angle	Code	Angle
0	Straight	5	45 Degree
9	Right Angle		

Connector Variation			
example 1470	SMA2GFA50-1470A/91 Connector Length 14.70 mm	example 1510	SMA2GFA50-1510A/91 Connector Length 15.10 mm
example 1470A-EC	SMA2GFA50-1470A-EC/91 Connector Length 14.70 mm EC=Epoxy Captivated	example 1510-EC	SMA2GFA50-1510A-EC/91 Connector Length 15.10 mm EC=Epoxy Captivated

PCB End Launch Connector Variation	
example 0100	SMA2H1B-0100A/91 End Launch Suitable PCB Thickness 1.00 mm
example 0173	SMA2H1B-0173A/91 End Launch Suitable PCB Thickness 1.73 mm

Cable Connector Suitable Cables			
Semi-Rigid and Semi-Form Cables			
Code	Cables	Code	Cables
0031	Semi-Rigid .031	0034	Semi-Rigid .031
0047	Semi-Rigid .047, Semi-Form .047	0085	Semi-Rigid .085, Semi-Form .085
0141	Semi-Rigid .141, Semi-Form .141	0250	Semi-Rigid .250, Semi-Form .250
Flexible Cables			
Code	Cables	Code	Cables
G058	RG 58, RG 141	G142	RG 142, RG 223, RG 400
G178	RG 178, RG 196		
LMR Cables			
Code	Cables	Code	Cables
R100	LMR-100A	R195	LMR-195
R200	LMR-200	R240	LMR-240
R400	LMR-400	R500	LMR-500
R600	LMR-600		

* LMR® is a registered trade mark of Times Microwave Systems

ROSNOL Definition Codes

Rosnol Standard Material and Plating Code Center Conductor / Outer Conductor / Coupling Nut

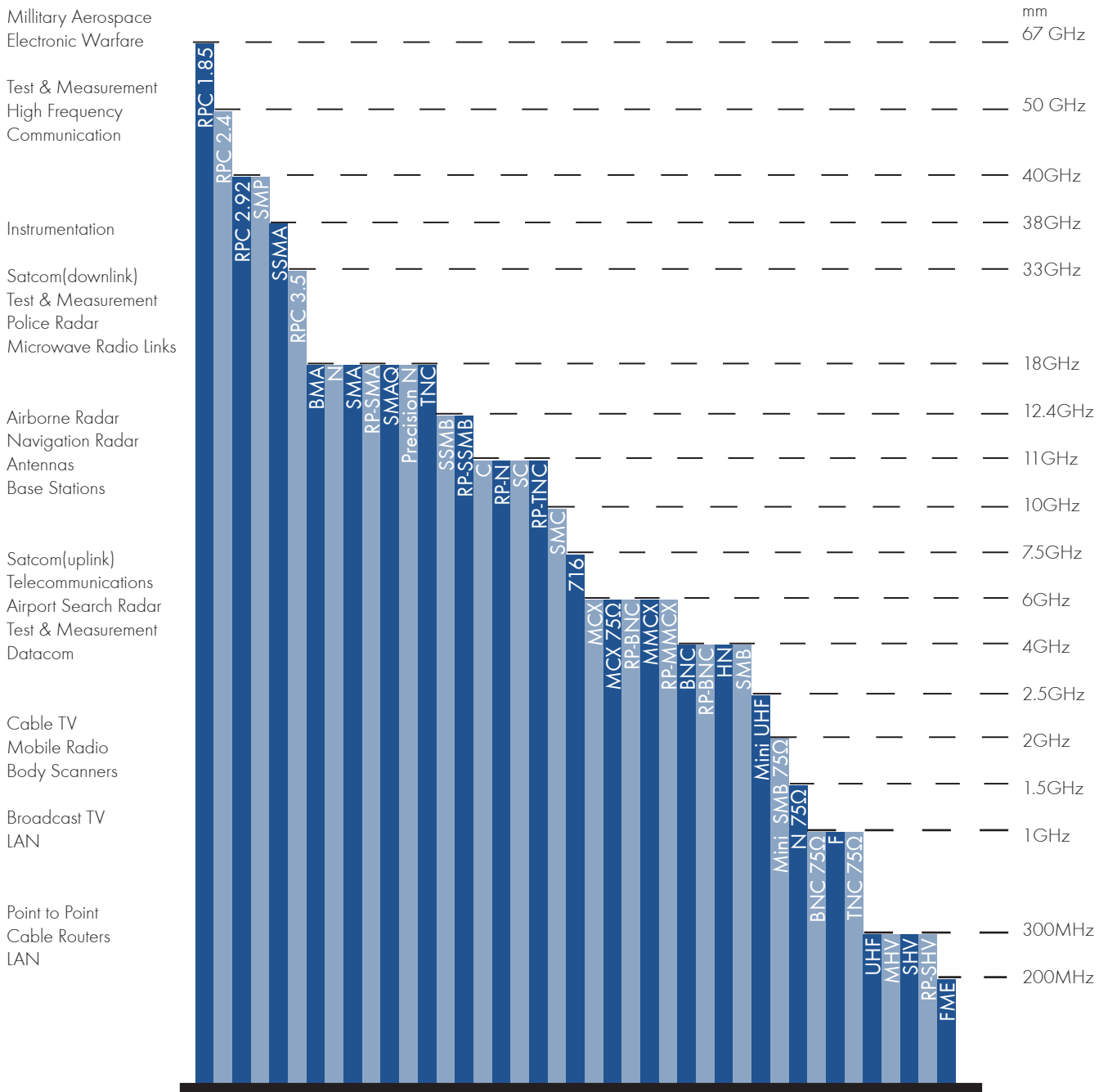
Code	Material	Plating
0	Brass	Silver
1	Brass	Gold plating, Nickel underplated Gold plating, Without Nickel underplated
3	Brass	Nickel
4	Brass	Copper-Tin-Zinc Alloy
5	Brass	Black Chromium
6	Brass	Tin
8	Beryllium Copper	Silver
9	Beryllium Copper	Gold plating, Nickel underplated Gold plating, Without Nickel underplated
G	Phosphor Bronze	Silver
H	Phosphor Bronze	Gold plating, Nickel underplated Gold plating, Without Nickel underplated
X	Stainless Steel	Passivated
Q	Stainless Steel	Gold plating , Nickel underplated Gold- Nickel-Phosphorus Alloy

Examples:

SMA¹⁾ 1²⁾ E³⁾ 5⁴⁾ 0⁵⁾ -0141⁶⁾ A⁷⁾ /1⁸⁾ 1⁹⁾ X¹⁰⁾

- 1) RF Connector Series
- 2) Connector Genders: **1 = Plug (Male)**
- 3) Connector Patterns: **E = Cable Solder**
- 4) Impedance: **5 = 50 Ω**
- 5) Configuration: **0 = Straight**
- 6) Cable Connector Suitable Cable: **0141 = .141" Cable**
- 7) A = Type Variation
- 8) Center Conductor Plating Code: **1 = Brass, Gold Plating**
- 9) Outer Conductor Plating Code: **1 = Brass, Gold Plating**
- 10) Coupling Nut Plating Code: **X = Stainless Steel, Passivated**

Frequency Range Chart



Cable Groups

Cable Group	Impedance	Cable Type
R01	50 Ω	Times LMR-195, LMR-200-LLPL; RG-58, 58A, 58C, 141, 141A/U; Andrew CNT-195, CNT-195-DB, CNT-195-FR; Belden 7806A, 8219, 8240, 8259, 8262, 9201, 9203, 9310, 9311; CommScope WBC-195, WBC-195R, 0268, TCOM-195, TCOM-195-FR; Harbour HPF195
R02	50 Ω	RG-55, 55A, 55B, 142, 142A, 142B, 223, 400/U; Alpha 9055, 9055B, 9223; Belden 7806A, 83242
R03	50 Ω	RG-178, 178A, 178B, 196, 196A/U; Belden 83265
R04	50 Ω	RG-58/U Plenum, RG-122/U; Alpha 9859, 9158S; Belden 82240, 82907, 88240, 89907
R05	50 Ω	Times AA-4478; RG-8/U, 8A, 213/U; Alpha 9008, 9213; Belden 8267, 9251, 9880, 89880; Intercomp 4082, 22132
R06	50 Ω	RG-9, 9A, 9B, 214/U; Alpha 9214; Belden 8242, 8268
R07	50 Ω	Belden 1426A, 1505A, 8212, 8241F, 9100, 9110, 9165, 9171, 9240, 9259, 9265, 9274, 9275, 9659, YR2393D; CommScope 5553, 5565, 5552, 5550, 5567, 5571
R08	50 Ω	Belden 8279, 8279A, 9209, 9209A, 82241, 88241; CommScope 2041K, 7573
R09	50 Ω	Belden 1164A, 1164B, 1167B, 1263A, 1406B, 1407B, 1417B, 1818B, 1865A, 8218; CommScope 7537, 753603, 753604, 753605; Raychem EPD 0810
R10	50 Ω	Times LMR-100A; RG-174, 188, 188A, 316/U; Alpha 9174, 9316; Belden 7805A, 8216, 83269, 83284, 84316; CommScope AMC-174, WBC-100
R11	50 Ω	RG 316/U Double Shield; RD-316; Belden 83269; Coleman 1596
R12	50 Ω	.047 Semi-Rigid; M17/151
R14	50 Ω	.085 Semi-Rigid; RG-405/U; Belden 1671A; RD-179
R16	50 Ω	.141 Semi-Rigid; RG-402/U; Belden 1673A
R17	50 Ω	.250 Semi-Rigid; RG-401/U
R18	50 Ω	Flexible Corrugated Cable 1/4"R
R19	50 Ω	Super Flexible Corrugated Cable 3/8"S
R20	50 Ω	Flexible Corrugated Cable 1/2"R
R21	50 Ω	Flexible Corrugated Cable 7/8"R
R22	50 Ω	Flexible Corrugated Cable 1 1/4"R
R23	50 Ω	Flexible Corrugated Cable 1 5/8"R
R24	50 Ω	Super Flexible Corrugated Cable 1/2"S
R25	50 Ω	Super Flexible Corrugated Cable 1/4"S
R26	50 Ω	Super Flexible Corrugated Cable 7/8"S
R27	50 Ω	CommScope 735, 73501, 73501P
R28	50 Ω	Times AA-3096; Antenna Specialist K214, Pro-Flex 800
R29	50 Ω	Belden 89913
R30	50 Ω	CommScope 734A, 734C, 734C1, 734C1P, 734D, 734S1
R31	50 Ω	Alpha 9807, 9808, 9813; Belden 8281, 9141, 9231, 88281; CommScope 2527K, 7501, 7503, 7505, 7506; Canare LV-775; Western Electric WE724, WE728, WE729
R32	50 Ω	RG-6/U Type Plenum; Belden 1695A, 82120, 82248, 87120, 89120, 89248; CommScope 2278, 2278V, 2279, 2279K, 2279V
R33	50 Ω	Alpha 9006A; Belden 8215; BICC General C5810; Carol/Columbia C5810; Coleman 8418, 988418, M17/2-RG6; CommScope 5710; Consolidated 4433; CZ Labs 3403P; Dearborn D4204; Hubert+Suhner G 05133 D, RG6 A/U; International Electric Wire & Cable Company 4002; Manhattan M4204; Times Microwave 17-05-92 QPL, 17-663-83, AA-3810, AA-7276, LSSB-RG-6, M17/180-00001, M18/2-RG6; Weico Wire W006A
R34	50 Ω	RG-59/U Type; Belden 1506A, 1825A, 1826A, 82108, 89108, 89259; CommScope 2045, 2045V, 2065V
R35	50 Ω	Times LMR-400-LLPL

Cable Groups

Cable Group	Impedance	Cable Type
R38	50 Ω	Times LMR-200, MSI-22; Alpha 9848; Belden 7807A; CommScope AMC-58II, WBC-200, WBC-200R, TCOM-200, TCOM-200-FR; Harbour HPF200
R39	50 Ω	Times LMR-240, LMR-240 UltraFlex; RG-8X; Andrew CNT-240, CNT-240AL, CNT-240ALS, CNT-240-DB, CNT-240-FR, CNT-240-W; Belden 9258; CommScope TCOM-240, TCOM-240-FR, WBC-240, WBC-240R; Harbour HPF240; Micro 8/U; Remee 1600; Saxton 8315
R40	50 Ω	Times LMR-300; Andrew CNT-300, CNT-300AL, CNT-300-DB, CNT-300-FR; Belden 7809; CommScope TCOM-300, TCOM-300-FR, WBC-300
R41	50 Ω	Times AA-5886, AA-6146, LMR-400, LMR-400 UltraFlex; Andrew CNT-400, CNT-400AL, CNT-400-DB, CNT-400-FR, CNT-400-FRP; Belden 7810A, 8214, 9913; CommScope TCOM-400, TCOM-400-FR, TCOM-400-PUR, WBC-400, WBC-400R, Cushcraft Ultralink TL93605; Harbour HPF400
R42	50 Ω	Times LMR-600, LMR-600 UltraFlex; Andrew CNT-600, CNT-600-DB, CNT-600-FR; CommScope TCOM-600, TCOM-600-FR, TCOM-600-PUR, WBC-600, WBC-600R
R43	50 Ω	Times LMR-500, LMR-500 UltraFlex; CommScope TCOM-500, TCOM-500-FR, WBC-500, WBC-500R
R44	75 Ω	RG-6/U Type; Belden 1694A, 9248; CommScope 5715, 5729, 5765
R45	75 Ω	RG-11/U Type; Belden 8213, 8238, 8261, 9011, 9292; CommScope 3247, 5901, 5903, 5908, 5909, 5916, 5916R, 5918
R46	75 Ω	RG-59, 59A, 59B, 62, 62A, 62C/U; Alpha 9059, 9062, 9830, 9840, 9845; Belden 8221, 8241, 9169, 9204, 9228; Canare LV-61S; CommScope 5550, 5555, 5560, 5563
R47	75 Ω	RG-161, 179, 179A, 187, 187A/U; Belden 1520A, 1521A, 1522A, 9221; CommScope 15-55340
R48	75 Ω	RG-179/U Double Shield

Packaging

Definition of the most commonly used product packaging. All of Rosnol's packaging has to fulfill the following features:

- Economic and useful recycling after use.
- Protection of your RF products against mechanical stress, oxidation, and dust during delivery and storage.
- Easy handling for production and/or storage.
- Clear identification and description of the products

Box Packaging

Cartons of various sizes.
Most are provided with additional internal packing materials.
For example: partition walls and/or foam inlays.



Standard single and bulk packaging

Plastic bags in various sizes



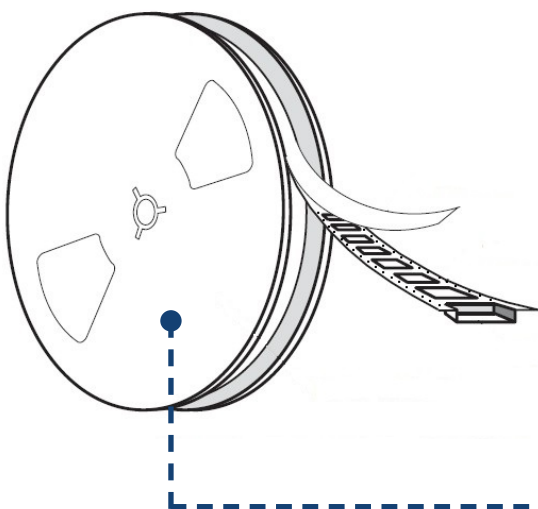
Blister with cover packaging

2 pieces of plastic blister packaging with transparent cover in several heights and for various numbers of pieces.



Tape & reel packaging

Carrier tapes on rolls in various variants for automatic machine mounting and the protection of connectors during transportation and processing. For example for automatic PCB assembling processes with connectors. The packing machine provides perfect packaging quality.



Additional Notes

This image shows a single page from a notebook or ledger. It features a series of evenly spaced, thin grey horizontal lines running across the width of the page. The background is plain white, and there are no margins, text, or other markings present.

Additional Notes

[illegible]

SMA



The SMA series is a very popular coax connector with screw coupling, and can be used frequency up to 18 GHz and extended to 26.5 GHz (depending on type).

The impedance is controlled at 50 Ω .

Connector styles are available for flexible, conformable and semi-rigid cable types. Versions of the SMA connector are available for mounting to printed circuit boards using both through-hole soldered and through-hole press-fit techniques, as well as surface mount types (SMD).

Solder, crimp and clamp techniques are used to terminate this series to cables.

There is a huge variety of applications for ROSNOL SMA connectors, as in telecommunication and mobile communication, satellite, test & measurement equipment and instruments, etc.

Mating face sealing for SMA connectors between plug (male) and jack (female) mated according to IP 68. This classification is a general statement for the relevant series. Individual connectors may deviate from the values shown.

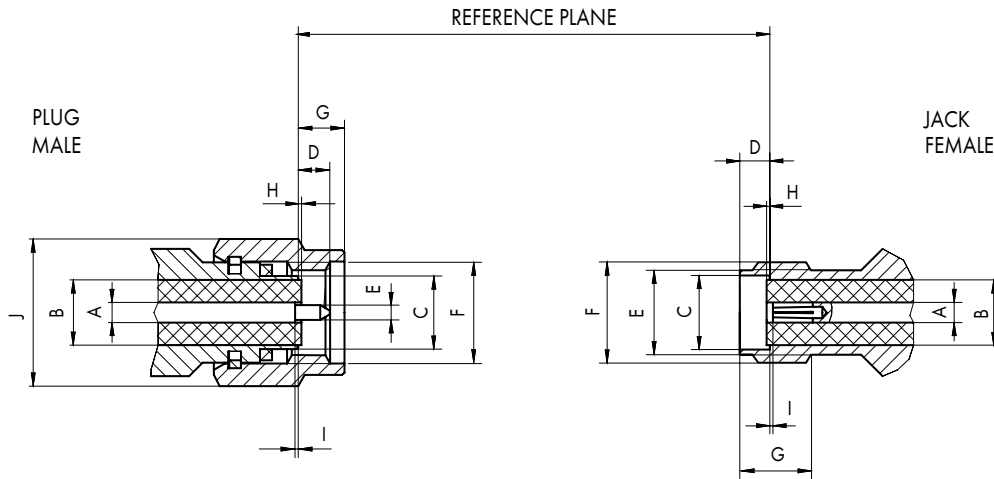
If in doubt, please consult our sales engineers.

■ Features

- Interface according to MIL-STD-348B/310, IEC 60169-15
- Impedance 50 Ω
- Frequency range up to 18 GHz
- Extended frequency version up to 26.5 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling

■ Applications

- Aerospace
- Base Stations
- Cable Assemblies
- Instrumentation
- Process Controls
- Telecommunications



	Plug I Male		Jack I Female	
dimension in mm/ inch	min.	max.	min.	max.
A	Ø 1.245/ .049	Ø 1.295/ .050	Ø 1.245/ .049	Ø 1.295/ .050
B	-	Ø 4.178/ .164	-	Ø 4.178/ .164
C	-	Ø 4.59/ .180	Ø 4.60/ .181	Ø 4.67/ .183
D	-	2.54/ .100	1.88/ .074	1.98/ .077
E	Ø 0.902/ .035	Ø 0.940/ .037	Ø 5.28/ .207	Ø 5.49/ .216
F	1/4-36UNS-2B		1/4-36UNS-2A	
G	-	3.43/ .135	4.32/ .170	-
H	-0.18/ -.007	+0.05/ +.002	-0.18/ -.007	+0.05/ +.002
I	0.00/ .000	-	0.00/ .000	0.41/ .016
J	Hex.8			

-Features

Interface according to MIL-STD-348B/310, IEC 60169-15

Frequency range up to 18 GHz, extended frequency version up to 26.5 GHz

Excellent VSWR (Return Loss)

Mechanically compatible with RPC2.92 and RPC3.5

-Product Range

Cable connectors

Bulkhead connectors

Panel connectors (coaxial, solder, semicircular and flat end types)

PCB connectors (SMD, coaxial, solder, semicircular, flat, through hole versions, end launch versions, edge mount, compression mount versions)

Hermetically sealed versions

Adaptors

Terminations

Tools and Accessories

Further connectors available on request.

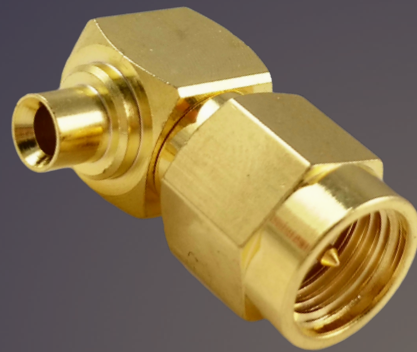
Applicable standards	
Interface according to	MIL-PRF-39012, MIL-STD-348B/310, IEC 60169-15
Electrical data	
Impedance	50 Ω
Frequency range	DC to 18 GHz Extended frequency version up to 26.5 GHz
VSWR / Return loss (cable connector straight)	≤ 1.2 / ≥ 20.8 dB
Insertion loss	$\leq 0.04 \times \sqrt{f}$ (GHz) dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 3 m Ω
Outer contact resistance	≤ 2 m Ω
Test voltage	1000 V rms
Working voltage	480 V rms
Power handling	200 W @ 2 GHz
RF-leakage- Interface	≥ 100 dB @ DC to 1 GHz
Mechanical data	
Mating cycles	Beryllium Copper / Stainless Steel: ≥ 500 Brass: ≥ 100
Coupling nut retention	Stainless Steel: ≥ 270 N ; Brass: ≥ 180 N
Center contact captivation	Beryllium Copper / Stainless Steel: axial: ≥ 27 N, radial: ≥ 3 Ncm Brass: axial: ≥ 20 N, radial: ≥ 1 Ncm
Coupling test torque	Beryllium Copper / Stainless Steel: ≤ 1.7 Nm Brass: ≤ 0.6 Nm
Coupling torque recommended	Beryllium Copper / Stainless Steel: 0.8 Nm to 1.1 Nm ; Brass: ≤ 0.5 Nm
Environmental data	
Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper, Gold plating
Center contact	Pin: Brass, Gold plating or Beryllium Copper, Gold plating Socket: Beryllium Copper, Gold plating
Outer contact	Stainless Steel, Passivated / Gold plating Brass, Gold / Copper-Tin-Zinc alloy plating
Body	Stainless Steel, Passivated / Gold plating Brass, Gold / Copper-Tin-Zinc alloy plating
Coupling nut	Stainless Steel, Passivated / Gold plating Brass, Gold / Copper-Tin-Zinc alloy plating
Crimping ferrule	Soft copper, Copper-Tin-Zinc alloy / Gold plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

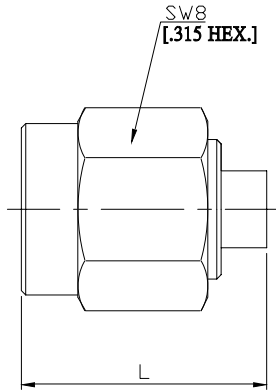
Cable Connectors



Straight Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

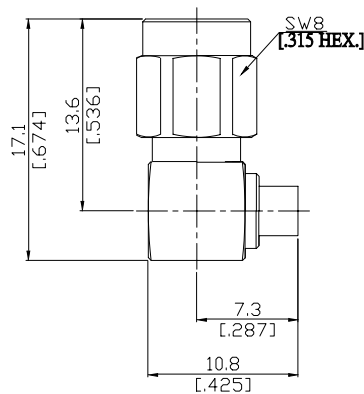


Cable Group	P/N	L
R12	SMA1E50-0047A/111	11.3
R12	SMA1E50-0047A/11X	11.3
R14	SMA1E50-0085A/111	11.3
R14	SMA1E50-0085A/11X	11.3
R16	SMA1E50-0141A/111	11.3
R16	SMA1E50-0141A/11X	11.3
R16	SMA1E50-0141B/-11	9.2
R16	SMA1E50-0141B/-1X	9.2

Right Angle Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

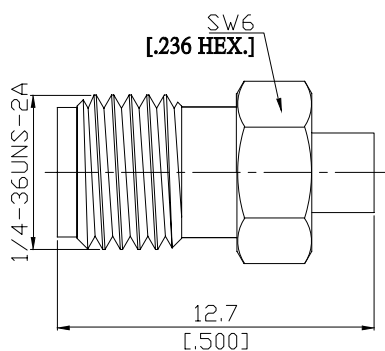


Cable Group	P/N
R12	SMA1E59-0047A/111
R12	SMA1E59-0047A/11X
R14	SMA1E59-0085A/111
R14	SMA1E59-0085A/11X
R16	SMA1E59-0141A/111
R16	SMA1E59-0141A/11X

Straight Cable Jack

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered



Cable Group	P/N
R12	SMA2E50-0047A/91
R14	SMA2E50-0085A/91
R16	SMA2E50-0141A/91

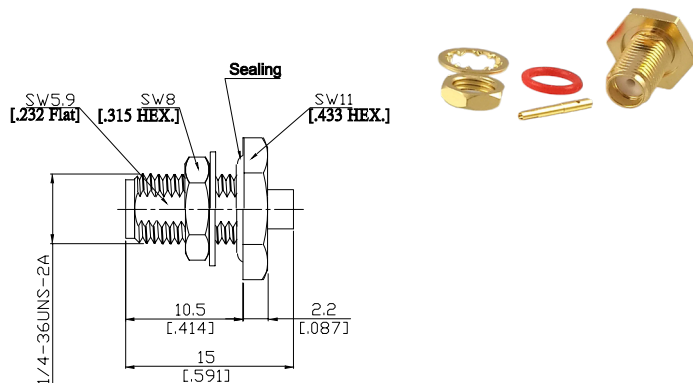
SMA Series - Cable Connectors

SMA

Straight Bulkhead Cable Jack

Semi-Rigid Cable

Cable Entry: Soldered



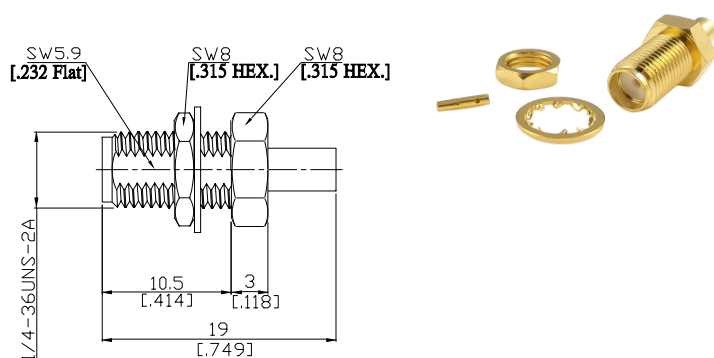
Cable Group	P/N	Mounting Dimension
R12	SMA2EA50-0047A/91	MD19
R14	SMA2EA50-0085A/91	MD19
R14	SMA2EA50-EF405A/91 ¹⁾	MD19
R16	SMA2EA50-0141A/91	MD19
R16	SMA2EA50-EF402A/91 ¹⁾	MD19

1) Centre contact plug-in (solderless)

Straight Bulkhead Cable Jack

Semi-Rigid Cable

Cable Entry: Soldered



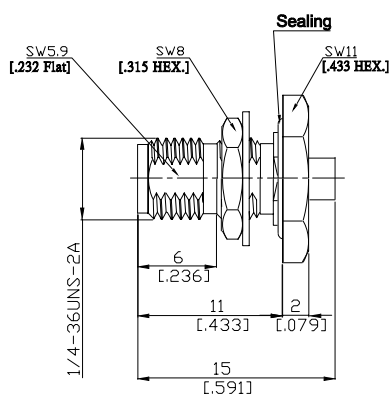
Cable Group	P/N	Mounting Dimension
R12	SMA2EA50-0047B/91	MD19
R14	SMA2EA50-0085B/91	MD19
R14	SMA2EA50-EF405B/91 ¹⁾	MD19
R16	SMA2EA50-0141B/91	MD19
R16	SMA2EA50-EF402B/91 ¹⁾	MD19

1) Centre contact plug-in (solderless)

Straight Bulkhead Cable Jack

Semi-Rigid Cable

Cable Entry: Soldered



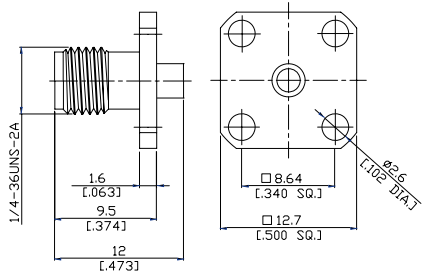
Cable Group	P/N	Mounting Dimension
R12	SMA2EA50-0047C/91	MD20
R14	SMA2EA50-0085C/91	MD20
R14	SMA2EA50-EF405C/91 ¹⁾	MD20
R16	SMA2EA50-0141C/91	MD20
R16	SMA2EA50-EF405C/91 ¹⁾	MD20

1) Centre contact plug-in (solderless)

Straight Panel Cable Jack , 4 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

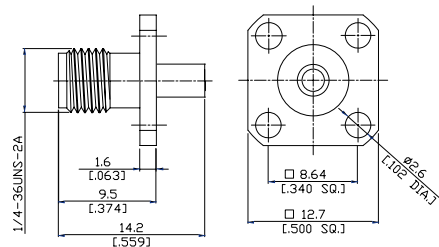


Cable Group	P/N	Mounting Dimension
R12	SMA2EBF50-0047A/91	MD10
R14	SMA2EBF50-0085A/91	MD10
R16	SMA2EBF50-0141A/91	MD10

Straight Panel Cable Jack , 4 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

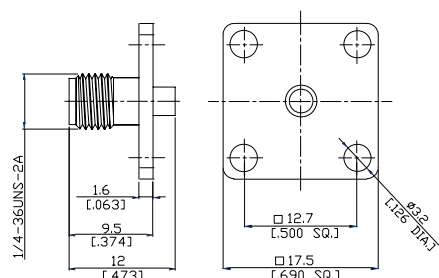


Cable Group	P/N	Mounting Dimension
R12	SMA2EBF50-0047B/91	MD10
R14	SMA2EBF50-0085B/91	MD10
R16	SMA2EBF50-0141B/91	MD10

Straight Panel Cable Jack , 4 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered



Cable Group	P/N	Mounting Dimension
R12	SMA2EBF50-0047C/91	MD117
R14	SMA2EBF50-0085C/91	MD117
R16	SMA2EBF50-0141C/91	MD117

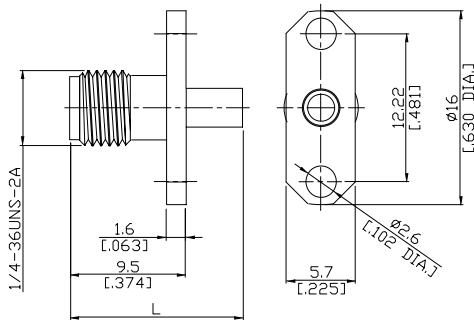
SMA Series - Cable Connectors

SMA

Straight Panel Cable Jack , 2 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

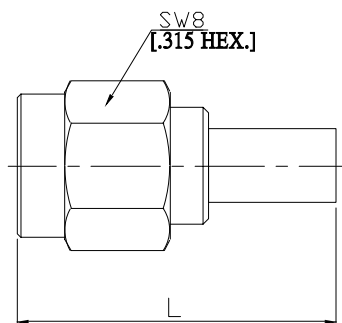


Cable Group	P/N	L	Mounting Dimension
R12	SMA2EBT50-0047A/91	12	MD13
R12	SMA2EBT50-0047B/91	14.2	MD13
R14	SMA2EBT50-0085A/91	12	MD13
R14	SMA2EBT50-0085B/91	14.2	MD13
R16	SMA2EBT50-0141A/91	12	MD13
R16	SMA2EBT50-0141B/91	14.2	MD13

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

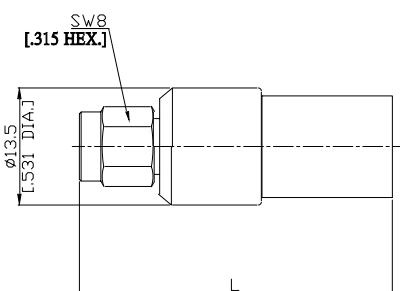


Cable Group	P/N	Crimp Insert	L
R01	SMA1C50-G058A/11X	CI-G58A	23.25
R01	SMA1C50-G058A/111	CI-G58A	23.25
R02	SMA1C50-G142A/11X	CI-G58A	23.25
R02	SMA1C50-G142A/111	CI-G58A	23.25
R03	SMA1C50-G178A/111	CI-G316A	18.1
R10	SMA1C50-G316A/11X	CI-G316A	17.5
R10	SMA1C50-G316A/111	CI-G316A	17.5
R11	SMA1C50-D316A/111	CI-G316A	17.7

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

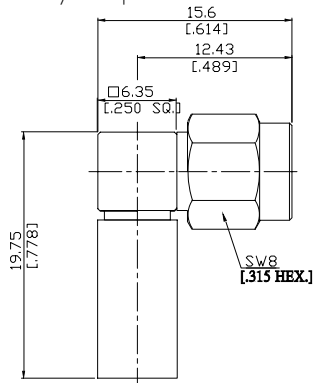


Cable Group	P/N	Crimp Insert	L
R05	SMA1C50-G213A/133	CI-G214A	36
R05	SMA1C50-G213A/144	CI-G214A	36
R06	SMA1C50-G214A/133	CI-G214A	36.45

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

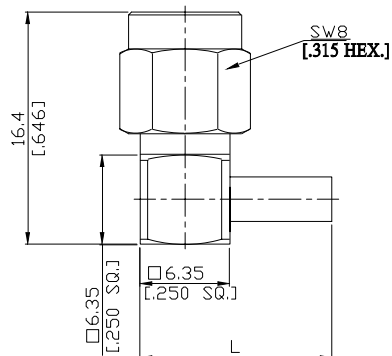


Cable Group	P/N	Crimp Insert	L
R01	SMA1C59-G058A/11X	CI-G58A	19.75
R01	SMA1C59-G058A/111	CI-G58A	19.75
R02	SMA1C59-G142A/11X	CI-G58A	19.75
R02	SMA1C59-G142A/111	CI-G58A	19.75

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

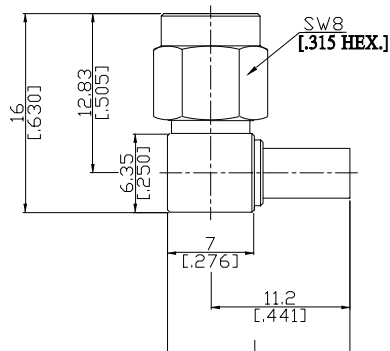


Cable Group	P/N	Crimp Insert	L
R03	SMA1C59-G178A/11X	CI-G316A	15.08
R03	SMA1C59-G178A/111	CI-G316A	15.08

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp



Cable Group	P/N	Crimp Insert	L
R10	SMA1C59-G316A/11X	CI-G316A	14.7
R10	SMA1C59-G316A/111	CI-G316A	14.7
R11	SMA1C59-D316A/11X	CI-G316A	14.9
R11	SMA1C59-D316A/111	CI-G316A	14.9

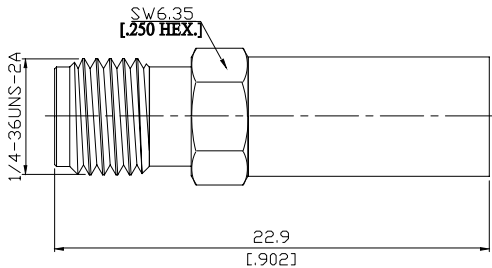
SMA Series - Cable Connectors

SMA

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

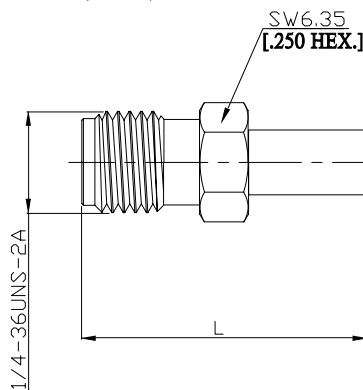


Cable Group	P/N	Crimp Insert
R01	SMA2C50-G058A/9X	CI-G58A
R01	SMA2C50-G058A/9I	CI-G58A
R02	SMA2C50-G142A/9X	CI-G58A
R02	SMA2C50-G142A/9I	CI-G58A

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

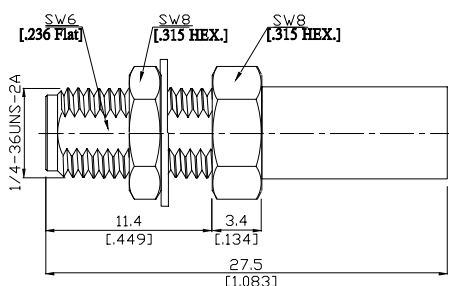


Cable Group	P/N	Crimp Insert	L
R10	SMA2C50-G316A/9X	CI-G316A	17.2
R10	SMA2C50-G316A/9I	CI-G316A	17.2
R11	SMA2C50-D316A/9X	CI-G316A	17.4
R11	SMA2C50-D316A/9I	CI-G316A	17.4

Straight Bulkhead Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

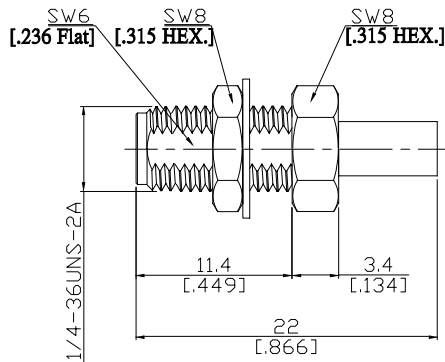


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	SMA2CA50-G058A/9X	CI-G58A	MD19
R01	SMA2CA50-G058A/9I	CI-G58A	MD19
R02	SMA2CA50-G142A/9X	CI-G58A	MD19
R02	SMA2CA50-G142A/9I	CI-G58A	MD19

Straight Bulkhead Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

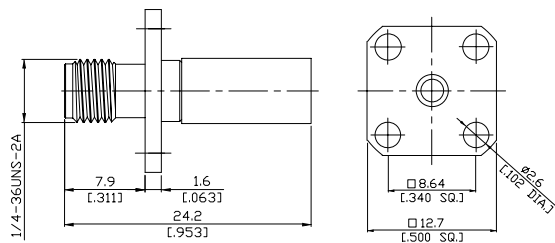


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	SMA2CA50-G316A/9X	CI-G316A	MD19
R10	SMA2CA50-G316A/9L	CI-G316A	MD19

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

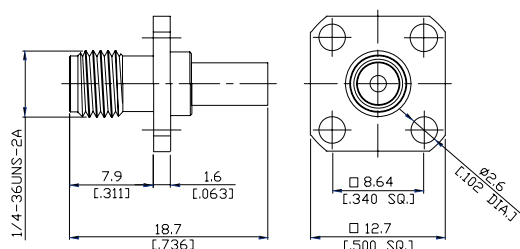


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	SMA2CBF50-G058A/91	CI-G58A	MD10
R02	SMA2CBF50-G142A/91	CI-G58A	MD10

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp



Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	SMA2CBF50-G316A/9L	CI-G316A	MD10
R11	SMA2CBF50-D316A/91	CI-G316A	MD10

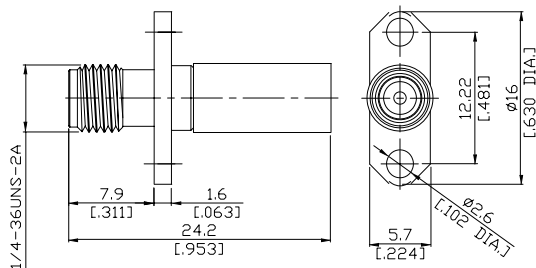
SMA Series - Cable Connectors

SMA

Straight Panel Cable Jack, 2 Hole Flange

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

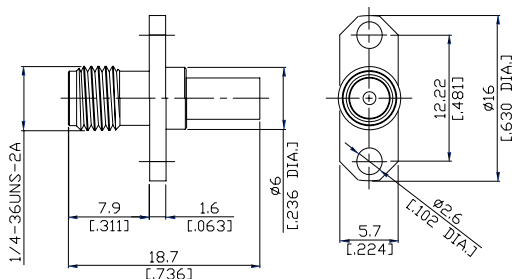


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	SMA2CBT50-G058A/91	CI-G58A	MD13
R02	SMA2CBT50-G142A/91	CI-G58A	MD13

Straight Panel Cable Jack, 2 Hole Flange

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

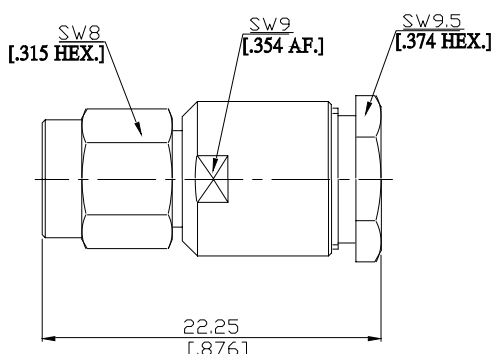


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	SMA2CBT50-G316A/91	CI-G316A	MD13
R11	SMA2CBT50-D316A/91	CI-G316A	MD13

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

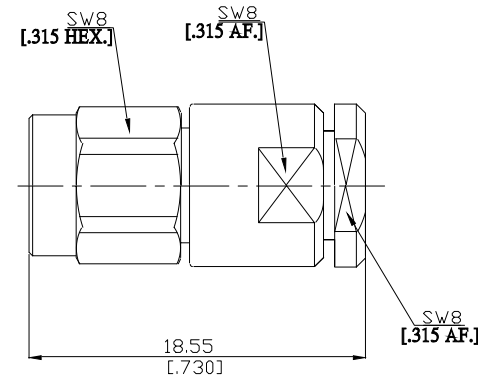


Cable Group	P/N
R02	SMA1D50-G142A/111

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

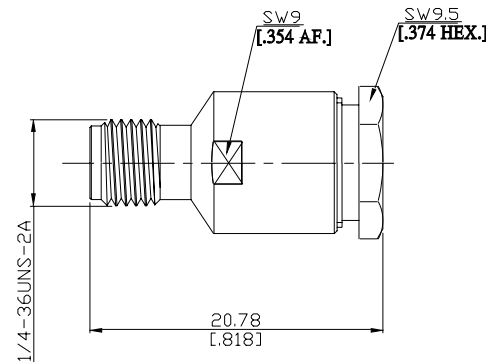


Cable Group	P/N
R02	SMA1D50-G316A/111

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

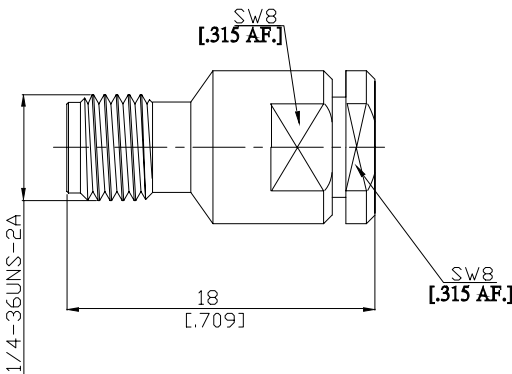


Cable Group	P/N
R02	SMA2D50-G142A/91

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp



Cable Group	P/N
R02	SMA2D50-G316A/91

SMA Series - Cable Connectors

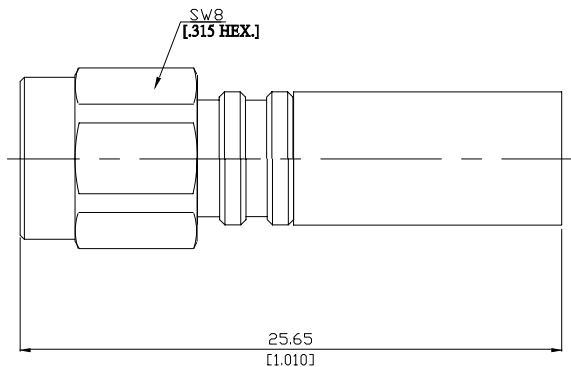
SMA

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



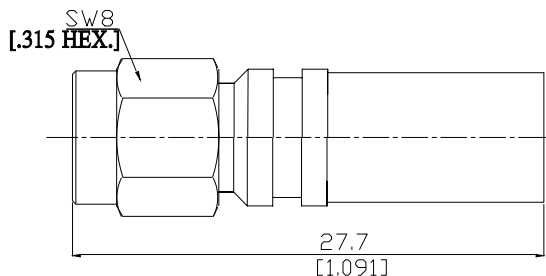
Cable Group	P/N	Crimp Insert
R38	SMA1C50-R200A/9XX	CI-G58A
R38	SMA1C50-R200A/944	CI-G58A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



Cable Group	P/N	Crimp Insert
R39	SMA1C50-R240A/111	CI-G59A

Bulkhead Connectors

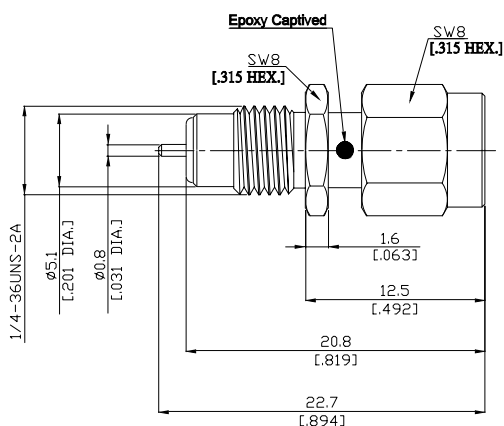


SMA Series - Bulkhead Connectors

SMA

Straight Bulkhead Receptacle Plug

Coaxial End

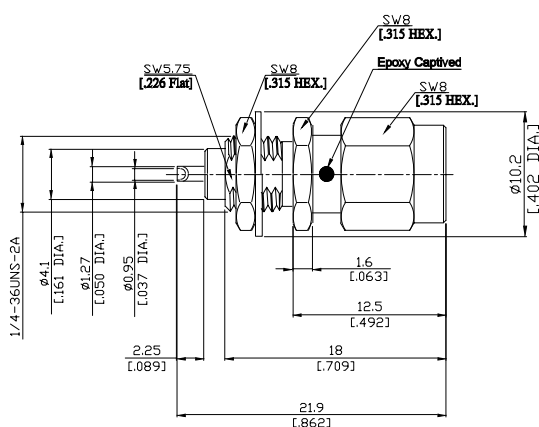


P/N	Mounting Dimension
SMA1FA50-2270A/111¹⁾	MD56
SMA1FA50-2270A-EC/111	MD56

1) Without epoxy captured version

Straight Bulkhead Receptacle Plug

Solder End

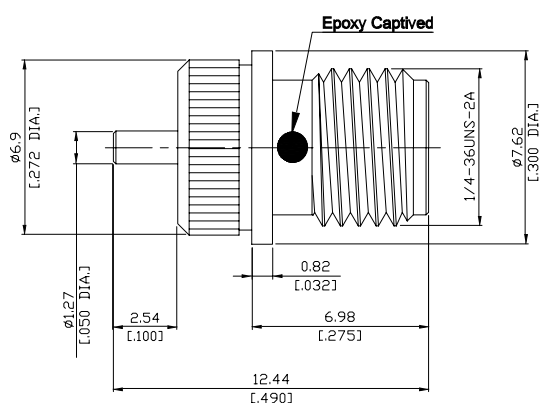


P/N	Mounting Dimension
SMA1FB50-2190A/111¹⁾	MD19
SMA1FB50-2190A-EC/111	MD19

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Coaxial End

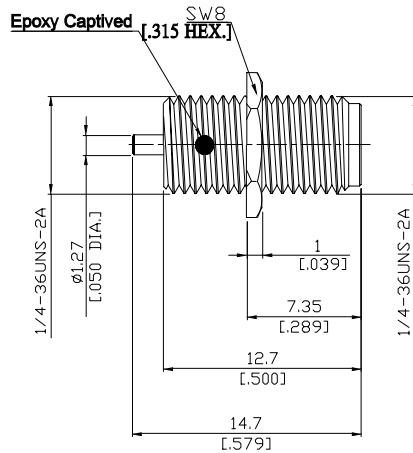


P/N	Mounting Dimension
SMA2FA50-1244A/9Q¹⁾	MD53
SMA2FA50-1244A-EC/9Q	MD53

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Coaxial End

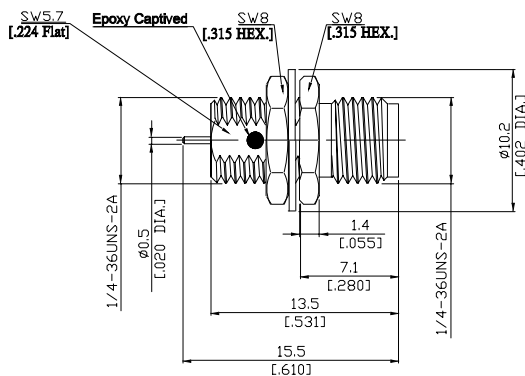


P/N	Mounting Dimension
SMA2FA50-1470A/91¹⁾	MD28
SMA2FA50-1470A-EC/91	MD28

1) Without epoxy captivated version

Straight Bulkhead Receptacle Jack

Coaxial End

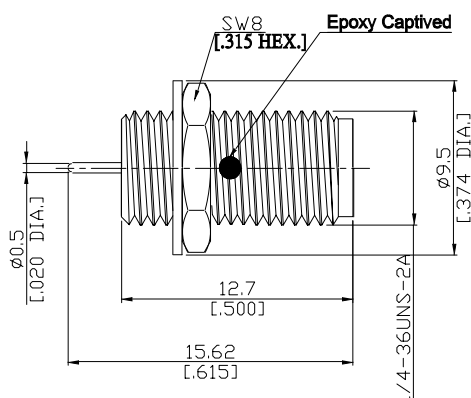


P/N	Mounting Dimension
SMA2FA50-1550A/91¹⁾	MD19
SMA2FA50-1550A-EC/91	MD19

1) Without epoxy captivated version

Straight Bulkhead Receptacle Jack

Coaxial End

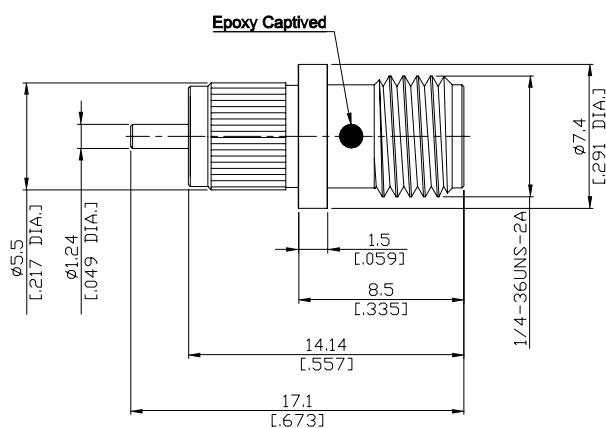


P/N	Mounting Dimension
SMA2FA50-1562A/9X¹⁾	MD28
SMA2FA50-1562A-EC/9X	MD28

1) Without epoxy captivated version

Straight Bulkhead Receptacle Jack

Coaxial End

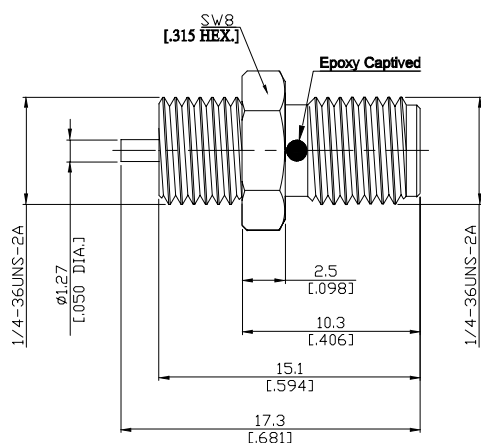


P/N	Mounting Dimension
SMA2FA50-1710A/91¹⁾	MD54
SMA2FA50-1710A-EC/91	MD54

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Coaxial End

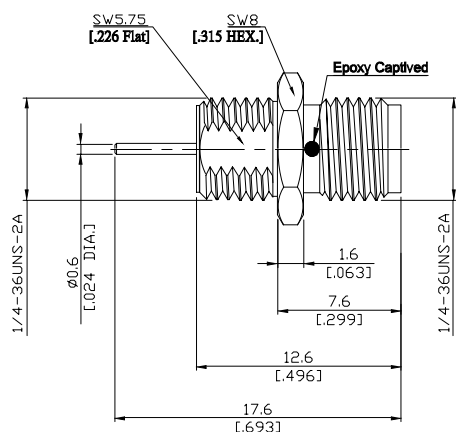


P/N	Mounting Dimension
SMA2FA50-1730A/H1¹⁾	MD28
SMA2FA50-1730A-EC/H1	MD28
SMA2FA50-1730A/HX¹⁾	MD28
SMA2FA50-1730A-EC/HX	MD28

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Coaxial End

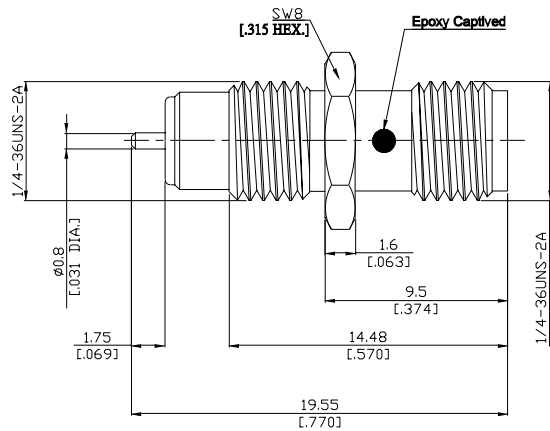


P/N	Mounting Dimension
SMA2FA50-1760A/91¹⁾	MD55
SMA2FA50-1760A-EC/91	MD55

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Coaxial End

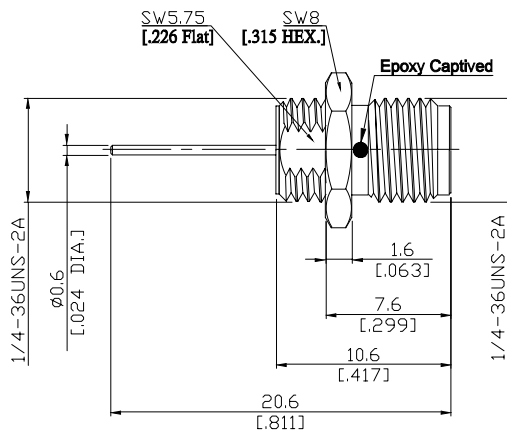


P/N	Mounting Dimension
SMA2FA50-1955A/91¹⁾	MD56
SMA2FA50-1955A-EC/91	MD56

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Coaxial End

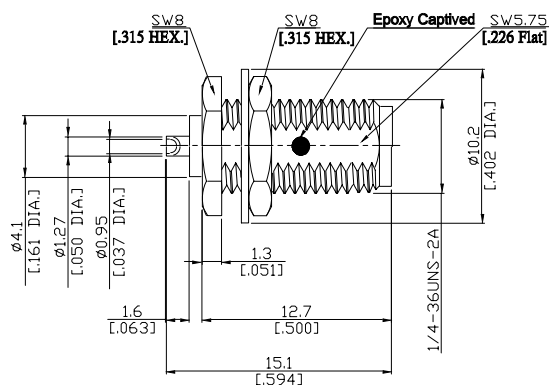


P/N	Mounting Dimension
SMA2FA50-2060A/91¹⁾	MD57
SMA2FA50-2060A-EC/91	MD57

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Solder End

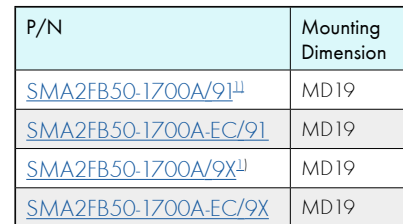


P/N	Mounting Dimension
SMA2FB50-1510A/91¹⁾	MD19
SMA2FB50-1510A-EC/91	MD19
SMA2FB50-1510A/9X¹⁾	MD19
SMA2FB50-1510A-EC/9X	MD19

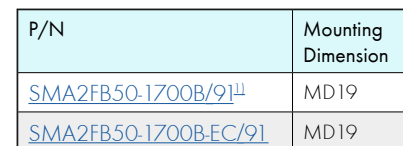
1) Without epoxy captured version

SMA

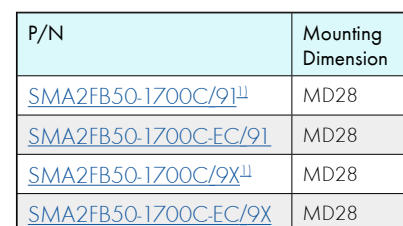
Solder End



Solder End



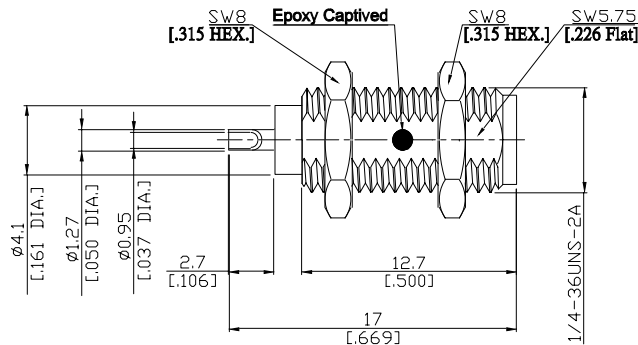
Solder End



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Straight Bulkhead Receptacle Jack

Solder End

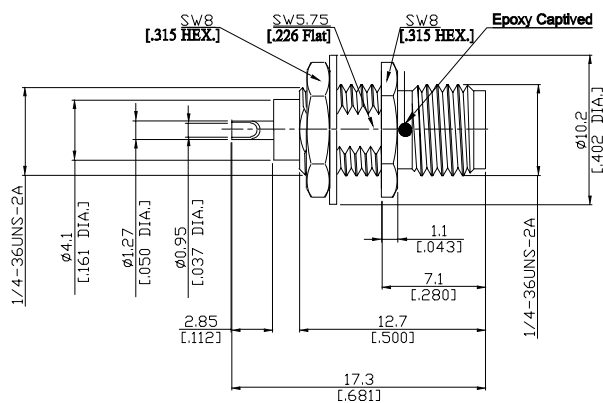


P/N	Mounting Dimension
SMA2FB50-1700D-91¹⁾	MD19
SMA2FB50-1700D-EC-91	MD19

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

Solder End

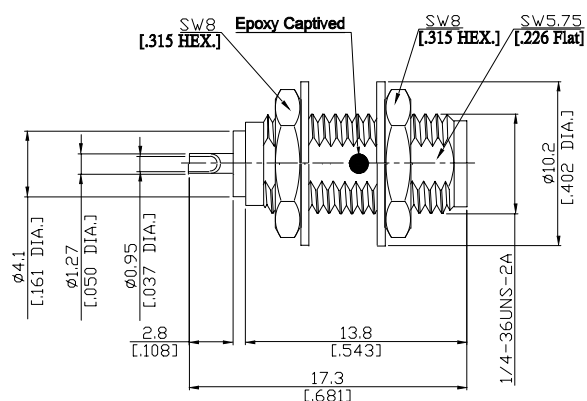


P/N	Mounting Dimension
SMA2FB50-1730A-91¹⁾	MD19
SMA2FB50-1730A-EC-91	MD19

1) Without epoxy captured version

Straight Bulkhead Receptacle Jack

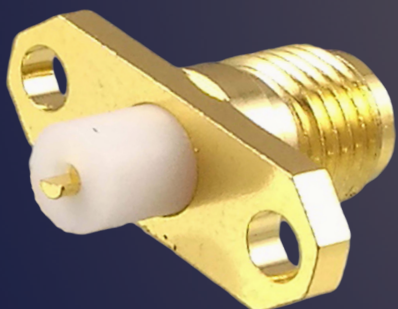
Solder End



P/N	Mounting Dimension
SMA2FB50-1730B-91¹⁾	MD19
SMA2FB50-1730B-EC-91	MD19

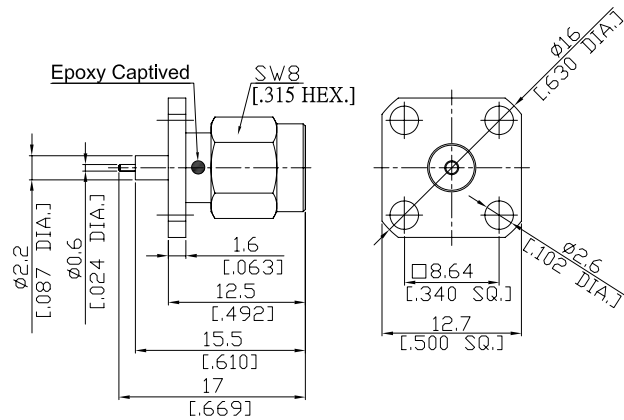
1) Without epoxy captured version

Panel Connectors



Straight Panel Receptacle Plug, 4 Hole Flange

Coaxial End

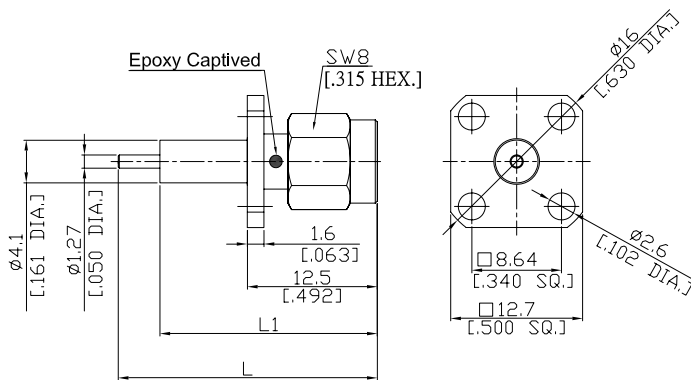


P/N	Mounting Dimension
SMA1GFA50-1700A/1XX11	MD78
SMA1GFA50-1700A/11111	MD78
SMA1GFA50-1700A-EC/1XX	MD78
SMA1GFA50-1700A-EC/111	MD78

1) Without epoxy captived version

Straight Panel Receptacle Plug, 4 Hole Flange

Coaxial End

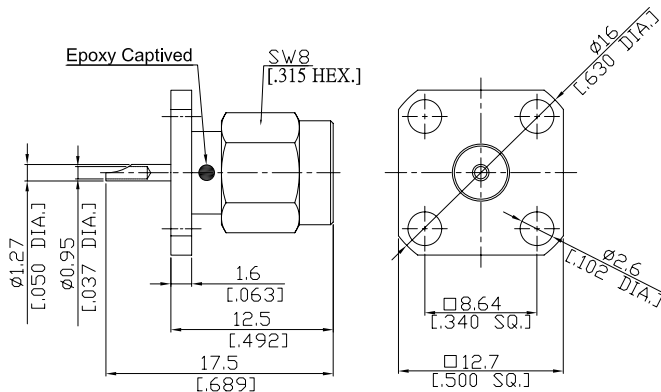


P/N	L	L1	Mounting Dimension
SMA1GFA50-2490A/1XX11	24.9	20.9	MD71
SMA1GFA50-2490A/11111	24.9	20.9	MD71
SMA1GFA50-3050A/1XX11	30.5	27.5	MD71
SMA1GFA50-3050A/11111	30.5	27.5	MD71
SMA1GFA50-2490A-EC/1XX	24.9	20.9	MD71
SMA1GFA50-2490A-EC/111	24.9	20.9	MD71
SMA1GFA50-3050A-EC/1XX	30.5	27.5	MD71
SMA1GFA50-3050A-EC/111	30.5	27.5	MD71

1) Without epoxy captived version

Straight Panel Receptacle Plug, 4 Hole Flange

Solder End



P/N	Mounting Dimension
SMA1GFB50-1750A/1XX11	MD71
SMA1GFB50-1750A/11111	MD71
SMA1GFB50-1750A-EC/1XX	MD71
SMA1GFB50-1750A-EC/111	MD71

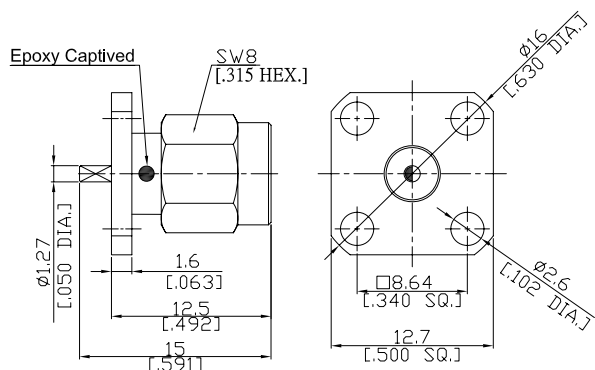
1) Without epoxy captived version

SMA Series - Panel Connectors

SMA

Straight Panel Receptacle Plug, 4 Hole Flange

Semicircular End

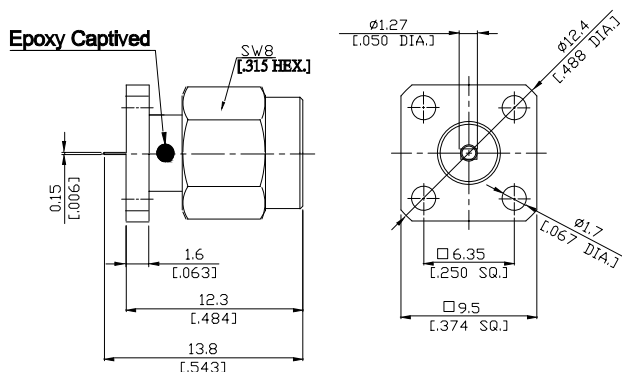


P/N	Mounting Dimension
SMA1GFC50-1500A/1XX¹⁾	MD71
SMA1GFC50-1500A/111¹⁾	MD71
SMA1GFC50-1500A-EC/1XX	MD71
SMA1GFC50-1500A-EC/111	MD71

1) Without epoxy captived version

Straight Panel Receptacle Plug, 4 Hole Flange

Flat End

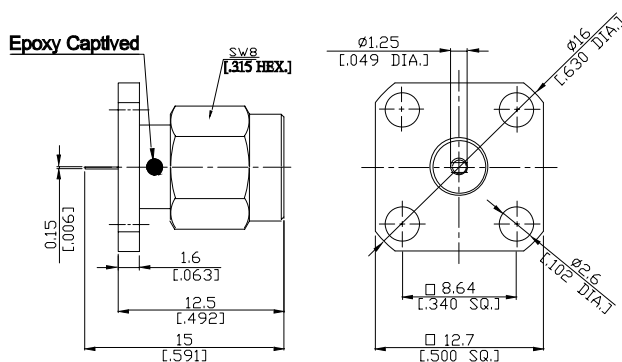


P/N	Mounting Dimension
SMA1GFD50-1380A/9XX¹⁾	MD118
SMA1GFD50-1380A-EC/9XX	MD118

1) Without epoxy captived version

Straight Panel Receptacle Plug, 4 Hole Flange

Flat End

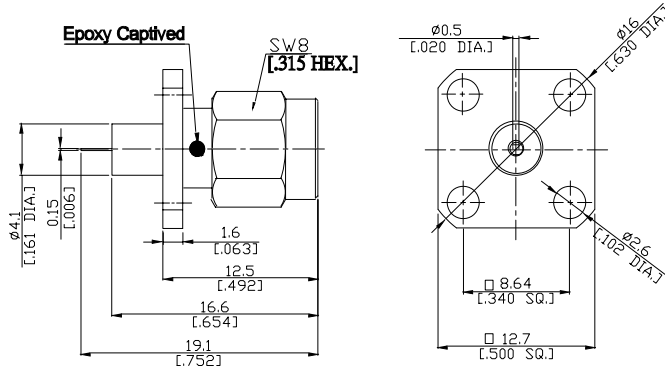


P/N	Mounting Dimension
SMA1GFD50-1500A/1XX¹⁾	MD71
SMA1GFD50-1500A/111¹⁾	MD71
SMA1GFD50-1500A-EC/1XX	MD71
SMA1GFD50-1500A-EC/111	MD71

1) Without epoxy captived version

Straight Panel Receptacle Plug, 4 Hole Flange

Flat End

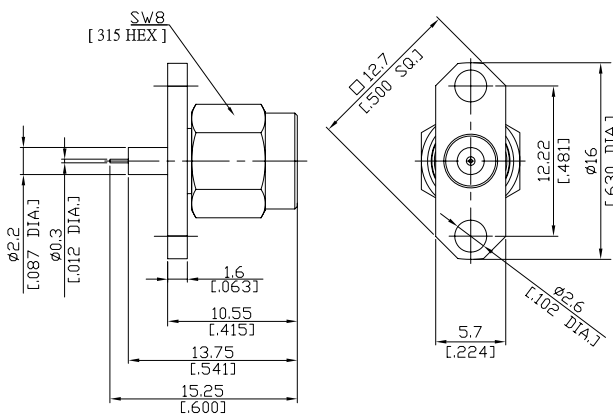


P/N	Mounting Dimension
SMA1GFD50-1910A/1XX¹⁾	MD71
SMA1GFD50-1910A/111¹⁾	MD71
SMA1GFD50-1910A-EC/1XX	MD71
SMA1GFD50-1910A-EC/111	MD71

1) Without epoxy captured version

Straight Panel Receptacle Plug, 2 Hole Flange

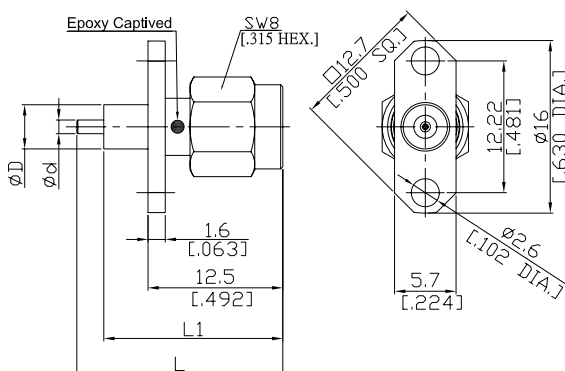
Coaxial End



P/N	Mounting Dimension
SMA1GTA50-1525A/1XX	MD76
SMA1GTA50-1525A/111	MD76

Straight Panel Receptacle Plug, 2 Hole Flange

Coaxial End



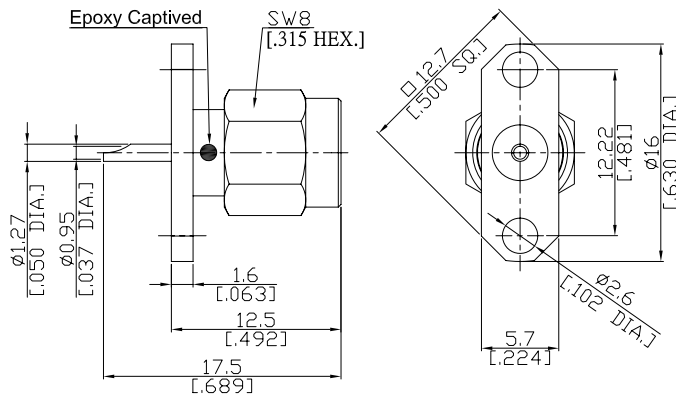
P/N	L	L1	D	d	Mounting Dimension
SMA1GTA50-1700A-EC/1XX	17	15.5	2.2	0.6	MD76
SMA1GTA50-1700A-EC/111	17	15.5	2.2	0.6	MD76
SMA1GTA50-1910A-EC/1XX	19.1	16.6	4.1	1.27	MD75
SMA1GTA50-1910A-EC/111	19.1	16.6	4.1	1.27	MD75
SMA1GTA50-2490A-EC/1XX	24.9	20.9	4.1	1.27	MD75
SMA1GTA50-2490A-EC/111	24.9	20.9	4.1	1.27	MD75
SMA1GTA50-3050A-EC/1XX	30.5	27.5	4.1	1.27	MD75
SMA1GTA50-3050A-EC/111	30.5	27.5	4.1	1.27	MD75

SMA Series - Panel Connectors

SMA

Straight Panel Receptacle Plug, 2 Hole Flange

Solder End

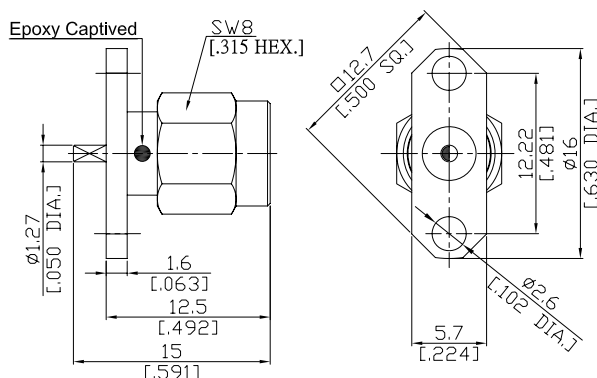


P/N	Mounting Dimension
SMA1GTB50-1750A/1XX¹⁾	MD75
SMA1GTB50-1750A/111¹⁾	MD75
SMA1GTB50-1750A-EC/1XX	MD75
SMA1GTB50-1750A-EC/111	MD75

1) Without epoxy captured version

Straight Panel Receptacle Plug, 2 Hole Flange

Semicircular End

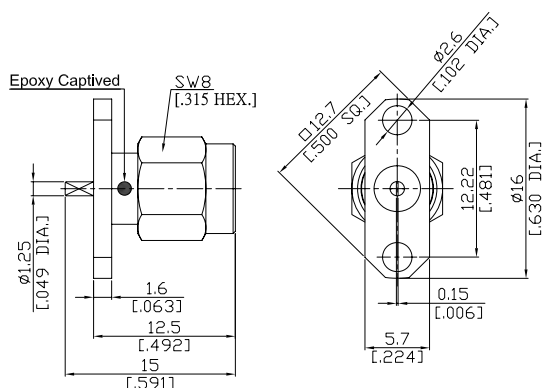


P/N	Mounting Dimension
SMA1GTC50-1500A/1XX¹⁾	MD75
SMA1GTC50-1500A/111¹⁾	MD75
SMA1GTC50-1500A-EC/1XX	MD75
SMA1GTC50-1500A-EC/111	MD75

1) Without epoxy captured version

Straight Panel Receptacle Plug, 2 Hole Flange

Flat End

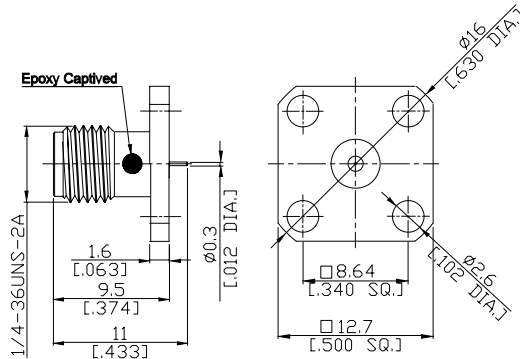


P/N	Mounting Dimension
SMA1GTD50-1500A/1XX¹⁾	MD75
SMA1GTD50-1500A/111¹⁾	MD75
SMA1GTD50-1500A-EC/1XX	MD75
SMA1GTD50-1500A-EC/111	MD75

1) Without epoxy captured version

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

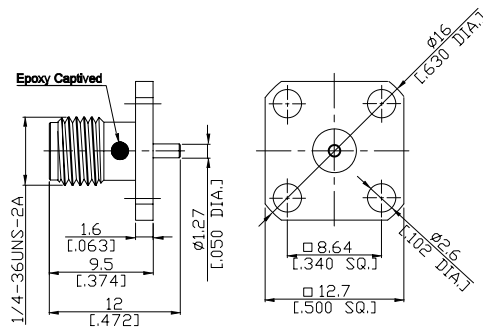


P/N	Mounting Dimension
SMA2GFA50-1100A/9X¹⁾	MD71
SMA2GFA50-1100A/9I¹⁾	MD71
SMA2GFA50-1100A-EC/9X	MD71
SMA2GFA50-1100A-EC/9I	MD71

1) Without epoxy captived version

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

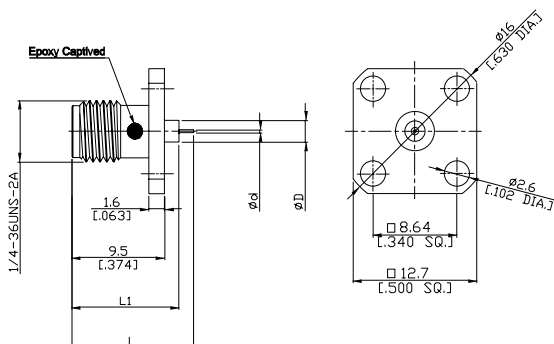


P/N	Mounting Dimension
SMA2GFA50-1200A/9X¹⁾	MD71
SMA2GFA50-1200A/9I¹⁾	MD71
SMA2GFA50-1200A-EC/9X	MD71
SMA2GFA50-1200A-EC/9I	MD71

1) Without epoxy captived version

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End



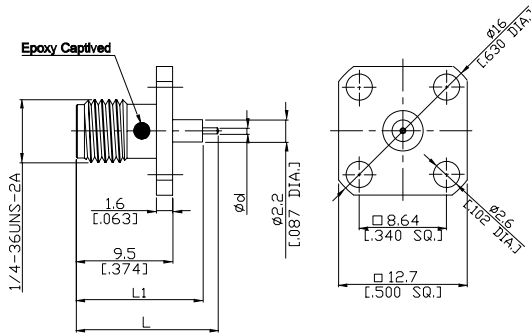
P/N	L	L1	D	d	Mounting Dimension
SMA2GFA50-1250A-EC/9X	12.5	11	2.2	0.3	MD78
SMA2GFA50-1250A-EC/9I	12.5	11	2.2	0.3	MD78
SMA2GFA50-1320A-EC/9X	13.2	12.7	2.2	0.3	MD78
SMA2GFA50-1320A-EC/9I	13.2	12.7	2.2	0.3	MD78
SMA2GFA50-1394A-EC/9X	13.94	12.68	2.13	0.25	MD79
SMA2GFA50-1394A-EC/9I	13.94	12.68	2.13	0.25	MD79

SMA Series - Panel Connectors

SMA

Straight Panel Receptacle Jack, 4 Hole Flange

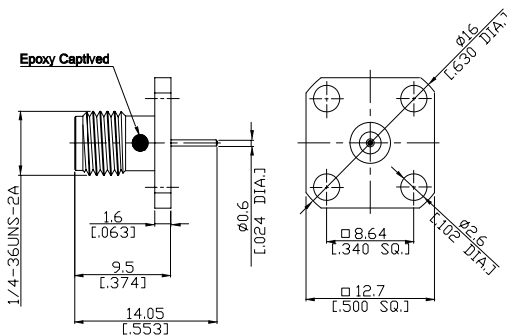
Coaxial End



P/N	L	L1	d	Mounting Dimension
SMA2GFA50-1400A-EC/9X	14	12.45	0.6	MD78
SMA2GFA50-1400A-EC/9I	14	12.45	0.6	MD78
SMA2GFA50-1400B-EC/9X	14	12.5	0.9	MD78
SMA2GFA50-1400B-EC/9I	14	12.5	0.9	MD78
SMA2GFA50-1405A-EC/9X	14.05	13.55	0.3	MD78
SMA2GFA50-1405A-EC/9I	14.05	13.55	0.3	MD78

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

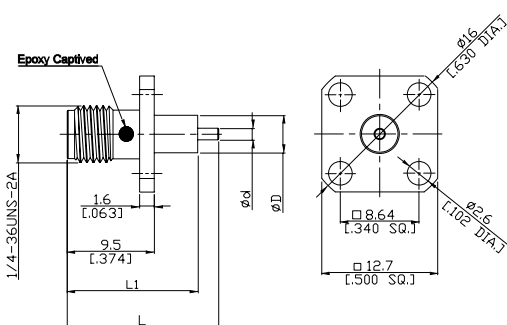


P/N	Mounting Dimension
SMA2GFA50-1405B-9I ¹⁾	MD71
SMA2GFA50-1405B-EC/9I	MD71

1) Without epoxy captived version

Straight Panel Receptacle Jack, 4 Hole Flange

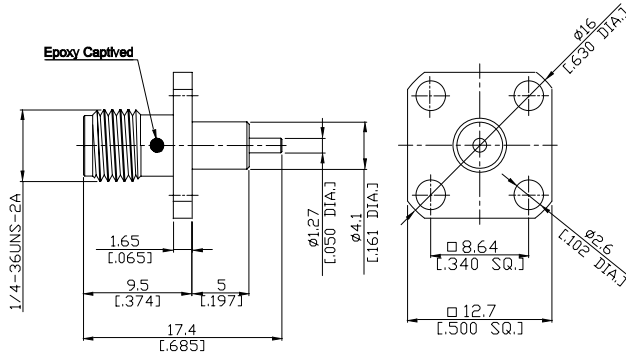
Coaxial End



P/N	L	L1	D	d	Mounting Dimension
SMA2GFA50-1420A-EC/9X	14.2	12.7	2.2	0.3	MD78
SMA2GFA50-1420A-EC/9I	14.2	12.7	2.2	0.3	MD78
SMA2GFA50-1655A-EC/9X	16.55	14.25	4.1	1.27	MD71
SMA2GFA50-1655A-EC/9I	16.55	14.25	4.1	1.27	MD71
SMA2GFA50-1700A-EC/9X	17	14.5	4.1	1.27	MD71
SMA2GFA50-1700A-EC/9I	17	14.5	4.1	1.27	MD71

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

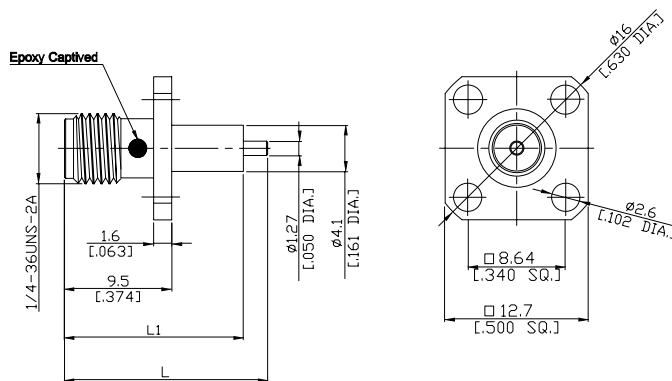


P/N	Mounting Dimension
SMA2GFA50-1740A-9X¹⁾	MD71
SMA2GFA50-1740A-91¹⁾	MD71
SMA2GFA50-1740A-EC/9X	MD71
SMA2GFA50-1740A-EC/91	MD71

1) Without epoxy captived version

Straight Panel Receptacle Jack, 4 Hole Flange

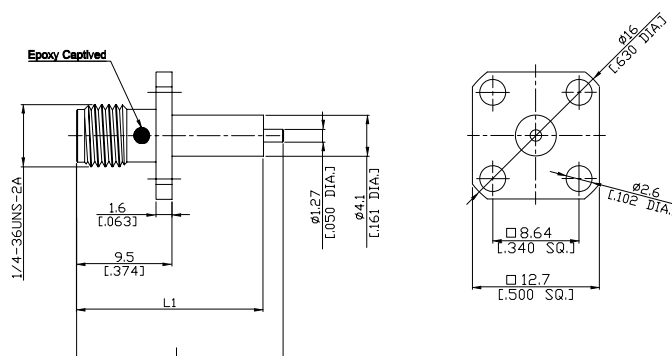
Coaxial End



P/N	L	L1	Mounting Dimension
SMA2GFA50-1800A-EC/9X	18	15.85	MD71
SMA2GFA50-1800A-EC/91	18	15.85	MD71
SMA2GFA50-1850A-EC/9X	18.5	16	MD71
SMA2GFA50-1850A-EC/91	18.5	16	MD71
SMA2GFA50-2000A-EC/9X	20	17.5	MD71
SMA2GFA50-2000A-EC/91	20	17.5	MD71

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End



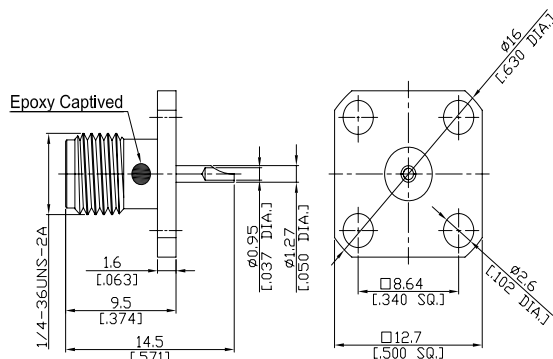
P/N	L	L1	Mounting Dimension
SMA2GFA50-2060A-EC/9X	20.6	18.6	MD71
SMA2GFA50-2060A-EC/91	20.6	18.6	MD71
SMA2GFA50-2540A-EC/9X	25.4	22.2	MD71
SMA2GFA50-2540A-EC/91	25.4	22.2	MD71
SMA2GFA50-2740A-EC/9X	27.4	24.5	MD71
SMA2GFA50-2740A-EC/91	27.4	24.5	MD71

SMA Series - Panel Connectors

SMA

Straight Panel Receptacle Jack, 4 Hole Flange

Solder End

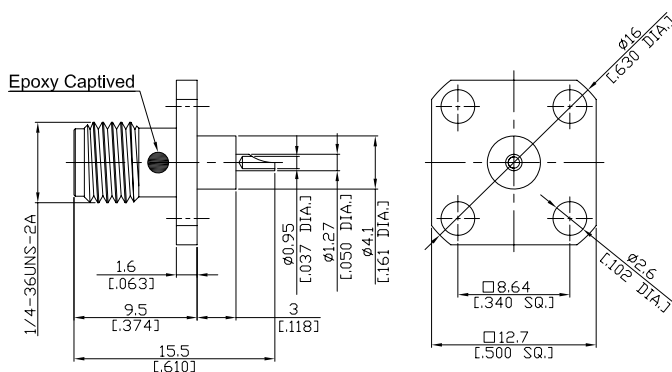


P/N	Mounting Dimension
SMA2GFB50-1450A/9X14	MD71
SMA2GFB50-1450A/91	MD71
SMA2GFB50-1450A-EC/9X	MD71
SMA2GFB50-1450A-EC/91	MD71

1) Without epoxy captived version

Straight Panel Receptacle Jack, 4 Hole Flange

Solder End

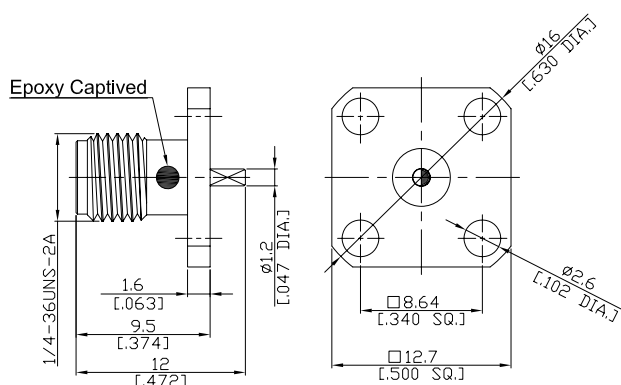


P/N	Mounting Dimension
SMA2GFB50-1550A/9X14	MD71
SMA2GFB50-1550A/91	MD71
SMA2GFB50-1550A-EC/9X	MD71
SMA2GFB50-1550A-EC/91	MD71

1) Without epoxy captived version

Straight Panel Receptacle Jack, 4 Hole Flange

Semicircular End

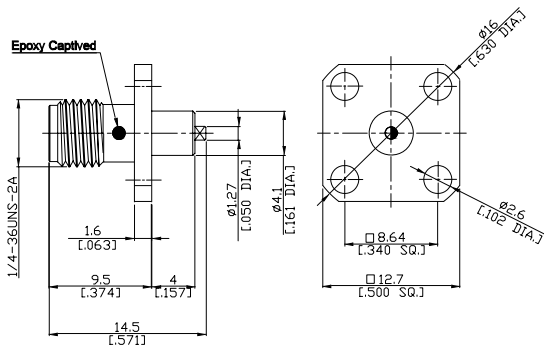


P/N	Mounting Dimension
SMA2GFC50-1200A/9X14	MD71
SMA2GFC50-1200A/91	MD71
SMA2GFC50-1200A-EC/9X	MD71
SMA2GFC50-1200A-EC/91	MD71

1) Without epoxy captived version

Straight Panel Receptacle Jack, 4 Hole Flange

Semicircular End

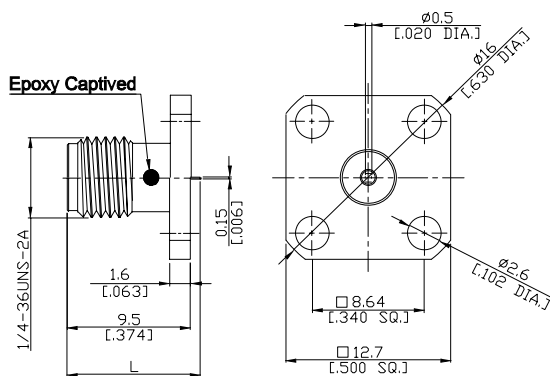


P/N	Mounting Dimension
SMA2GFC50-1450A/9X11	MD71
SMA2GFC50-1450A/9111	MD71
SMA2GFC50-1450A-EC/9X	MD71
SMA2GFC50-1450A-EC/91	MD71

1) Without epoxy captivated version

Straight Panel Receptacle Jack, 4 Hole Flange

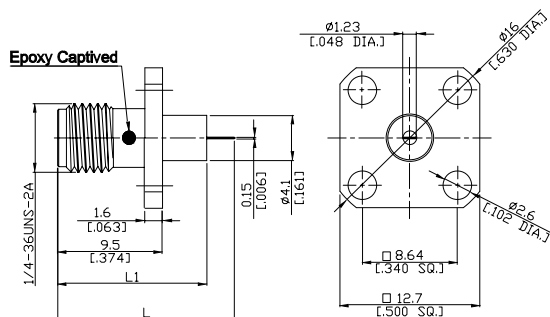
Flat End



P/N	L	Mounting Dimension
SMA2GFD50-1026A-EC/9X	10.26	MD71
SMA2GFD50-1026A-EC/91	10.26	MD71
SMA2GFD50-1077B-EC/9X	10.77	MD71
SMA2GFD50-1077B-EC/91	10.77	MD71
SMA2GFD50-1200A-EC/9X	12	MD71
SMA2GFD50-1200A-EC/91	12	MD71

Straight Panel Receptacle Jack, 4 Hole Flange

Flat End



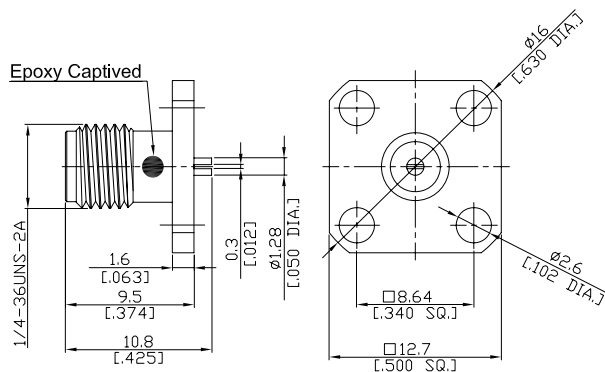
P/N	L	L1	Mounting Dimension
SMA2GFD50-1600A-EC/9X	16	13.5	MD71
SMA2GFD50-1600A-EC/91	16	13.5	MD71
SMA2GFD50-1610A-EC/91	16.1	13.6	MD71
SMA2GFD50-2000A-EC/9X	20	17.5	MD71
SMA2GFD50-2000A-EC/91	20	17.5	MD71

SMA Series - Panel Connectors

SMA

Straight Panel Receptacle Jack, 4 Hole Flange

Microstrip End

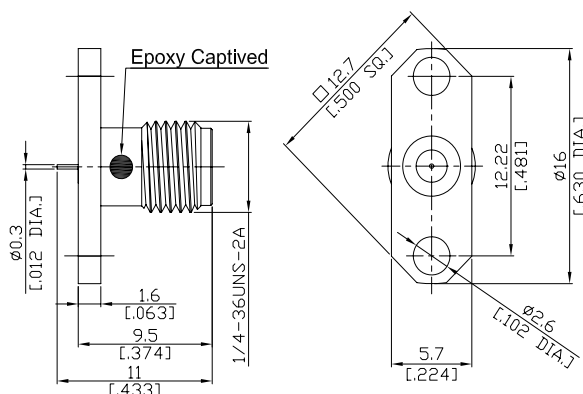


P/N	Mounting Dimension
SMA2GFE50-1080A/9X¹⁾	MD119
SMA2GFE50-1080A/91¹⁾	MD119
SMA2GFE50-1080A-EC/9X	MD119
SMA2GFE50-1080A-EC/91	MD119

1) Without epoxy captured version

Straight Panel Receptacle Jack, 2 Hole Flange

Coaxial End

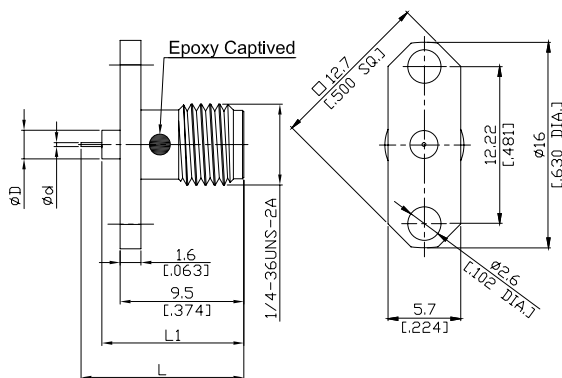


P/N	Mounting Dimension
SMA2GTA50-1100A/9X¹⁾	MD75
SMA2GTA50-1100A/91¹⁾	MD75
SMA2GTA50-1100A-EC/9X	MD75
SMA2GTA50-1100A-EC/91	MD75

1) Without epoxy captured version

Straight Panel Receptacle Jack, 2 Hole Flange

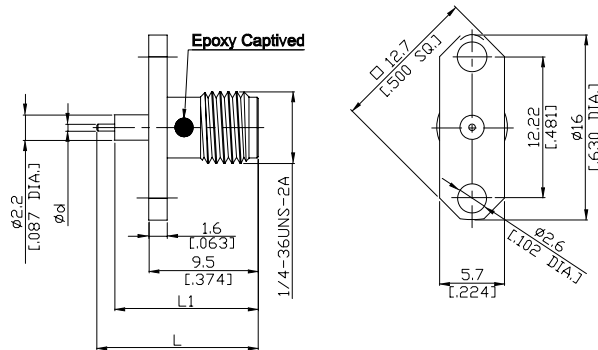
Coaxial End



P/N	L	L1	D	d	Mounting Dimension
SMA2GTA50-1250A-EC/91	12.5	10.9	2.2	0.3	MD76
SMA2GTA50-1320A-EC/91	13.2	12.68	2.2	0.3	MD76
SMA2GTA50-1394A-EC/9X	13.94	12.68	2.13	0.25	MD77
SMA2GTA50-1394A-EC/91	13.94	12.68	2.13	0.25	MD77
SMA2GTA50-1405A-EC/9X	14.05	13.55	2.2	0.3	MD76
SMA2GTA50-1405A-EC/91	14.05	13.55	2.2	0.3	MD76
SMA2GTA50-1420A-EC/9X	14.2	12.7	2.2	0.3	MD76
SMA2GTA50-1420A-EC/91	14.2	12.7	2.2	0.3	MD76

Straight Panel Receptacle Jack, 2 Hole Flange

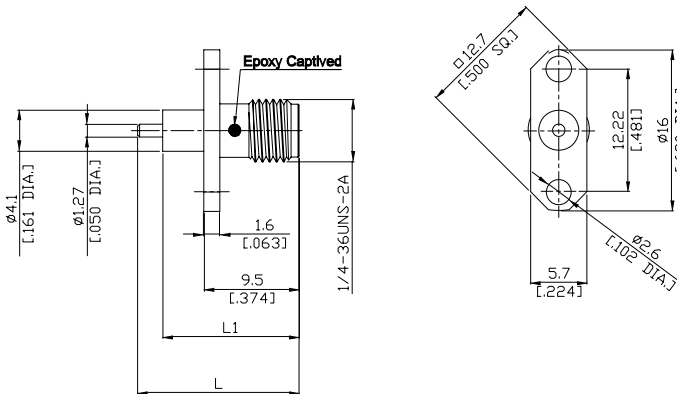
Coaxial End



P/N	L	L1	d	Mounting Dimension
SMA2GTA50-1400A-EC/9X	14	12.45	0.6	MD76
SMA2GTA50-1400A-EC/9I	14	12.45	0.6	MD76
SMA2GTA50-1400B-EC/9X	14	12.45	0.9	MD76
SMA2GTA50-1400B-EC/9I	14	12.45	0.9	MD76
SMA2GTA50-1535A-EC/9I	15.35	14.85	0.6	MD76
SMA2GTA50-1690A-EC/9I	16.9	14.85	0.6	MD76

Straight Panel Receptacle Jack, 2 Hole Flange

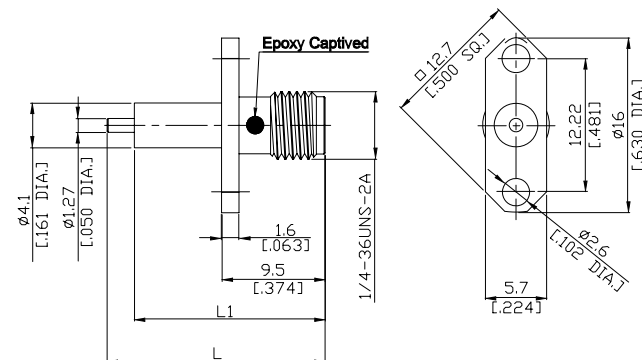
Coaxial End



P/N	L	L1	Mounting Dimension
SMA2GTA50-1610A-EC/9I	16.1	13.6	MD75
SMA2GTA50-1650A-EC/9X	16.5	14.25	MD75
SMA2GTA50-1650A-EC/9I	16.5	14.25	MD75
SMA2GTA50-1700A-EC/9X	17	14.5	MD75
SMA2GTA50-1700A-EC/9I	17	14.5	MD75
SMA2GTA50-1740A-EC/9I	17.4	14.53	MD75
SMA2GTA50-1745A-EC/9X	17.45	14.45	MD75
SMA2GTA50-1745A-EC/9I	17.45	14.45	MD75
SMA2GTA50-1850A-EC/9X	18.5	16	MD75
SMA2GTA50-1850A-EC/9I	18.5	16	MD75

Straight Panel Receptacle Jack, 2 Hole Flange

Coaxial End



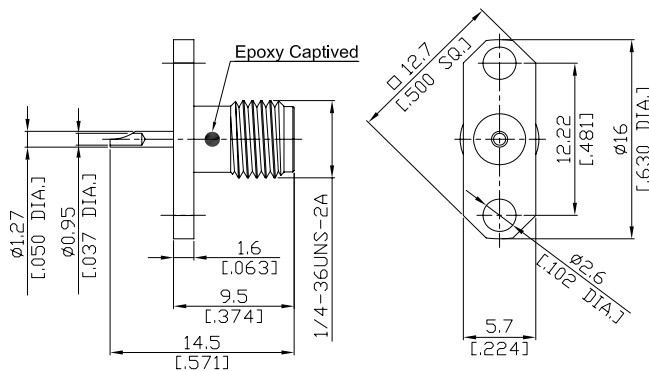
P/N	L	L1	Mounting Dimension
SMA2GTA50-2000A-EC/9X	20	17.5	MD75
SMA2GTA50-2000A-EC/9I	20	17.5	MD75
SMA2GTA50-2060A-EC/9I	20.6	18.6	MD75
SMA2GTA50-2200A-EC/9X	22	19.2	MD75
SMA2GTA50-2200A-EC/9I	22	19.2	MD75
SMA2GTA50-2250A-EC/9I	22.5	16	MD75
SMA2GTA50-2540A-EC/9I	25.4	22.2	MD75
SMA2GTA50-2600A-EC/9I	26	21.5	MD75
SMA2GTA50-2740A-EC/9X	27.4	24.5	MD75
SMA2GTA50-2740A-EC/9I	27.4	24.5	MD75

SMA Series - Panel Connectors

SMA

Straight Panel Receptacle Jack, 2 Hole Flange

Solder End

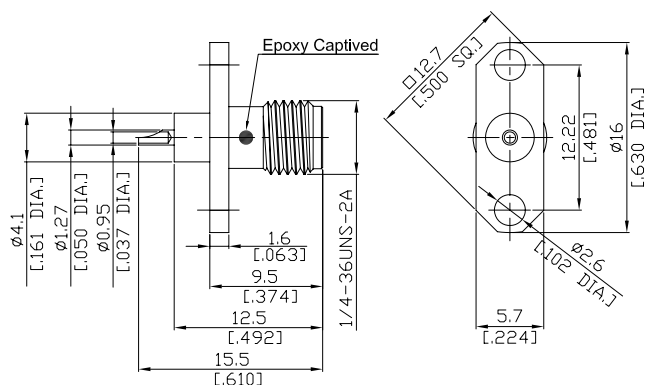


P/N	Mounting Dimension
SMA2GTB50-1450A/9X¹⁾	MD75
SMA2GTB50-1450A/9I¹⁾	MD75
SMA2GTB50-1450A-EC/9X	MD75
SMA2GTB50-1450A-EC/9I	MD75

1) Without epoxy captured version

Straight Panel Receptacle Jack, 2 Hole Flange

Solder End

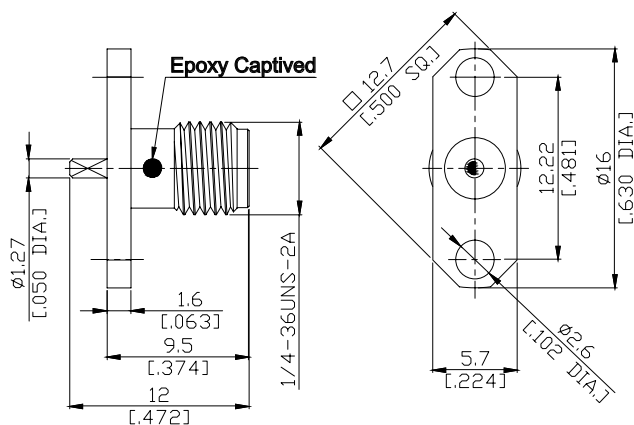


P/N	Mounting Dimension
SMA2GTB50-1550A/9X¹⁾	MD75
SMA2GTB50-1550A/9I¹⁾	MD75
SMA2GTB50-1550A-EC/9X	MD75
SMA2GTB50-1550A-EC/9I	MD75

1) Without epoxy captured version

Straight Panel Receptacle Jack, 2 Hole Flange

Semicircular End

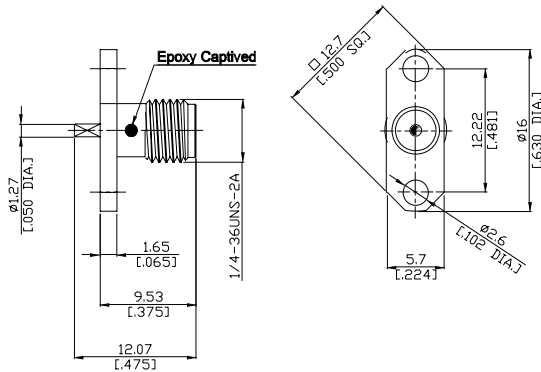


P/N	Mounting Dimension
SMA2GTC50-1200A/9X¹⁾	MD75
SMA2GTC50-1200A/9I¹⁾	MD75
SMA2GTC50-1200A-EC/9X	MD75
SMA2GTC50-1200A-EC/9I	MD75

1) Without epoxy captured version

Straight Panel Receptacle Jack, 2 Hole Flange

Semicircular End

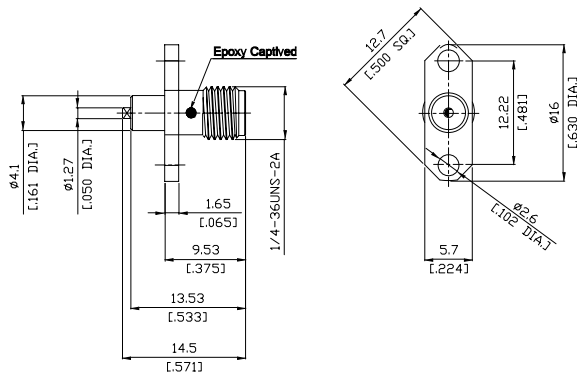


P/N	Mounting Dimension
SMA2GTC50-1207A/9X¹⁾	MD75
SMA2GTC50-1207A/9I¹⁾	MD75
SMA2GTC50-1207A-EC/9X	MD75
SMA2GTC50-1207A-EC/9I	MD75

1) Without epoxy captived version

Straight Panel Receptacle Jack, 2 Hole Flange

Semicircular End

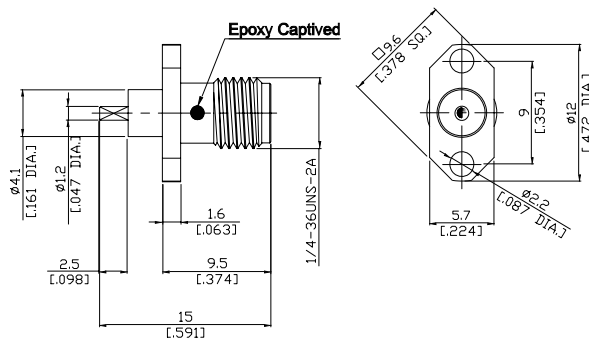


P/N	Mounting Dimension
SMA2GTC50-1450A/9X¹⁾	MD75
SMA2GTC50-1450A/9I¹⁾	MD75
SMA2GTC50-1450A-EC/9X	MD75
SMA2GTC50-1450A-EC/9I	MD75

1) Without epoxy captived version

Straight Panel Receptacle Jack, 2 Hole Flange

Semicircular End



P/N	Mounting Dimension
SMA2GTC50-1500A/9X¹⁾	MD120
SMA2GTC50-1500A/9I¹⁾	MD120
SMA2GTC50-1500A-EC/9X	MD120
SMA2GTC50-1500A-EC/9I	MD120

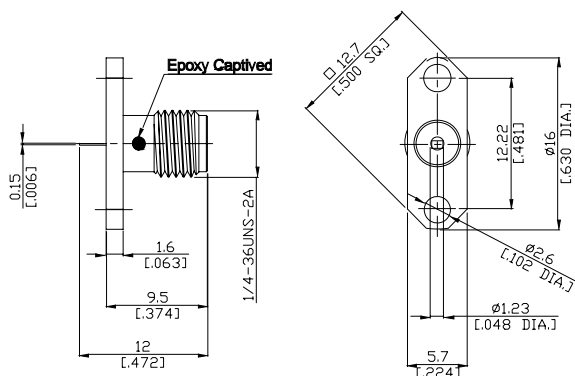
1) Without epoxy captived version

SMA Series - Panel Connectors

SMA

Straight Panel Receptacle Jack, 2 Hole Flange

Flat End

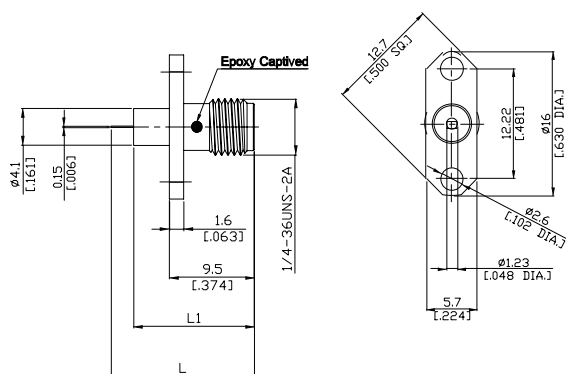


P/N	Mounting Dimension
SMA2GTD50-1200A/9X¹⁾	MD75
SMA2GTD50-1200A/9I¹⁾	MD75
SMA2GTD50-1200A-EC/9X	MD75
SMA2GTD50-1200A-EC/9I	MD75

1) Without epoxy captured version

Straight Panel Receptacle Jack, 2 Hole Flange

Flat End

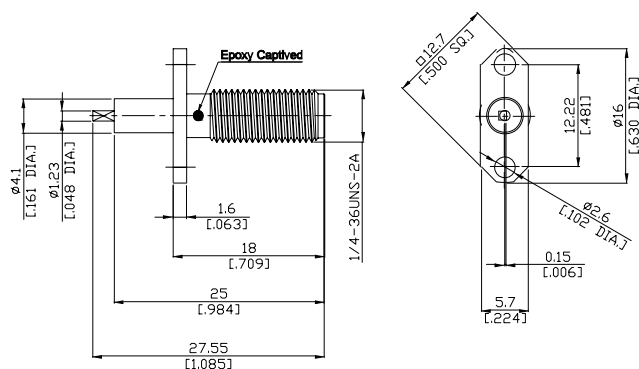


P/N	L	L1	Mounting Dimension
SMA2GTD50-1600A/9X¹⁾	16	13.5	MD75
SMA2GTD50-1600A/9I¹⁾	16	13.5	MD75
SMA2GTD50-2000A/9X¹⁾	20	17.5	MD75
SMA2GTD50-2000A/9I¹⁾	20	17.5	MD75
SMA2GTD50-1600A-EC/9X	16	13.5	MD75
SMA2GTD50-1600A-EC/9I	16	13.5	MD75
SMA2GTD50-2000A-EC/9X	20	17.5	MD75
SMA2GTD50-2000A-EC/9I	20	17.5	MD75

1) Without epoxy captured version

Straight Panel Receptacle Jack, 2 Hole Flange

Flat End

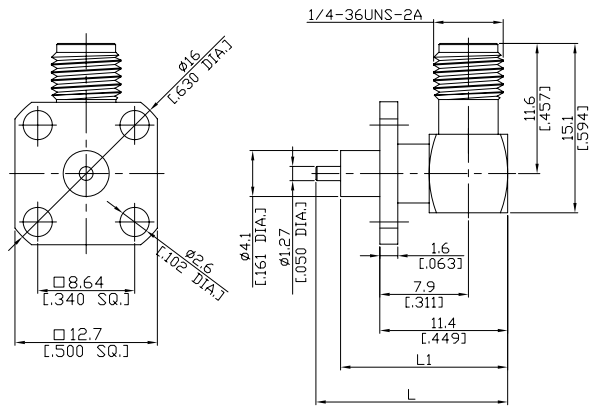


P/N	Mounting Dimension
SMA2GTD50-2755A/9I¹⁾	MD75
SMA2GTD50-2755A-EC/9I	MD75

1) Without epoxy captured version

Right Angle Receptacle Jack, 4 Hole Flange

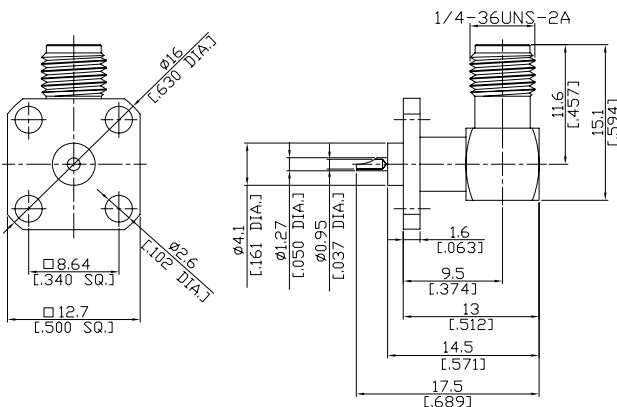
Coaxial End



P/N	L	L1	Mounting Dimension
SMA2GFA59-1710A/9X	17.1	14.9	MD71
SMA2GFA59-1710A/9I	17.1	14.9	MD71
SMA2GFA59-2340A/9X	23.4	20.4	MD71
SMA2GFA59-2340A/9I	23.4	20.4	MD71
SMA2GFA59-2730A/9X	27.3	24.1	MD71
SMA2GFA59-2730A/9I	27.3	24.1	MD71
SMA2GFA59-2930A/9X	29.3	26.4	MD71
SMA2GFA59-2930A/9I	29.3	26.4	MD71

Right Angle Receptacle Jack, 4 Hole Flange

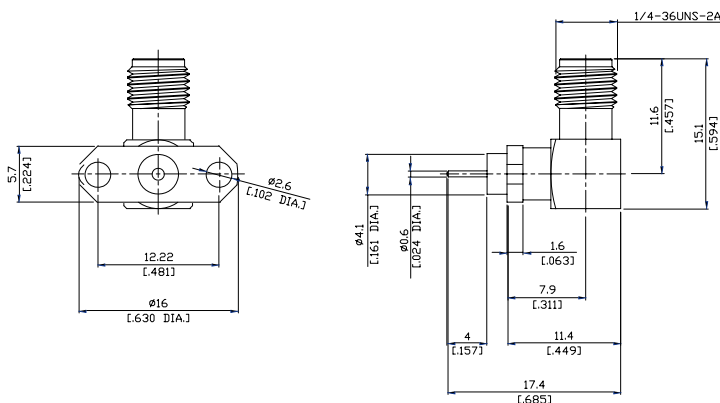
Solder End



P/N	Mounting Dimension
SMA2GFB59-1750A/9X	MD71
SMA2GFB59-1750A/9I	MD71

Right Angle Receptacle Jack, 2 Hole Flange

Coaxial End

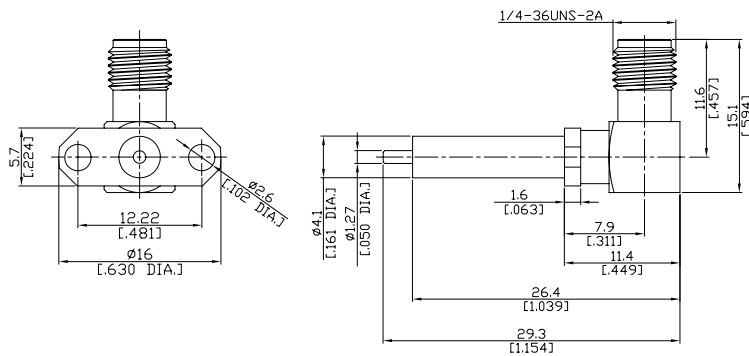


P/N	Mounting Dimension
SMA2GTA59-1740A/9X	MD75
SMA2GTA59-1740A/9I	MD75

SMA Series - Panel Connectors

Right Angle Receptacle Jack, 2 Hole Flange

Coaxial End



P/N	Mounting Dimension
SMA2GTA59-2930A/9X	MD75
SMA2GTA59-2930A/9I	MD75

PCB Connectors

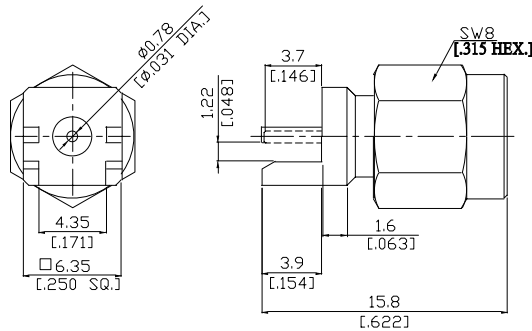


SMA Series - PCB Connectors

SMA

Straight PCB End Launch Plug

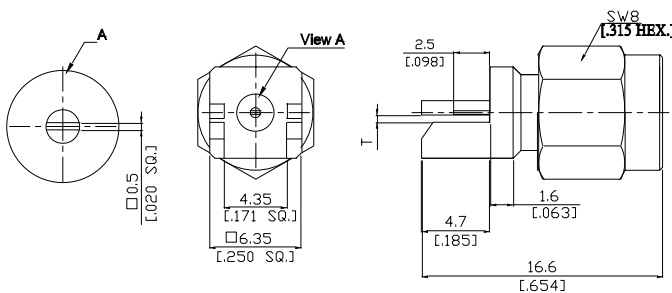
Coaxial End



P/N	Mounting Dimension
SMA1H1A50-0122A/111	MD121
SMA1H1A50-0173A/111	MD121

Straight PCB End Launch Plug

Flat End

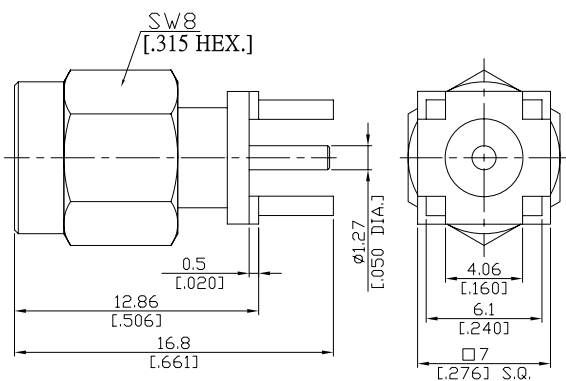


P/N	T	Mounting Dimension
SMA1H1B50-0050A/111	0.5	MD122
SMA1H1B50-0075A/111	0.75	MD122
SMA1H1B50-0110A / 111	1.1	MD122

Straight PCB Through Hole Plug

Coaxial End

With 0.5 mm Stand-off

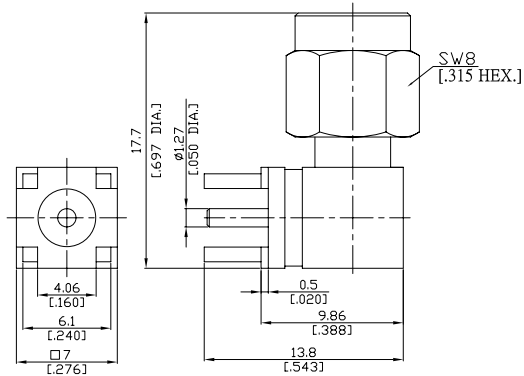


P/N	Mounting Dimension
SMA1I50-1680A/111	MD123
SMA1I50-1680A/133	MD123

Right Angle PCB Through Hole Plug

Coaxial End

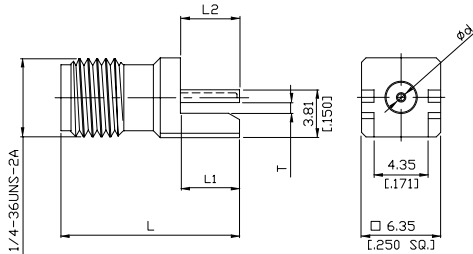
With 0.5 mm Stand-off



P/N	Mounting Dimension
SMA1159-1770A/111	MD123

Straight PCB End Launch Jack

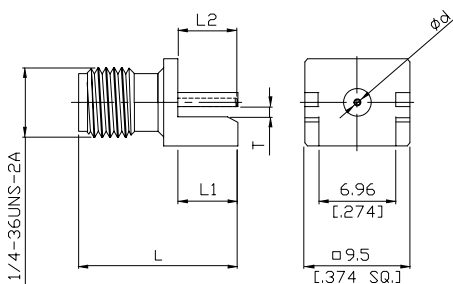
Coaxial End



P/N	T	L	L1	L2	d	Mounting Dimension
SMA2H1A50-0085A/91	0.85	14.2	4.7	4.5	0.78	MD124
SMA2H1A50-0122A/91	1.22	14.2	4.7	4.5	0.78	MD124
SMA2H1A50-0160A/91	1.6	13.4	3.9	3.75	0.78	MD121
SMA2H1A50-0160B/91	1.6	13.4	3.9	3.75	0.3	MD127
SMA2H1A50-0173A/91	1.73	14.2	4.7	4.5	0.78	MD124
SMA2H1A50-0173B/91	1.73	14.2	4.7	4.5	0.78	MD128
SMA2H1A50-0200A/91	2	14.2	4.7	4.5	0.78	MD124

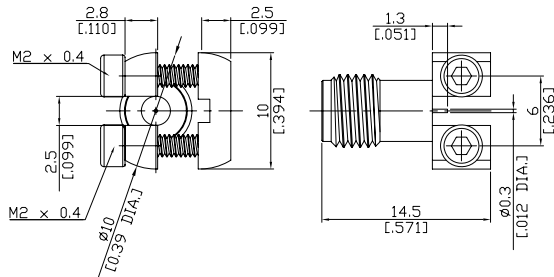
Straight PCB End Launch Jack

Coaxial End



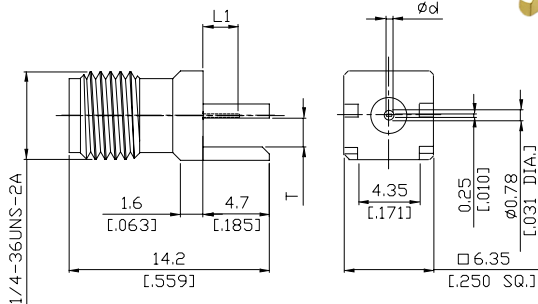
P/N	T	L	L1	L2	d	Mounting Dimension
SMA2H2A50-0093A/91	0.93	14.27	5.38	5.31	0.76	MD129
SMA2H2A50-0173A/91	1.73	14.2	4.7	4.5	0.78	MD130
SMA2H2A50-0173B/91	1.73	16.8	4.7	4.5	0.78	MD130
SMA2H2A50-0173C/91	1.73	17.5	4.7	4.5	0.78	MD130
SMA2H2A50-0254A/91	2.54	14.2	4.7	4.5	0.78	MD130

Coaxial End



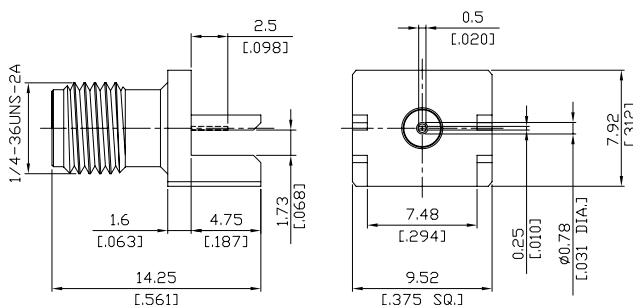
P/N	Mounting Dimension
SMA2H2A50-1450A/91	MD131

Flat End



P/N	T	L1	d	Mounting Dimension
SMA2H1B50-0050A/91	0.5	2.5	0.5	MD122
SMA2H1B50-0075A/91	0.75	2.5	0.5	MD122
SMA2H1B50-0080A/91	0.8	2.5	0.5	MD122
SMA2H1B50-0100A/91	1	1.8	0.25	MD122
SMA2H1B50-0120A/91	1.2	2.5	0.5	MD122
SMA2H1B50-0205A/91	2.05	2.5	0.5	MD122

Flat End

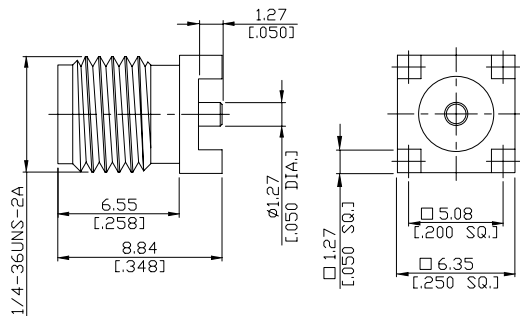


P/N	Mounting Dimension
SMA2H2B50-0173B/91	MD125

Straight PCB Through Hole Jack

Coaxial End

Without Stand-off

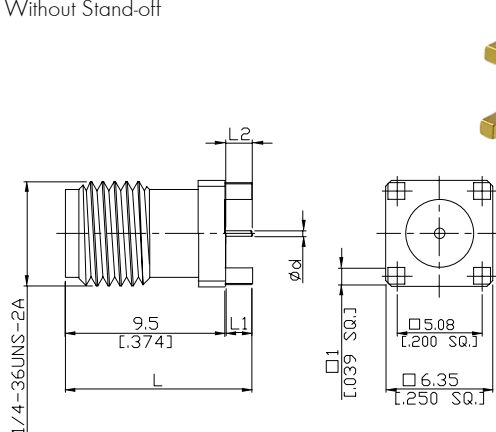


P/N	Mounting Dimension
SMA2150-0884A/91	MD123

Straight PCB Through Hole Jack

Coaxial End

Without Stand-off

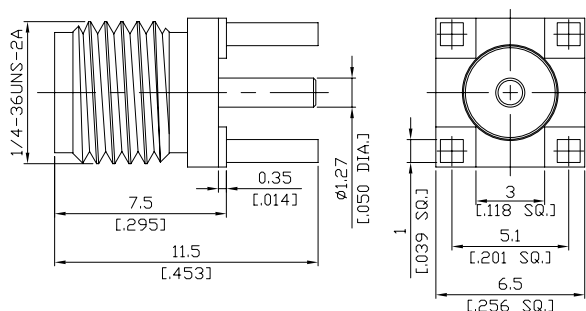


P/N	L	L1	L2	d	Mounting Dimension
SMA2150-1110A/91	11.1	1.6	1.6	0.35	MD133
SMA2150-1150B/91	11.5	2	2	0.5	MD132
SMA2150-1350A/91	13.5	4	3.78	1.27	MD123
SMA2150-1350D/91	13.5	4	3	0.3	MD133
SMA2150-1350E/91	13.5	4	3.78	0.5	MD132

Straight PCB Through Hole Jack

Coaxial End

With 0.35 mm Stand-off



P/N	Mounting Dimension
SMA2150-1150A/91	MD123

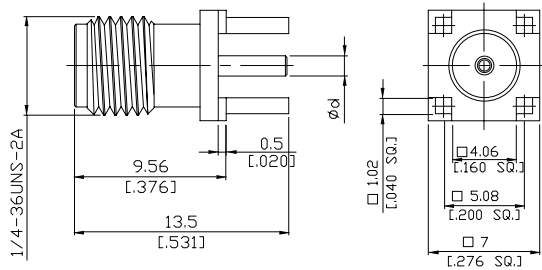
SMA Series - PCB Connectors

SMA

Straight PCB Through Hole Jack

Coaxial End

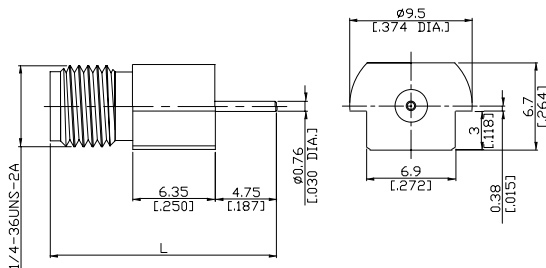
With 0.5 mm Stand-off



P/N	d	Mounting Dimension
SMA2150-1350B/91	1.27	MD123
SMA2150-1350C/91	0.95	MD134

Straight PCB Edge Mount Jack

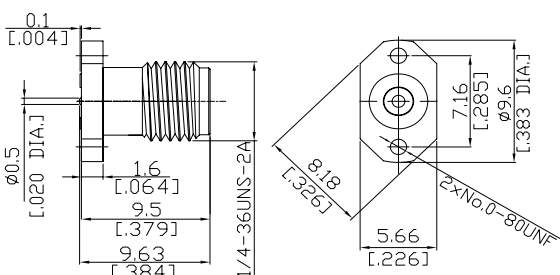
Coaxial End



P/N	L	Mounting Dimension
SMA2J50-1745A/91	17.45	MD135
SMA2J50-1775A/91	17.75	MD135

Straight PCB Compression Mount Jack

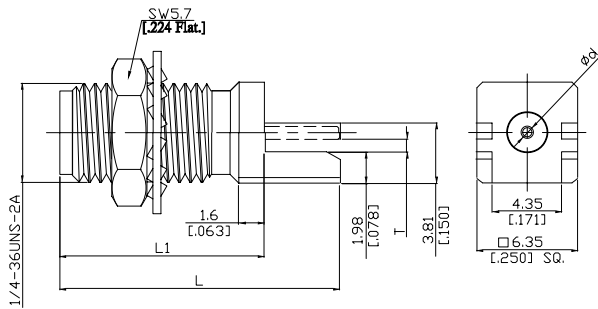
For Digital High Speed Eval Board



P/N	Mounting Dimension
SMA2L50-0963A/9X	MD106

Straight Bulkhead PCB End Launch Jack

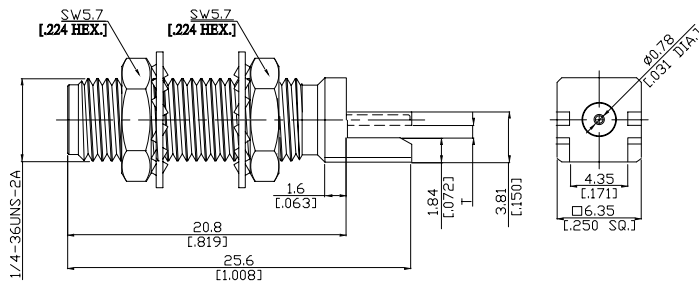
Coaxial End



P/N	T	L	L1	d	Mounting Dimension
SMA2H1C50-0081A/91	0.81	17.5	1.28	0.78	MD128
SMA2H1C50-0122A/91	1.22	17.5	1.28	0.78	MD128
SMA2H1C50-0173A/91	1.73	19.5	14.8	0.58	MD128
SMA2H1C50-0173B/91	1.73	17.5	1.28	0.78	MD128

Straight Bulkhead PCB End Launch Jack

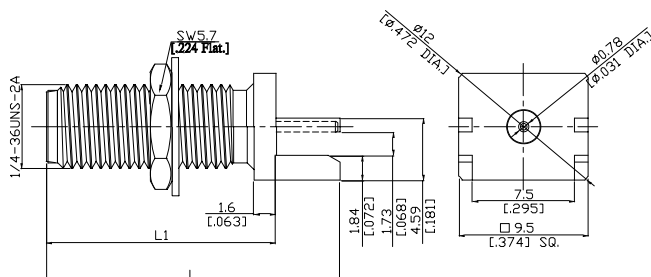
Coaxial End



P/N	T	Mounting Dimension
SMA2H1C50-0095A/91	0.95	MD128
SMA2H1C50-0122B/91	1.22	MD128
SMA2H1C50-0173C/91	1.73	MD128

Straight Bulkhead PCB End Launch Jack

Coaxial End



P/N	L	L1	Mounting Dimension
SMA2H2C50-0173A/91	21.5	16.8	MD130
SMA2H2C50-0173B/91	17.5	12.8	MD130

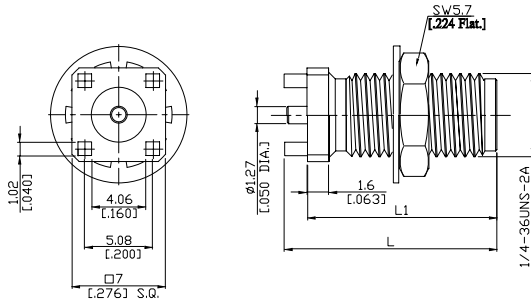
SMA Series - PCB Connectors

SMA

Straight Bulkhead PCB Through Hole Jack

Coaxial End

Without Stand-off

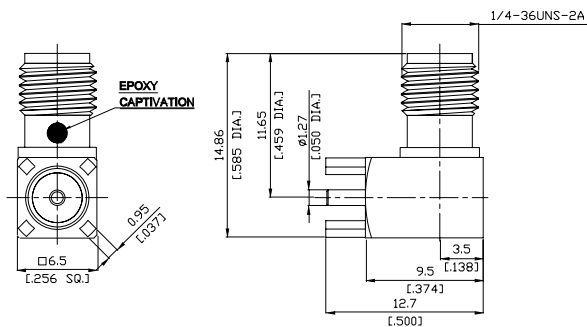


P/N	L	L1	Mounting Dimension
SMA2IA50-1580A/91	15.8	14.1	MD123
SMA2IA50-2681A/91	26.81	22.87	MD123

Right Angle PCB Through Hole Jack

Coaxial End

Without Stand-off

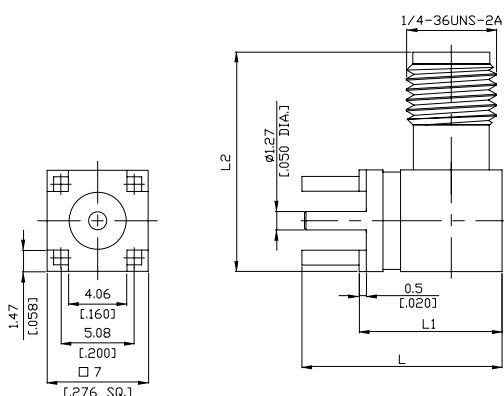


P/N
SMA2I59-1490A/91

Right Angle PCB Through Hole Jack

Coaxial End

With 0.5 mm Stand-off

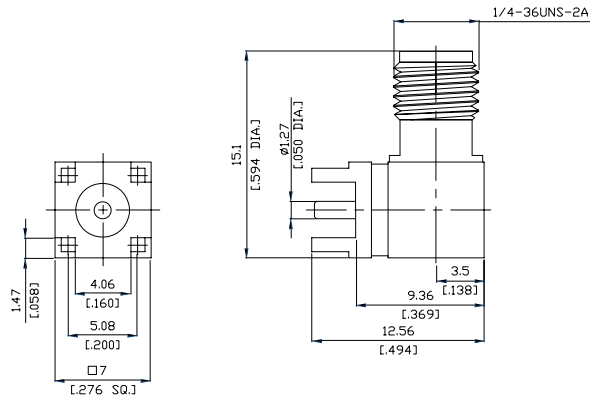


P/N	L	L1	L2	Mounting Dimension
SMA2I59-1510A/91	13.8	9.86	15.1	MD123
SMA2I59-1510C/91	17	13.06	15.1	MD123
SMA2I59-1900A/91	12.56	9.36	19	MD123

Right Angle PCB Through Hole Jack

Coaxial End

With 0.5 mm Stand-off

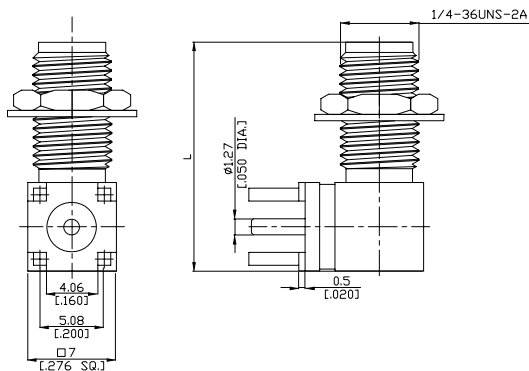


P/N	Mounting Dimension
SMA2I59-1510B/91	MD123

Right Angle Bulkhead PCB Through Hole Jack

Coaxial End

With 0.5 mm Stand-off

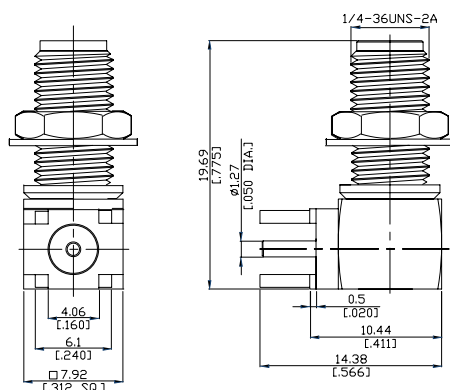


P/N	L	Mounting Dimension
SMA2IA59-1810A/91	18.1	MD123
SMA2IA59-2103A/91	21.03	MD123
SMA2IA59-2105A/91	21.05	MD123
SMA2IA59-2105B/91	21.05	MD123
SMA2IA59-2835A/91	28.35	MD123
SMA2IA59-2980A/91	29.8	MD123

Right Angle Bulkhead PCB Through Hole Jack

Coaxial End

With 0.5 mm Stand-off



P/N	Mounting Dimension
SMA2IA59-1969A/91	MD123

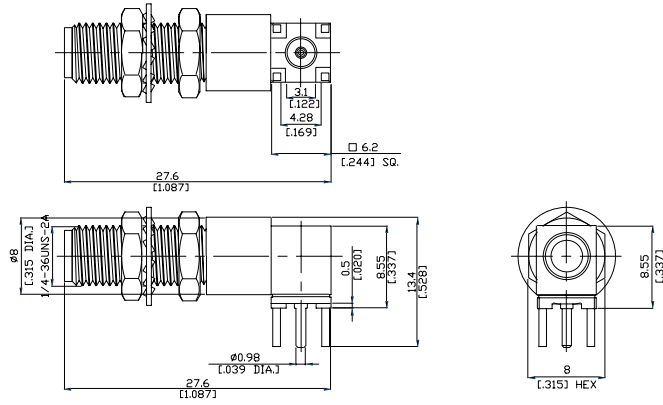
SMA Series - PCB Connectors

SMA

Right Angle Bulkhead PCB Through Hole Jack

Coaxial End

With 0.5 mm Stand-off



P/N

SMA2IA59-2760A/91

Protective Caps

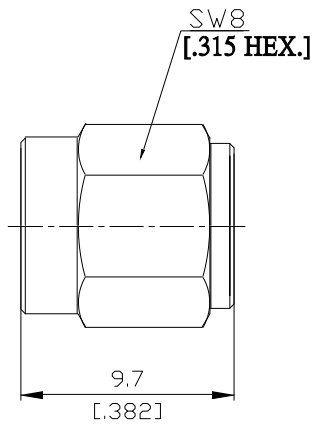


SMA Series - Protective Caps

SMA

Protective Caps Plug

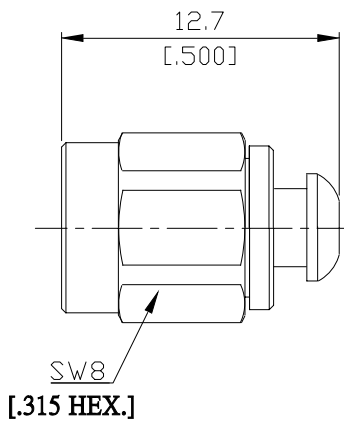
Suitable for 50Ω
Without Chain
For Jacks



P/N
SMA1A00-0970A/-1
SMA1A00-0970A/-X

Protective Caps Plug

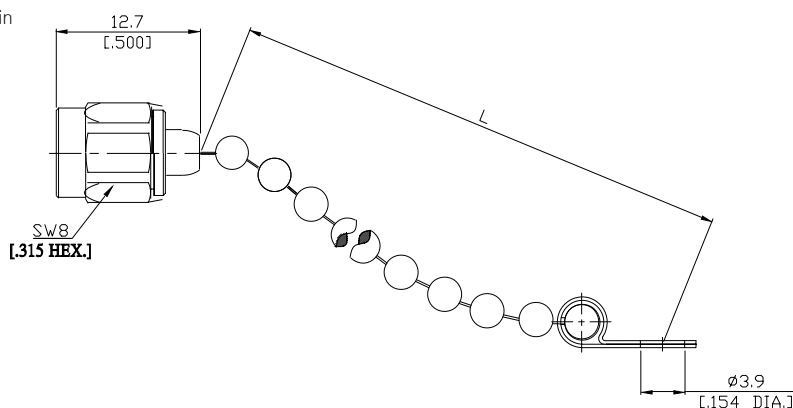
Suitable for 50Ω
Without Chain
For Jacks



P/N
SMA1A00-1270A/-1
SMA1A00-1270A/-X

Protective Caps Plug

Suitable for 50Ω
With Chain
For Jacks



P/N	L
SMA1A00-1270A-57/-1	5.7
SMA1A00-1270A-57/-X	5.7
SMA1A00-1270A-100/-1	10
SMA1A00-1270A-100/-X	10
SMA1A00-1270A-150/-1	15
SMA1A00-1270A-150/-X	15

Protective Caps Plug

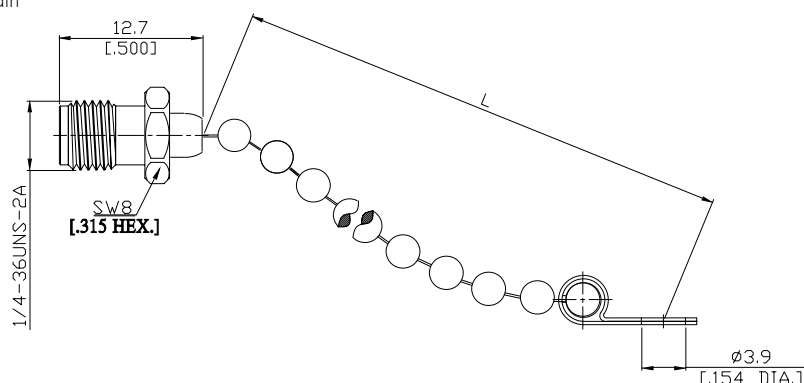
Suitable for 50Ω
With Wire Rope Chain
For Jacks



P/N	L
SMA1A00-1270B-100/-1	10
SMA1A00-1270B-100/-X	10
SMA1A00-1270B-150/-1	15
SMA1A00-1270B-150/-X	15

Protective Caps Jack

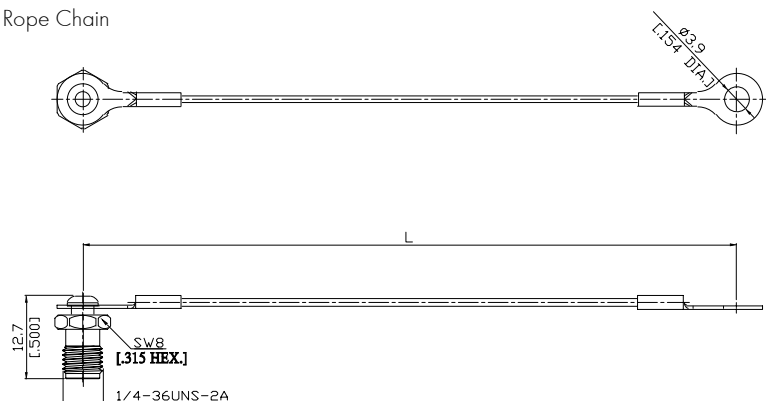
Suitable for 50Ω
With Chain
For Plugs



P/N	L
SMA2A00-1270A-57/-1	5.7
SMA2A00-1270A-57/-X	5.7
SMA2A00-1270A-100/-1	10
SMA2A00-1270A-100/-X	10
SMA2A00-1270A-150/-1	15
SMA2A00-1270A-150/-X	15

Protective Caps Jack

Suitable for 50Ω
With Wire Rope Chain
For Plugs



P/N	L
SMA2A00-1270B-100/-1	10
SMA2A00-1270B-100/-X	10
SMA2A00-1270B-150/-1	15
SMA2A00-1270B-150/-X	15

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

N



The N series is a very popular coax connector.

It is a medium sized, precision, weatherproof connector supplied with a screw coupling. In some applications this connector can be used up to 11 GHz.

Connector styles are available for flexible, conformable, semirigid and corrugated tube cable types.

ROSNOL full crimp, clamp, solder and solder clamp cable entry processes are used for this series.

Special design techniques for this series of connectors have resulted in excellent levels of performance with regard to VSWR (return loss) and Passive InterModulation distortion.

Applications for these connectors vary from signal and data transmission where vibration resistance and environmental protection is required.

ROSNOL N series provides medium-power and high-frequency connectivity solution for coax connections.

Mating face sealing for N connectors between plug (male) and jack (female) mated according to IP 68.

The classifications are general statements for the relevant series.

Individual connectors may deviate from the values shown.

If in doubt, please consult ROSNOL sales representative.

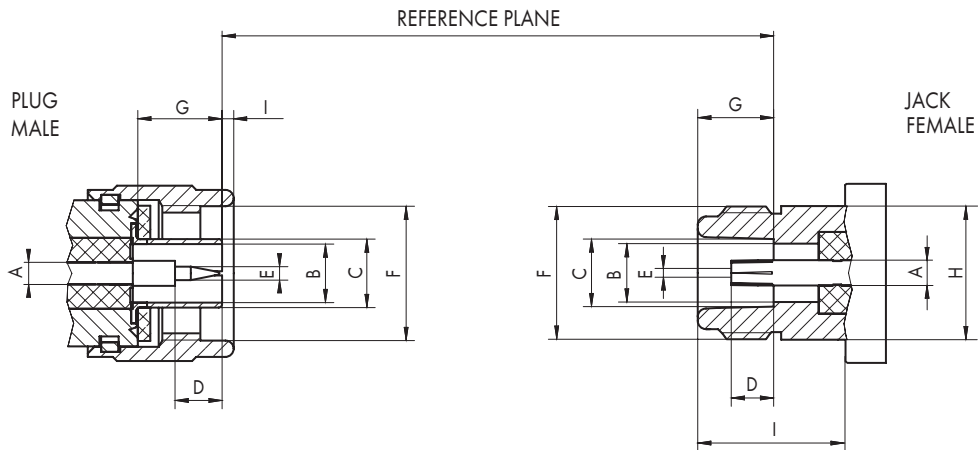
■ Features

- Interface according to MIL-STD-348B/304, IEC 61169-16
- Impedance 50 Ω
- Frequency range up to 11 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling
- N and Precision N -50 Ω connectors are intermateable

■ Applications

- Aerospace
- Antennas
- Base Stations
- Broadcast
- Cable Assemblies
- Cellular
- Cellular Assembly
- Components
- Instrumentation
- Microwave Radio
- Military
- Process Controls
- Radar
- Surge Protection
- Telecommunications

■ Interface Dimensions N 50 Ω



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 3.04/0.134 nom.		Ø 3.04/0.134 nom.	
B	Ø 7.00/0.276 nom.		Ø 7.00/0.276 nom.	
C	-	Ø 8.027/0.316	Ø 8.03/0.136	Ø 8.13/0.320
D	5.28/0.208	-	4.75/0.187	5.26/0.207
E	Ø 1.60/0.063	Ø 1.676/0.066	1)	
F	5/8-24 UNEF-2B		5/8-24 UNEF-2A	
G	9.25/0.364	-	9.15/0.360	9.19/0.362
H	-	-	-	Ø 15.93/0.627
I	0.41/0.016	1.52/0.060	10.72/0.422	-

1) Resilient, dimension to meet electrical and mechanical requirements

N 50 Ω and Precision N 50 Ω connectors are fully intermateable.

-Features

Interface according to MIL-STD-348B/304, IEC 61169-16

Impedance 50 Ω

Frequency range up to 11 GHz

Return loss (cable connector straight) ≥ 20 dB (typ.)

Screw-on coupling

N and Precision N -50 Ω connectors are intermateable

-Product Range

Cable connectors

Bulkhead connectors

Panel connectors (coaxial, solder and flat end type)

Hermetically sealed versions

Adaptors

Terminations

Tools and Accessories

Further connectors available on request.

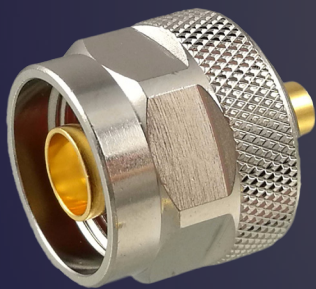
■ Technical Data N

Applicable standards	
Interface according to	MIL-PRF-39012, MIL-STD-348B/304, IEC61169-16
Electrical data	
Impedance	50Ω
Frequency range	DC to 11 GHz
Return loss (cable connector straight)	≥ 20 dB (typ.)
Insertion loss	≤ 0.1 x √f (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Working voltage	1400 V rms
Power handling	1000 W @ 1 GHz 700 W @ 2 GHz
RF leakage - Interface	≥ 128 dB @ DC to 1 GHz
Intermodulation 3rd order	≤ -155 dBc (2 x 43 dBm)
Mechanical data	
Mating cycles	≥ 500
Coupling nut retention	≥ 450 N
Center contact captivation	axial: ≥ 28 N radial: ≥ 3 Ncm
Coupling test torque	≤ 1.7 Nm
Coupling torque recommended	0.7 Nm to 1.1 Nm
Environmental data	
Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Climatic category	IEC 60068-2-1 65/165/21
Degree of protection (mated pair)	IEC 60529, IP 68
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition I
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper, Gold plating
Center contact	Pin: Brass, Gold plating or Beryllium Copper, Gold plating Socket: Beryllium Copper, Gold plating
Outer contact	Brass, Copper-Tin-Zinc Alloy plating
Crimping ferrule	Cu, Copper-Tin-Zinc Alloy plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

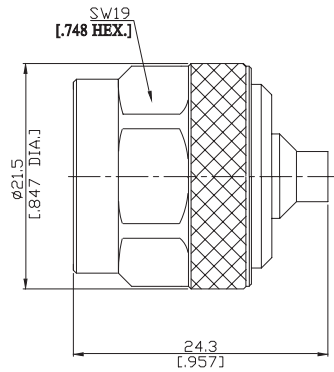
Cable Connectors



Straight Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

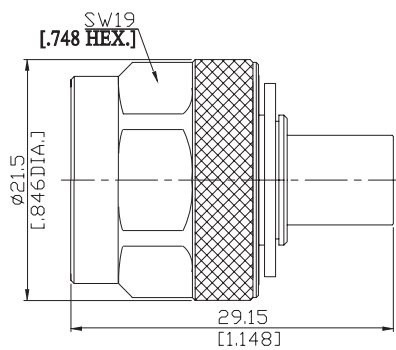


Cable Group	P/N
R14	N1E50-0085A/114
R16	N1E50-0141A/114

Straight Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

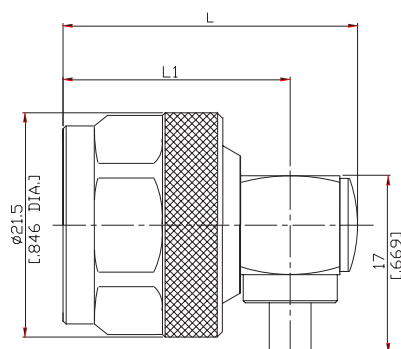


Cable Group	P/N
R17	N1E50-0250A/144

Right Angle Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered



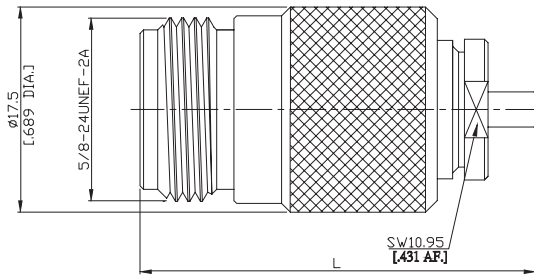
Cable Group	P/N	L1	L
R14	N1E59-0085A/144	21.75	28.2
R16	N1E59-0141A/144	20.8	27.25

N Series - Cable Connectors

Straight Cable Jack

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Solder Clamp

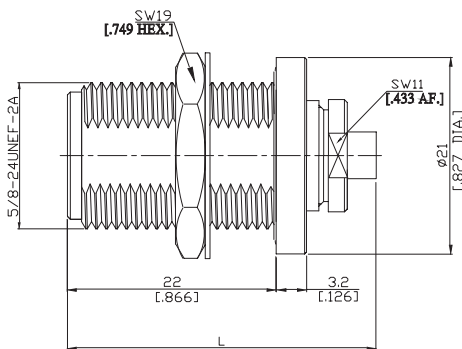


Cable Group	P/N	L
R14	N2K50-0085A/H4	33.5
R16	N2K50-0141A/H4	32.5
R17	N2K50-0250A/H4	30.62

Straight Bulkhead Cable Jack

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Solder Clamp

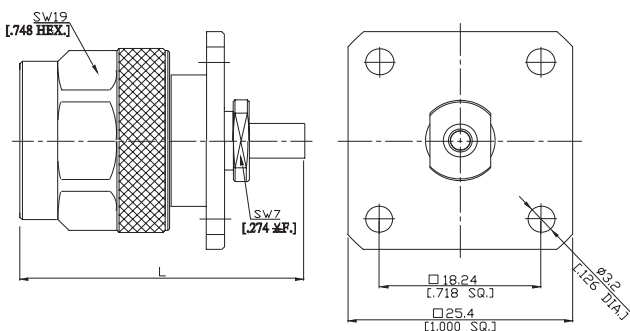


Cable Group	P/N	L	Mounting Dimension
R14	N2KA50-0085A/H4	33.5	MD5
R16	N2KA50-0141A/H4	32.5	MD5
R17	N2KA50-0250A/H4	30.62	MD5

Straight Panel Cable Plug, 4 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Solder Clamp

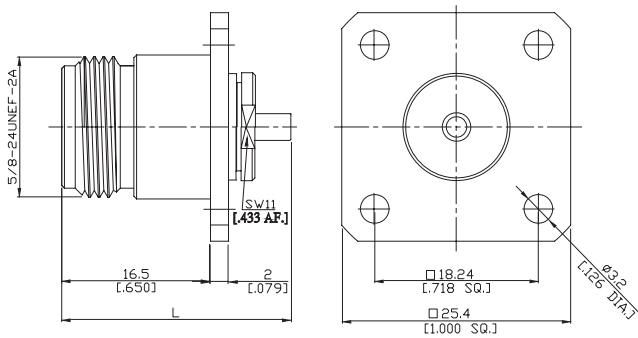


Cable Group	P/N	L	Mounting Dimension
R14	N1KBF50-0085A/144	32.05	MD16
R16	N1KBF50-0141A/144	31.05	MD16
R17	N1KBF50-0250A/144	29.17	MD16

Straight Panel Cable Jack, 4 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Solder Clamp

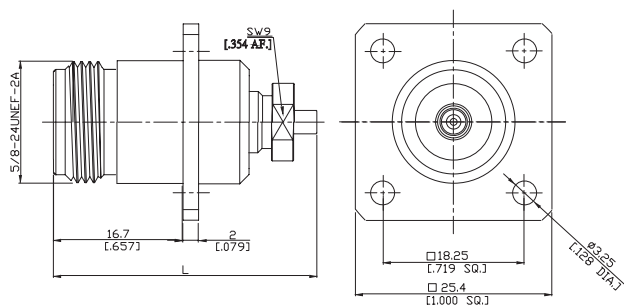


Cable Group	P/N	L	Mounting Dimension
R14	N2KBF50-0085A/H4	25.5	MD16
R16	N2KBF50-0141A/H4	24.5	MD16
R17	N2KBF50-0250A/H4	22.62	MD16

Straight Panel Cable Jack, 4 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Solder Clamp

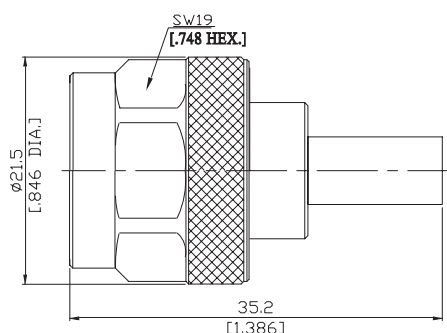


Cable Group	P/N	L	Mounting Dimension
R14	N2KBF50-0085B/H4	34	MD16
R16	N2KBF50-0141B/H4	33	MD16
R17	N2KBF50-0250B/H4	31.12	MD16

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp



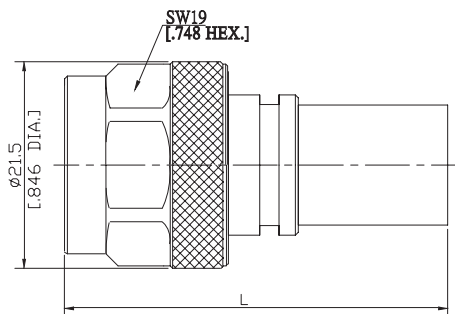
Cable Group	P/N	Crimp Insert
R01	N1C50-G058A/144	CI-G58A
R02	N1C50-G142A/144	CI-G58A

N Series - Cable Connectors

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp

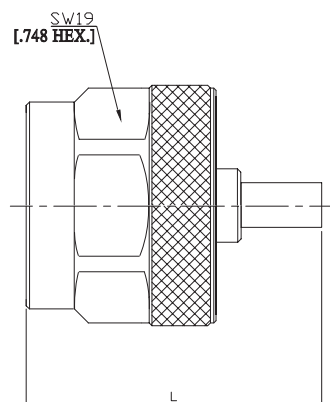


Cable Group	P/N	Crimp Insert	L
R05	N1C50-G008A/144	CI-G214A	39.25
R05	N1C50-G213A/144	CI-G214A	39.8
R06	N1C50-G214A/144	CI-G214A	39.3

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp

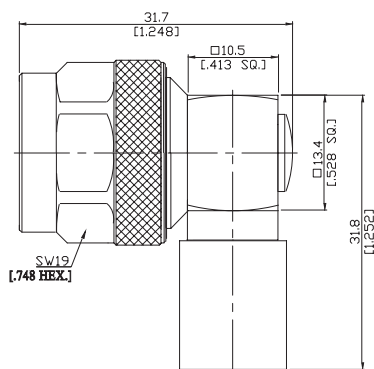


Cable Group	P/N	Crimp Insert	L
R10	N1C50-G316A/144	CI-G316A	26.4
R11	N1C50-D316A/144	CI-G316A	26.6

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

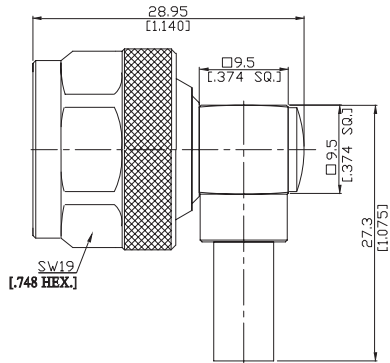


Cable Group	P/N	Crimp Insert
R05	N1C59-G008A/144	CI-G214A

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

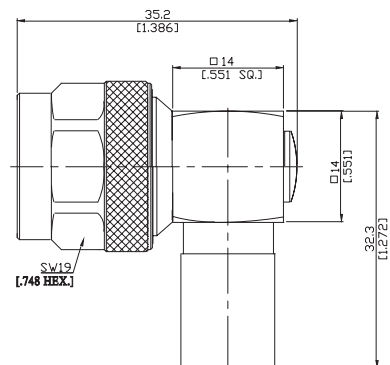


Cable Group	P/N	Crimp Insert
R01	N1C59-G058A/144	CI-G58A
R02	N1C59-G142A/144	CI-G58A

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

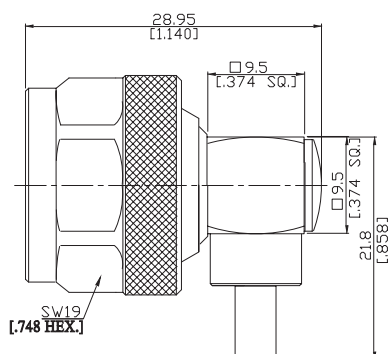


Cable Group	P/N	Crimp Insert
R05	N1C59-G213A/144	CI-G214A
R06	N1C59-G214A/144	CI-G214A

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp



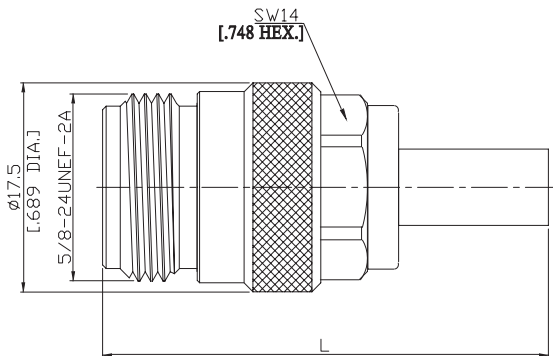
Cable Group	P/N	Crimp Insert
R10	N1C59-G316A/144	CI-G316A
R11	N1C59-D316A/144	CI-G316A

N Series - Cable Connectors

Straight Cable Jack

Flexible Cable

ROSNOL Full Crimp

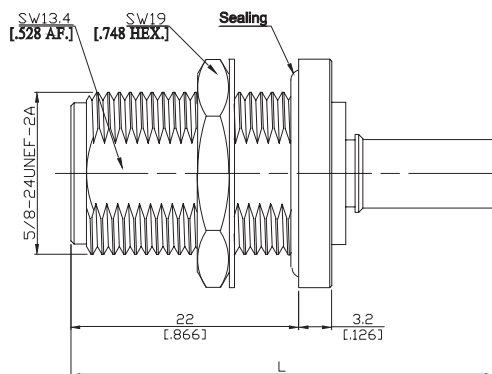


Cable Group	P/N	Crimp Insert	L
R01	N2C50-G058A/H4	CI-G58A	37.8
R02	N2C50-G142A/H4	CI-G58A	37.8
R05	N2C50-G213A/H4	CI-G214A	40.6
R06	N2C50-G214A/H4	CI-G214A	40.6
R10	N2C50-G316A/H4	CI-G316A	32.1
R11	N2C50-D316A/H4	CI-G316A	32.3

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

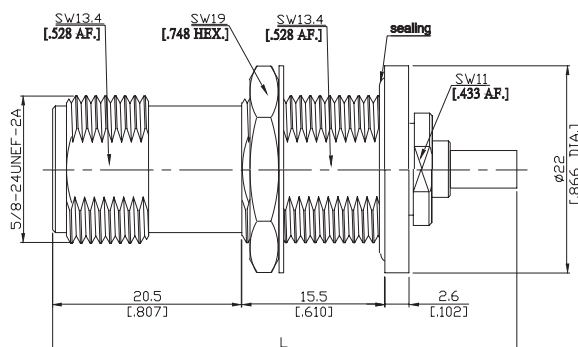


Cable Group	P/N	Crimp Insert	L	Mounting Dimension
R01	N2CA50-G058A/H4	CI-G58A	40.9	MD5
R02	N2CA50-G142A/H4	CI-G58A	40.9	MD5
R05	N2CA50-G213A/H4	CI-G214A	43.7	MD5
R06	N2CA50-G214A/H4	CI-G214A	43.7	MD5
R10	N2CA50-G316A/H4	CI-G316A	35.2	MD5
R11	N2CA50-D316A/H4	CI-G316A	35.4	MD5

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

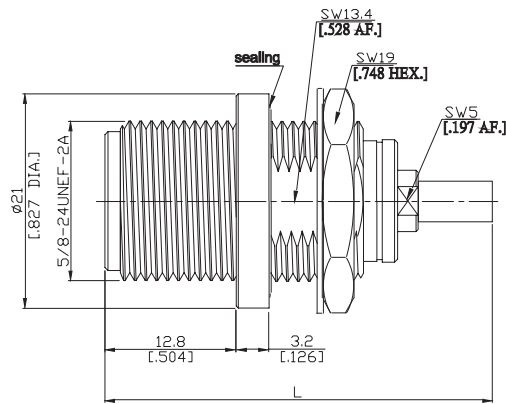


Cable Group	P/N	Crimp Insert	L	Mounting Dimension
R01	N2CA50-G058B/H4	CI-G58A	56	MD5
R02	N2CA50-G142B/H4	CI-G58A	56	MD5
R05	N2CA50-G213B/H4	CI-G214A	58.8	MD5
R06	N2CA50-G214B/H4	CI-G214A	58.8	MD5
R10	N2CA50-G316B/H4	CI-G316A	50.3	MD5
R11	N2CA50-D316B/H4	CI-G316A	50.5	MD5

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

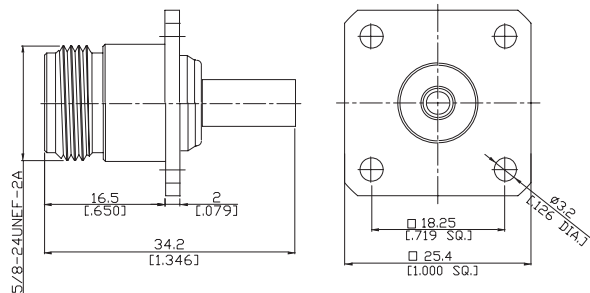


Cable Group	P/N	Crimp Insert	L	Mounting Dimension
R01	N2CA50-G058C/H4	CI-G58A	43.45	MD5
R02	N2CA50-G142C/H4	CI-G58A	43.45	MD5
R05	N2CA50-G213C/H4	CI-G214A	46.25	MD5
R06	N2CA50-G214C/H4	CI-G214A	46.25	MD5
R10	N2CA50-G316C/H4	CI-G316A	37.75	MD5
R11	N2CA50-D316C/H4	CI-G316A	37.95	MD5

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp

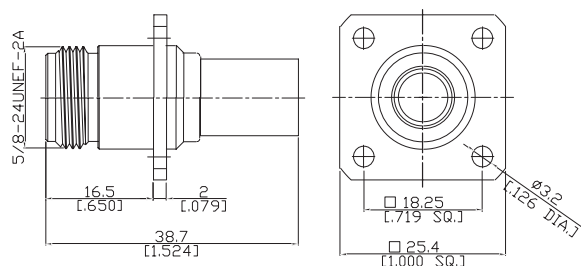


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	N2CBF50-G058A/H4	CI-G58A	MD14
R02	N2CBF50-G142A/H4	CI-G58A	MD14

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp



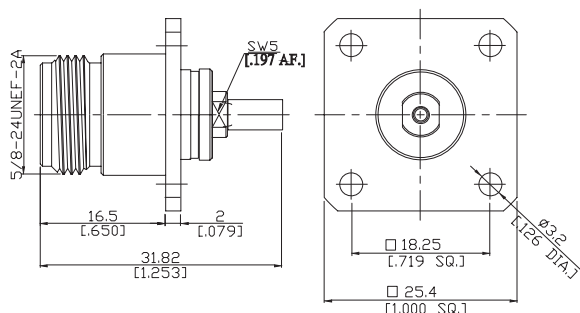
Cable Group	P/N	Crimp Insert	Mounting Dimension
R05	N2CBF50-G213A/H4	CI-G214A	MD14
R06	N2CBF50-G214A/H4	CI-G214A	MD14

N Series - Cable Connectors

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNO L Full Crimp



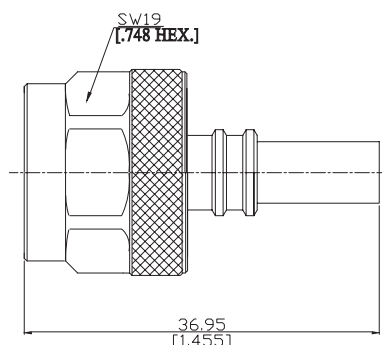
Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	N2CBF50-G316A/H4	CI-G316A	MD16
R11	N2CBF50-D316A/H4	CI-G316A	MD16

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



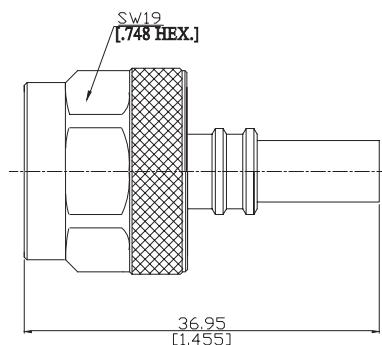
Cable Group	P/N	Crimp Insert
R01	N1C50-R195A/144	CI-G58A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



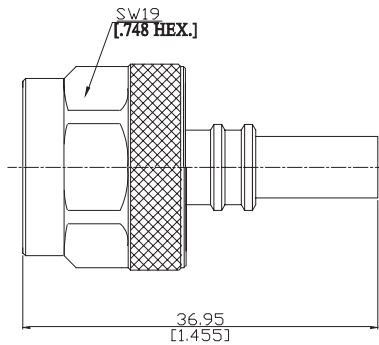
Cable Group	P/N	Crimp Insert
R38	N1C50-R200A/144	CI-G58A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



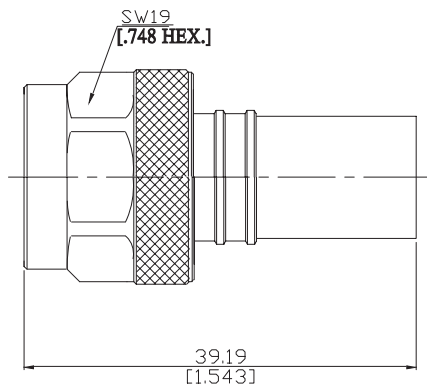
Cable Group	P/N	Crimp Insert
R39	N1C50-R240A/144	CI-G59A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



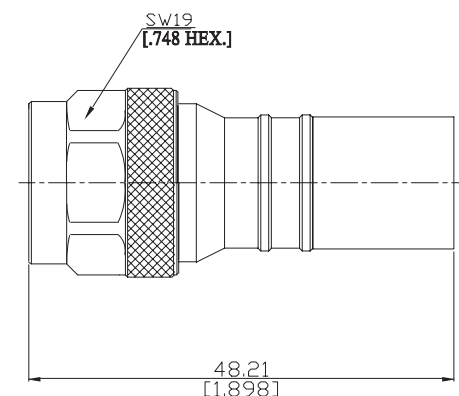
Cable Group	P/N	Crimp Insert
R41	N1C50-R400A/144	CI-R400A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



Cable Group	P/N	Crimp Insert
R43	N1C50-R500A/144	CI-R500A

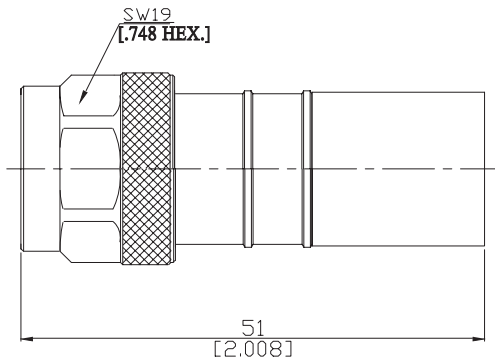
N Series - Cable Connectors

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



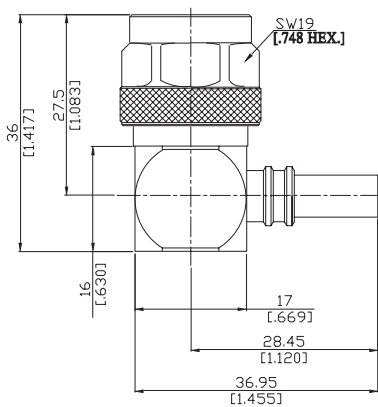
Cable Group	P/N	Crimp Insert
R42	N1C50-R600A/144	CI-R600A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



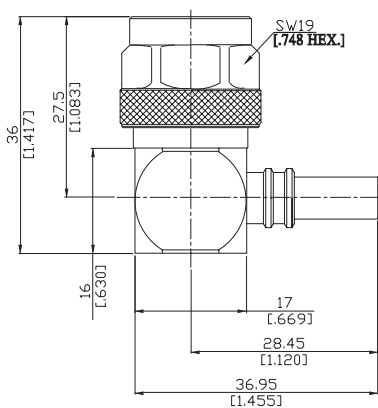
Cable Group	P/N	Crimp Insert
R38	N1C59-R200A/144	CI-G58A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

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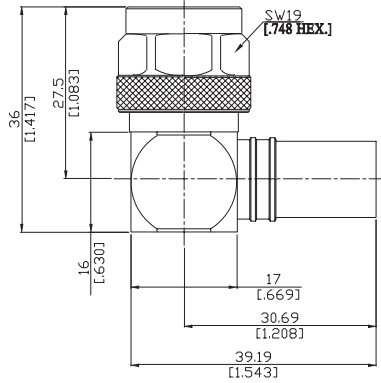
Cable Group	P/N	Crimp Insert
R39	N1C59-R240A/144	CI-G59A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

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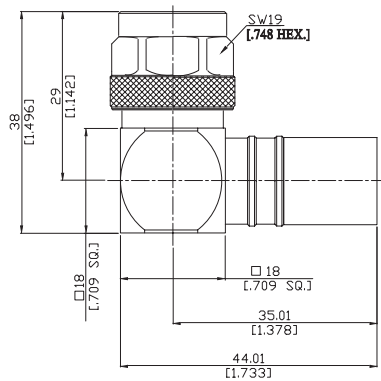
Cable Group	P/N	Crimp Insert
R41	N1C59-R400A/144	CI-R400A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

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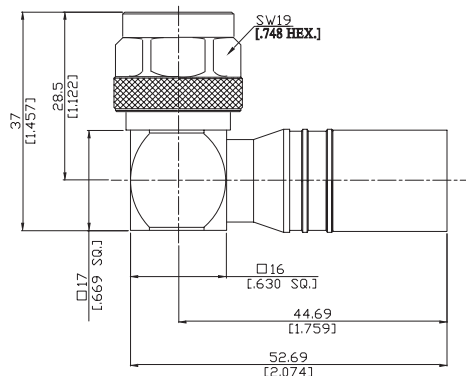
Cable Group	P/N	Crimp Insert
R43	N1C59-R500A/144	CI-R500A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

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Cable Group	P/N	Crimp Insert
R42	N1C59-R600A/144	CI-R600A

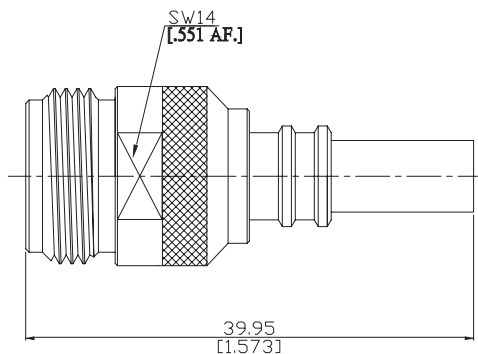
N Series - Cable Connectors

Straight Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



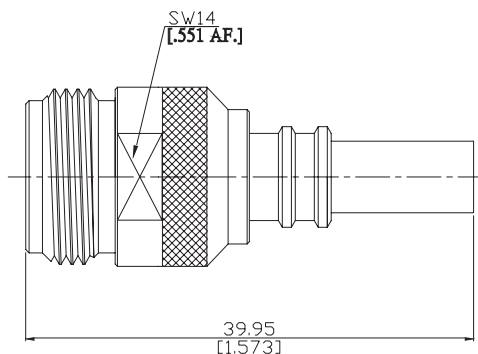
Cable Group	P/N	Crimp Insert
R38	N2C50-R200A/H4	CI-G58A

Straight Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



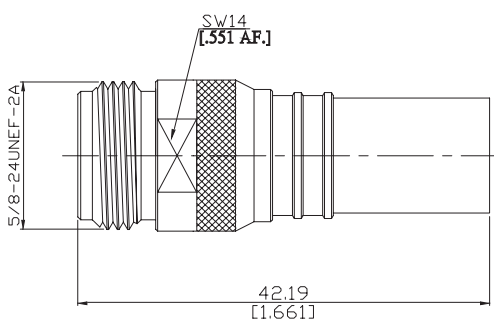
Cable Group	P/N	Crimp Insert
R39	N2C50-R240A/H4	CI-G59A

Straight Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



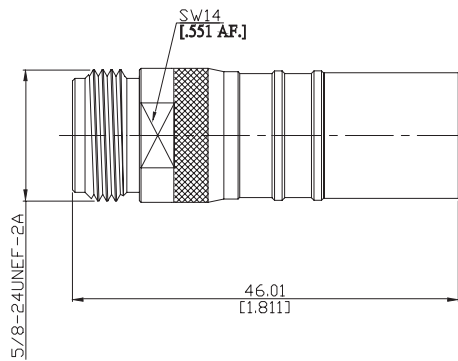
Cable Group	P/N	Crimp Insert
R41	N2C50-R400A/H4	CI-R400A

Straight Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



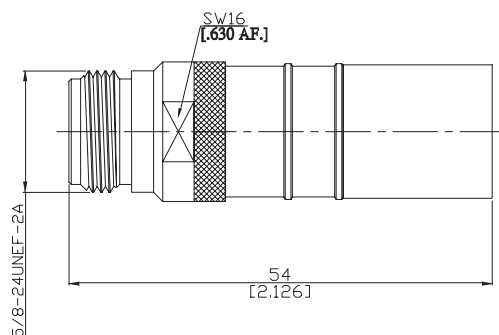
Cable Group	P/N	Crimp Insert
R43	N2C50-R500A/H4	CI-R500A

Straight Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



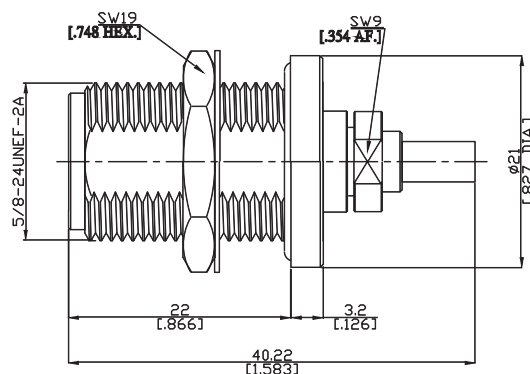
Cable Group	P/N	Crimp Insert
R42	N2C50-R600A/H4	CI-R600A

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



Cable Group	P/N	Crimp Insert	Mounting Dimension
R37	N2CA50-R100A/H4	CI-R100A	MD5

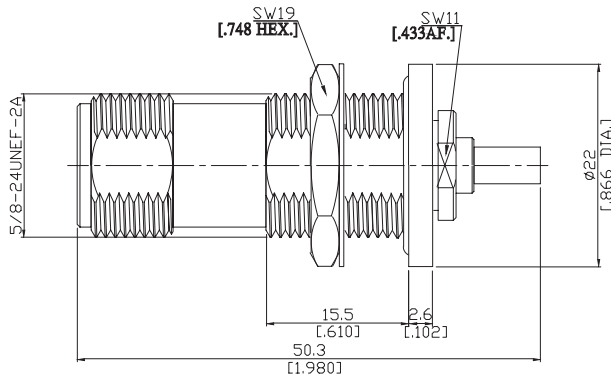
N Series - Cable Connectors

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



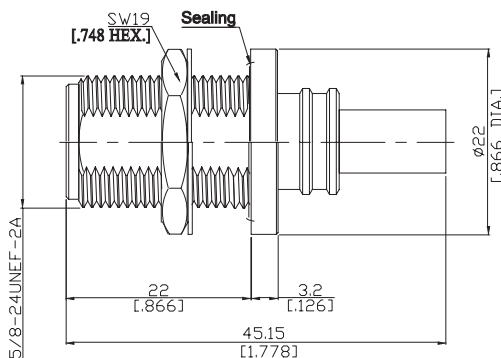
Cable Group	P/N	Crimp Insert	Mounting Dimension
R37	N2CA50-R100B/H4	CI-R100A	MD5

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



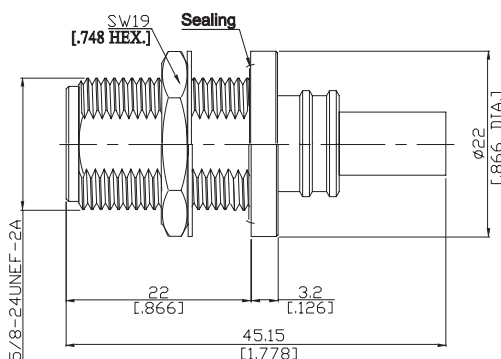
Cable Group	P/N	Crimp Insert	Mounting Dimension
R37	N2CA50-R200A/H4	CI-G58A	MD5

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

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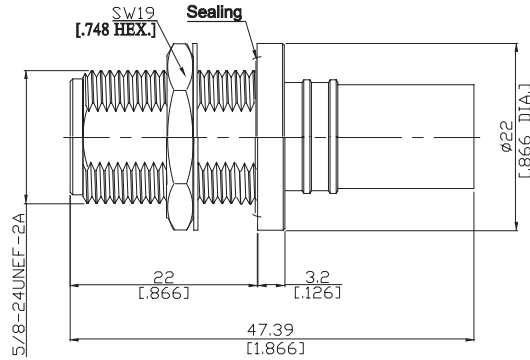
Cable Group	P/N	Crimp Insert	Mounting Dimension
R38	N2CA50-R240A/H4	CI-G59A	MD5

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



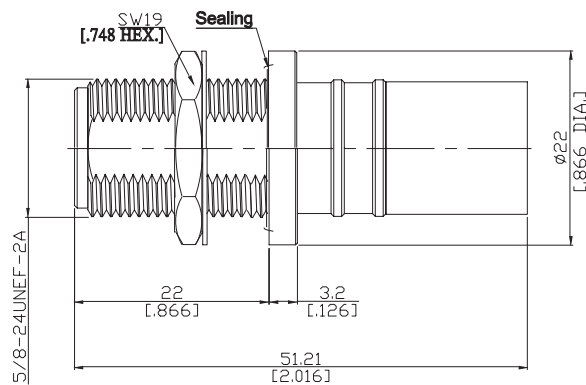
Cable Group	P/N	Crimp Insert	Mounting Dimension
R41	N2CA50-R400A/H4	CI-R400A	MD5

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

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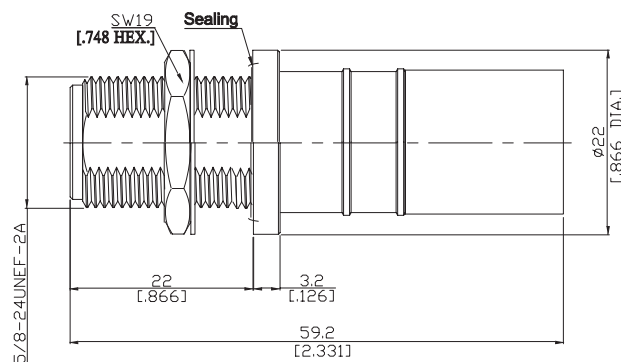
Cable Group	P/N	Crimp Insert	Mounting Dimension
R43	N2CA50-R500A/H4	CI-R500A	MD5

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



Cable Group	P/N	Crimp Insert	Mounting Dimension
R42	N2CA50-R600A/H4	CI-R600A	MD5

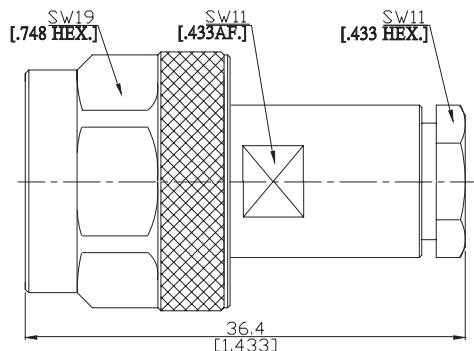
N Series - Cable Connectors

Straight Cable Plug

LMR Cable

Center Contact: Soldered
Cable Entry: Clamp

LMR® is a registered trademark of Times Microwave Systems.



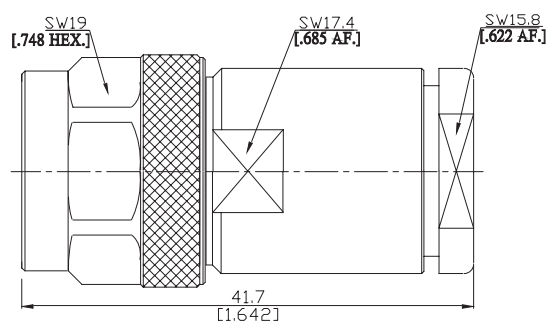
Cable Group	P/N	Crimp Insert
R39	N1D50-R240B/144	CI-G59A

Straight Cable Plug

LMR Cable

Center Contact: Soldered
Cable Entry: Clamp

LMR® is a registered trademark of Times Microwave Systems.



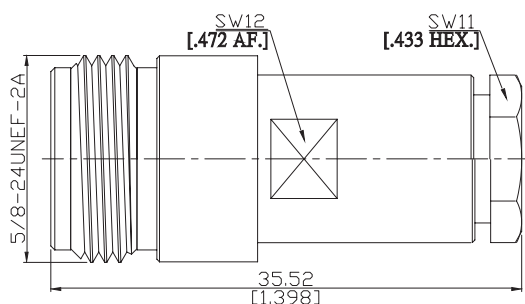
Cable Group	P/N	Crimp Insert
R41	N1D50-R400B/144	CI-R400A

Straight Cable Jack

LMR Cable

Center Contact: Soldered
Cable Entry: Clamp

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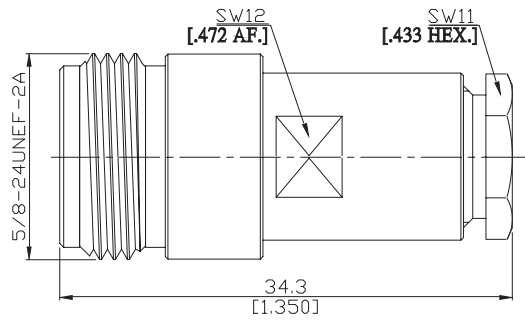
Cable Group	P/N	Crimp Insert
R38	N2D50-R200C/H4	CI-G58A

Straight Cable Jack

LMR Cable

Center Contact: Soldered
Cable Entry: Clamp

LMR® is a registered trademark of Times Microwave Systems.



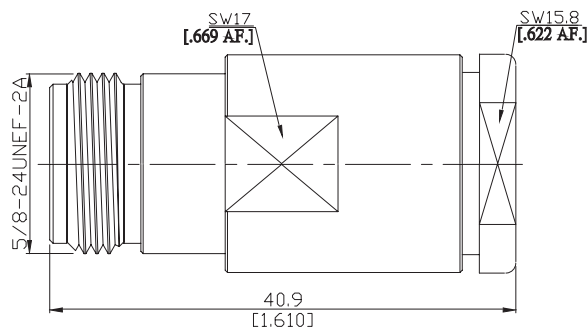
Cable Group	P/N	Crimp Insert
R39	N2D50-R240A/H4	CI-G59A

Straight Cable Jack

LMR Cable

Center Contact: Soldered
Cable Entry: Clamp

LMR® is a registered trademark of Times Microwave Systems.



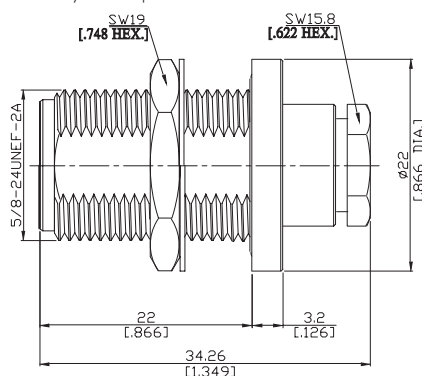
Cable Group	P/N	Crimp Insert
R41	N2D50-R400A/H4	CI-R400A

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Soldered
Cable Entry: Clamp

LMR® is a registered trademark of Times Microwave Systems.



Cable Group	P/N	Crimp Insert
R38	N2DA50-R200B/H4	CI-G58A

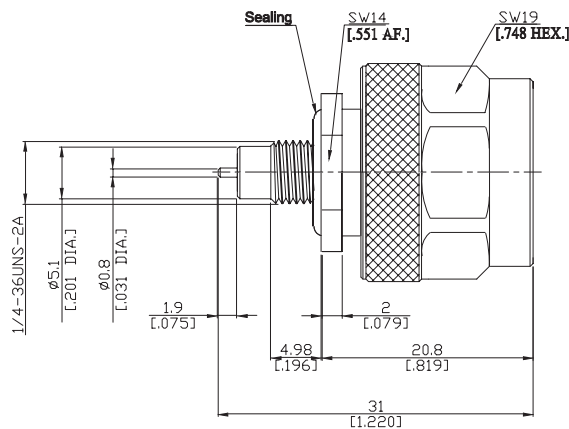
Bulkhead Connectors



N Series - Bulkhead Connectors

Straight Bulkhead Receptacle Plug

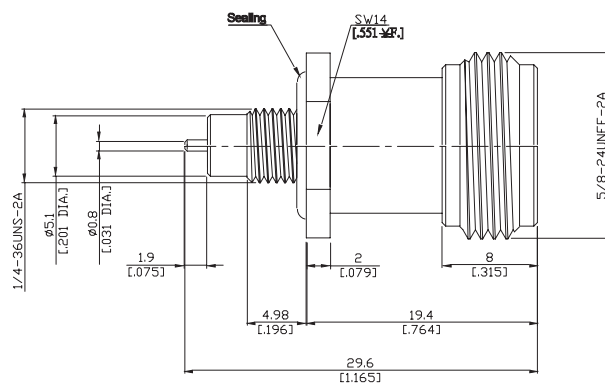
Coaxial End



P/N	Mounting Dimension
N1FA50-3100A/144	MD28

Straight Bulkhead Receptacle Jack

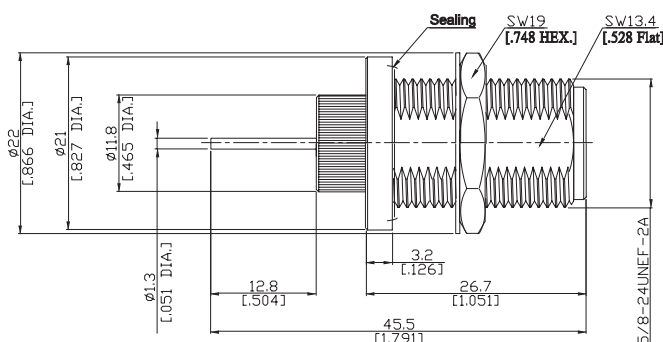
Coaxial End



P/N	Mounting Dimension
N2FA50-2960A/H4	MD50

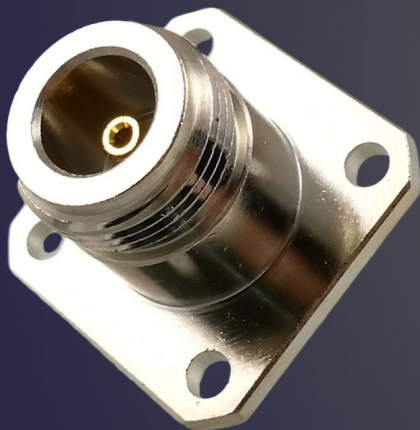
Straight Bulkhead Receptacle Jack

Coaxial End



P/N	Mounting Dimension
N2FA50-4550A/H4	MD5

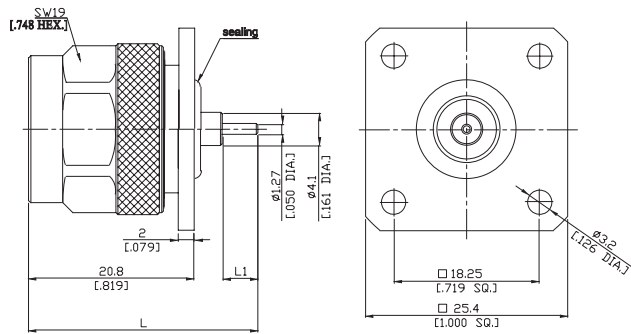
Panel Connectors



N Series - Panel Connectors

Straight Panel Receptacle Plug, 4 Hole Flange

Coaxial End

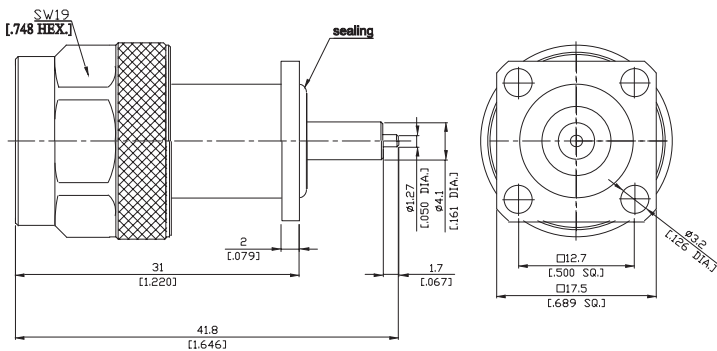


P/N	L	L1	D	Mounting Dimension
N1GFA50-2880A/144	28.8	4.5	4.1	MD70
N1GFA50-2890A/144	28.9	2	4.1	MD70
N1GFA50-3160A/144 ¹⁾	31.6	1	4.7	MD74

1) Brass, Copper-Tin-Zinc Alloy Plating Over PTFE Dielectric

Straight Panel Receptacle Plug, 4 Hole Flange

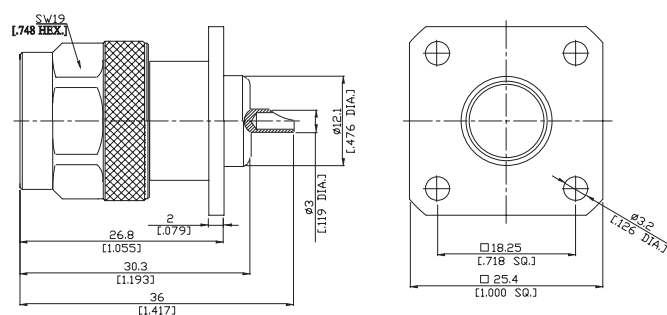
Coaxial End



P/N	Mounting Dimension
N1GFA50-4180A/144	MD66

Straight Panel Receptacle Plug, 4 Hole Flange

Solder End

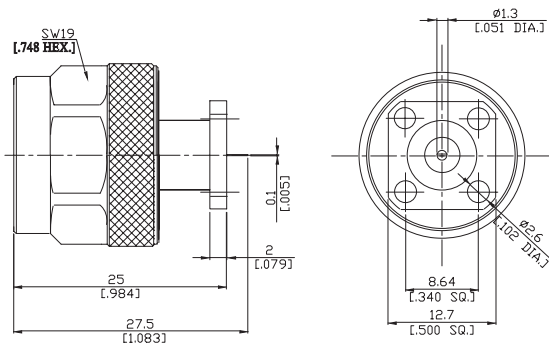


P/N	Mounting Dimension
N1GFB50-3600A/144	MD16

N Series - Panel Connectors

Straight Panel Receptacle Plug, 4 Hole Flange

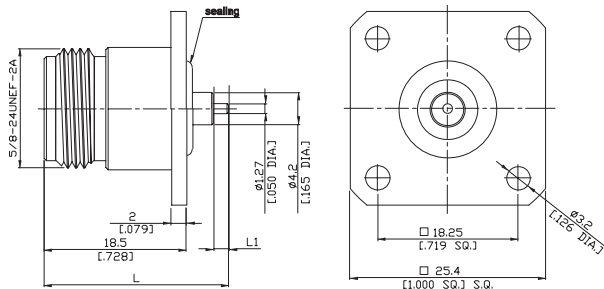
Flat End



P/N	Mounting Dimension
N1GFD50-2750A/H44	MD71

Straight Panel Receptacle Jack, 4 Hole Flange

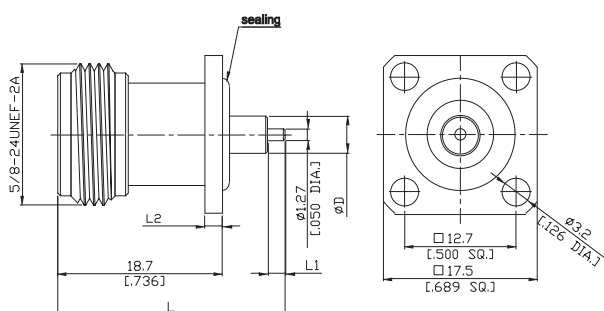
Coaxial End



P/N	L	L1	Mounting Dimension
N2GFA50-2400A/H4	24	2	MD70
N2GFA50-2650B/H4	26.5	4.5	MD70

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End



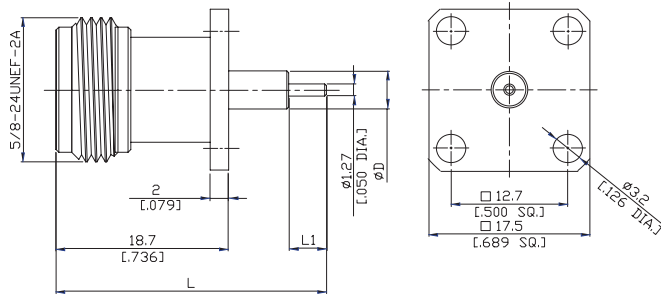
P/N	L	L1	L2	D	Mounting Dimension
N2GFA50-2580A/H4	25.8	2	2	4.1	MD66
N2GFA50-2720A/H4	27.2	2	2.1	4.1	MD66
N2GFA50-2950A/H4	29.5	4.3	2.1	4.1	MD66
N2GFA50-2950B/H4	29.5	1.7	2	4.1	MD66
N2GFA50-2970A/H4	29.7	1.9	2	4.1	MD66
N2GFA50-3330A/H4	33.3	3.17	2	4.1	MD66
N2GFA50-3370A/H4 ¹⁾	33.7	5	2.1	4.7	MD69
N2GFA50-4150A/H4	41.5	4.3	2	4.1	MD66

1) Brass, Copper-Tin-Zinc Alloy Plating Over PTFE Dielectric

N Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

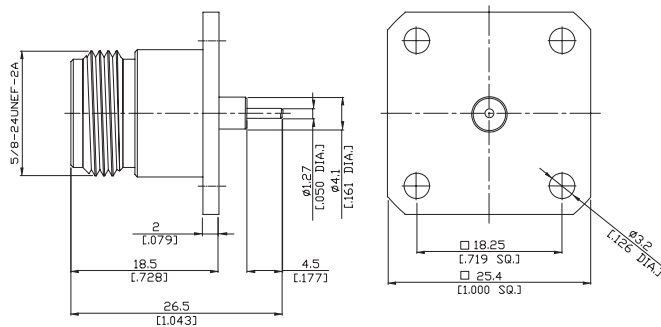


P/N	L	L1	D	Mounting Dimension
N2GFA50-2930A/H4	29.3	4.1	4.1	MD66
N2GFA50-3081A/H4	30.81	3.17	4.1	MD66
N2GFA50-3370B/H4 ¹⁾	33.7	5	4.7	MD69

1) Brass, Copper-Tin-Zinc Alloy Plating Over PTFE Dielectric

Straight Panel Receptacle Jack, 4 Hole Flange

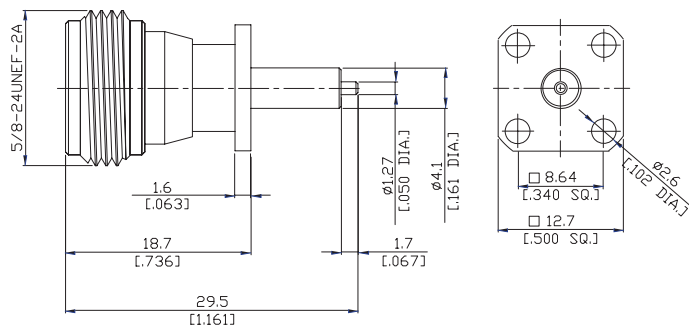
Coaxial End



P/N	Mounting Dimension
N2GFA50-2650A/H4	MD70

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

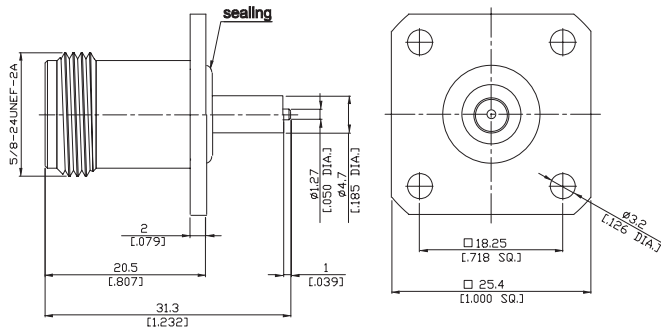


P/N	Mounting Dimension
N2GFA50-2950D/H4	MD71

N Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

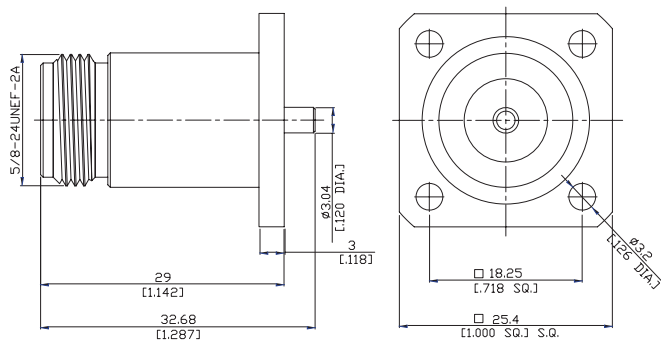
Coaxial End



P/N	Mounting Dimension
N2GFA50-3130A/H4	MD72

Straight Panel Receptacle Jack, 4 Hole Flange

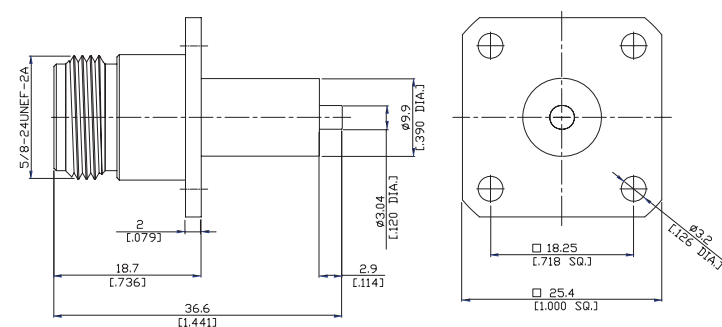
Coaxial End



P/N	Mounting Dimension
N2GFA50-3268A/H4	MD73

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

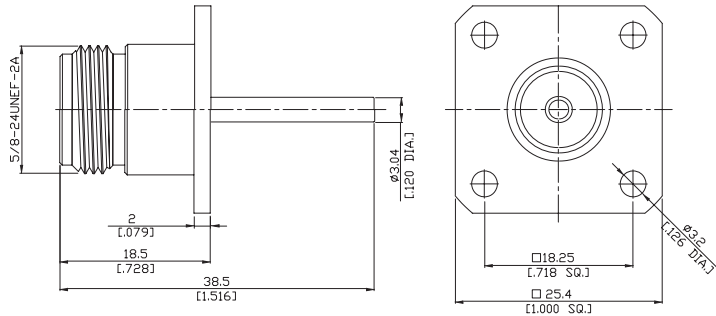


P/N	Mounting Dimension
N2GFA50-3660A/H4	MD73

N Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

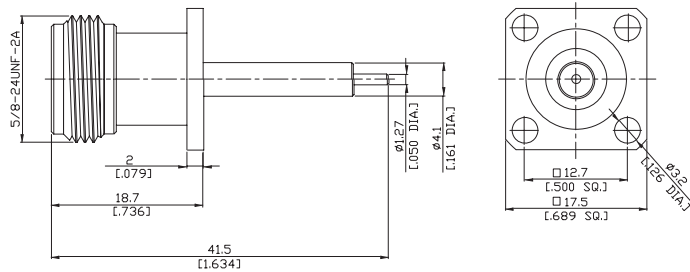
Coaxial End



P/N	Mounting Dimension
N2GFA50-3850A/H4	MD73

Straight Panel Receptacle Jack, 4 Hole Flange

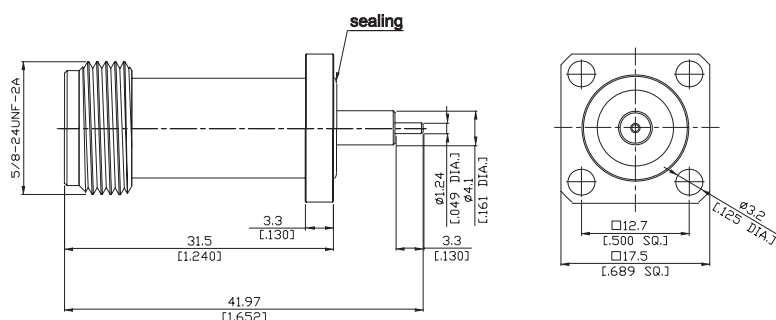
Coaxial End



P/N	Mounting Dimension
N2GFA50-4150B/H4	MD66

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End

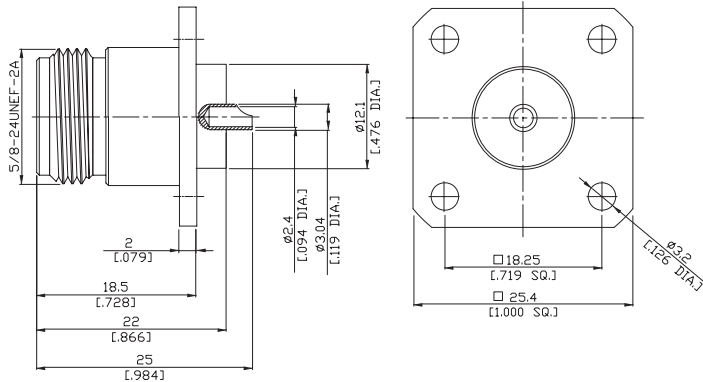


P/N	Mounting Dimension
N2GFA50-4197A/94	MD41

N Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

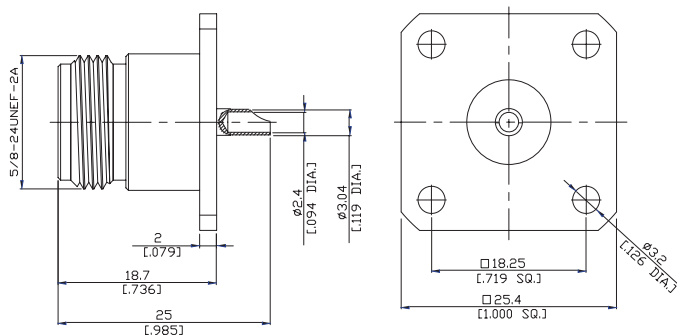
Solder End



P/N	Mounting Dimension
N2GFB50-2500A/H4	MD16

Straight Panel Receptacle Jack, 4 Hole Flange

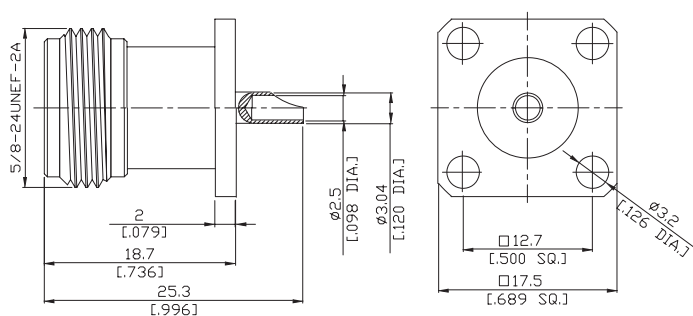
Solder End



P/N	Mounting Dimension
N2GFB50-2500B/H4	MD73

Straight Panel Receptacle Jack, 4 Hole Flange

Solder End

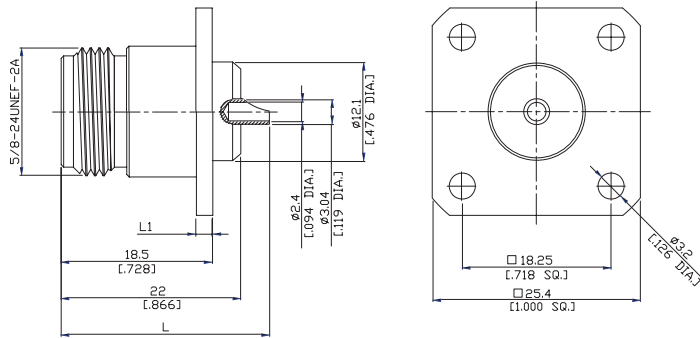


P/N	Mounting Dimension
N2GFB50-2530A/H4	MD41

N Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

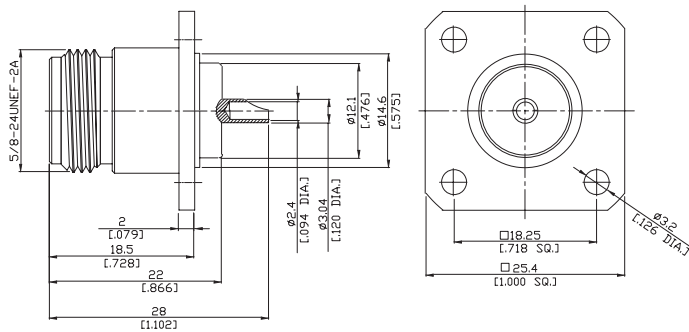
Solder End



P/N	L	L1	Mounting Dimension
N2GFB50-2550A/H4	25.5	2	MD16
N2GFB50-2800A/H4	28	1.8	MD16
N2GFB50-2827A/H4	28.27	2	MD16

Straight Panel Receptacle Jack, 4 Hole Flange

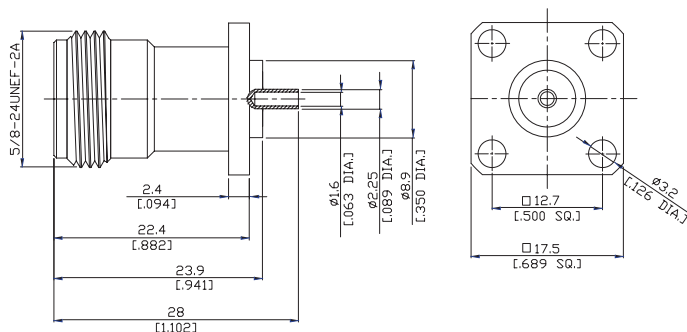
Solder End



P/N	Mounting Dimension
N2GFB50-2800B/H4	MD16

Straight Panel Receptacle Jack, 4 Hole Flange

Solder End

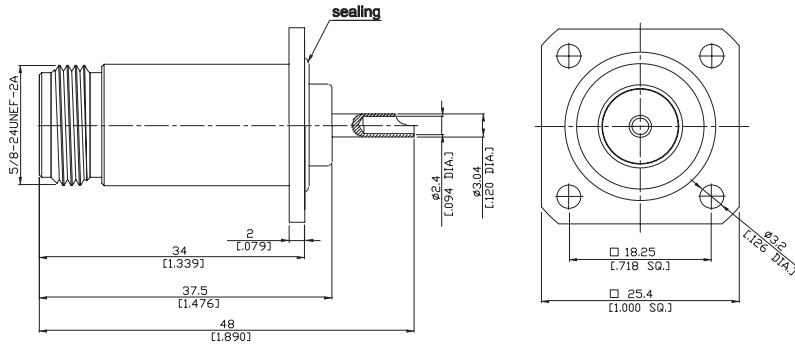


P/N	Mounting Dimension
N2GFB50-2800C/94	MD15

N Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

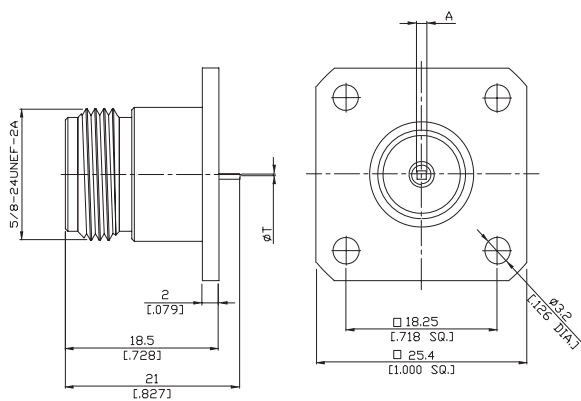
Solder End



P/N	Mounting Dimension
N2GFB50-4800A/94	MD16

Straight Panel Receptacle Jack, 4 Hole Flange

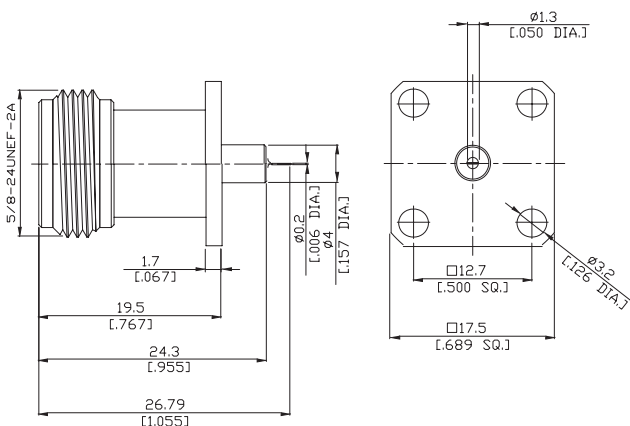
Flat End



P/N	T	A	Mounting Dimension
N2GFD50-2100A/H4	0.2	1.25	MD73
N2GFD50-2100B/94	0.1	3	MD73

Straight Panel Receptacle Jack, 4 Hole Flange

Flat End



P/N	Mounting Dimension
N2GFD50-2679A/H4	MD41

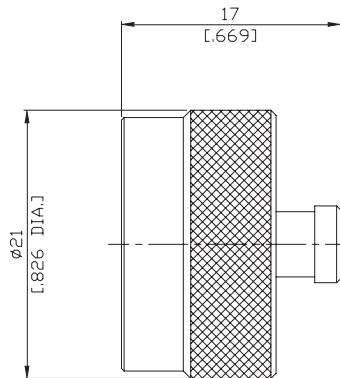
Protective Caps



N Series - Protective Caps

Protective Caps Plug

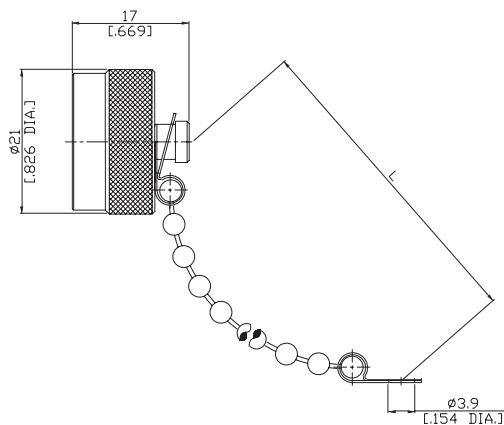
Suitable for 50Ω and 75Ω
Without Chain
For Jacks



P/N
N1A00-1700A/-3
N1A00-1700A/-4

Protective Caps Plug

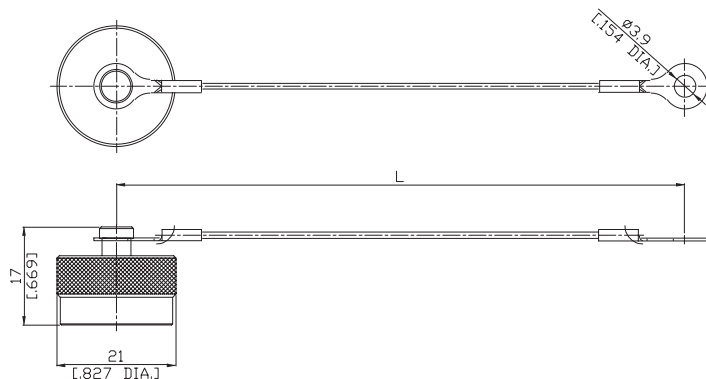
Suitable for 50Ω and 75Ω
With Chain
For Jacks



P/N	L
N1A00-1700A-57/-3	5.7
N1A00-1700A-57/-4	5.7
N1A00-1700A-100/-3	10
N1A00-1700A-100/-4	10
N1A00-1700A-150/-3	15
N1A00-1700A-150/-4	15

Protective Caps Plug

Suitable for 50Ω and 75Ω
With Wire Rope Chain
For Jacks

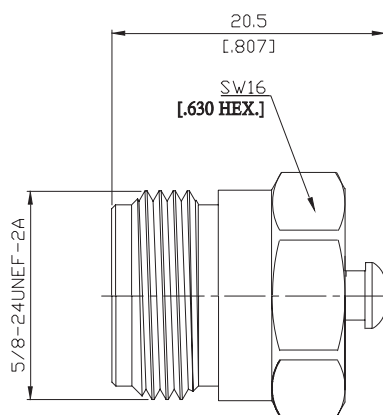


P/N	L
N1A00-1700B-100/-3	10
N1A00-1700B-100/-4	10
N1A00-1700B-150/-3	15
N1A00-1700B-150/-4	15

N Series - Protective Caps

Protective Caps Jack

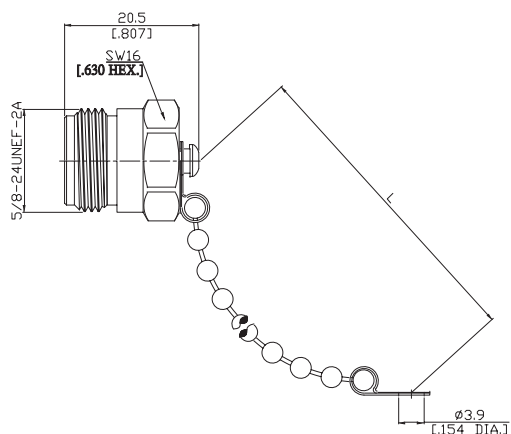
Suitable for 50Ω and 75Ω
Without Chain
For Plugs



P/N
N2A00-2050A/-3
N2A00-2050A/-4

Protective Caps Jack

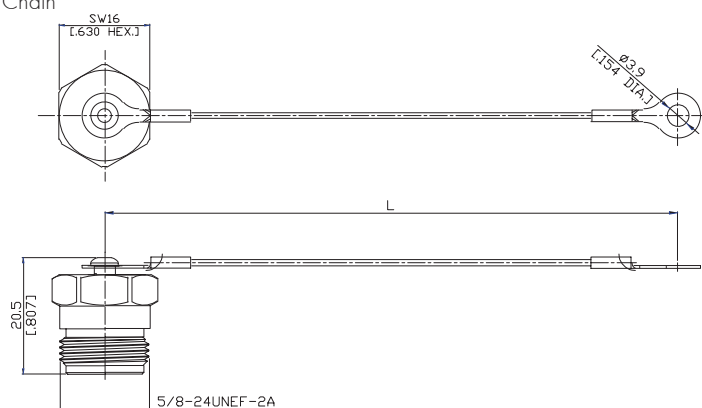
Suitable for 50Ω and 75Ω
With Chain
For Plugs



P/N	L
N2A00-2050A-57/-3	5.7
N2A00-2050A-57/-4	5.7
N2A00-2050A-100/-3	10
N2A00-2050A-100/-4	10
N2A00-2050A-150/-3	15
N2A00-2050A-150/-4	15

Protective Caps Jack

Suitable for 50Ω and 75Ω
With Wire Rope Chain
For Plugs



P/N	L
N2A00-2050B-100/-3	10
N2A00-2050B-100/-4	10
N2A00-2050B-150/-3	15
N2A00-2050B-150/-4	15

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Precision N



ROSNOL Precision N connectors are 50 Ω connectors with an outer diameter of 7 mm.

They have been designed with excellent data over the full frequency range up to 18 GHz.

ROSNOL Precision N connectors conform to the following specifications:

- IEEE-287-2007
- IEC 60169-16
- MIL-STD 348B/402

ROSNOL Precision N connectors are mechanically compatible with all 50 Ω

ROSNOL Precision N and ROSNOL RPC7 connector heads using the same dielectric bead type are interchangeable.

Coupling between 50 Ω and 75 Ω is not possible.

Precision N 50 Ω is not interchangeable with all 75 Ω N type connectors.

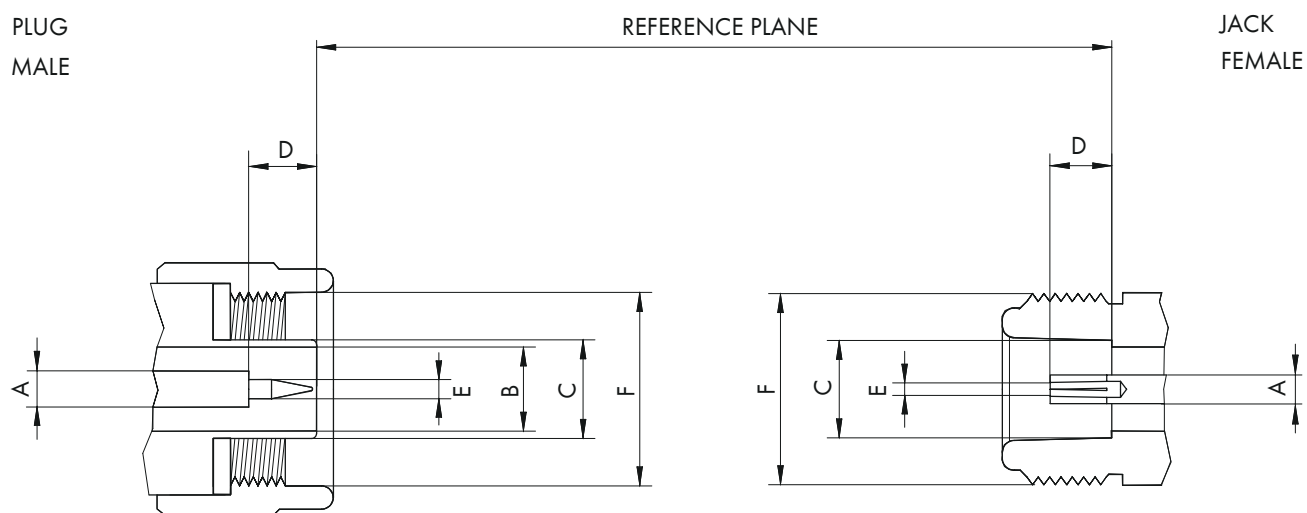
■ Features

- Interface according to IEEE-287-2007, IEC 60169-16,
- MIL-STD 348 B/402
- Impedance 50 Ω
- Frequency range up to 18 GHz
- Screw-on coupling

■ Applications

- Antennas
- Aerospace
- Base Stations
- Broadcast
- Cable Assembly
- Cellular
- Cellular Assembly
- Components
- Instrumentation
- Microwave Radio
- Military
- Radar
- Satellite Communication Equipment (SATCOM)
- Surge Protection
- Telecommunications
- WLAN

Interface Dimensions Precision N



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 3.03/0.119	Ø 3.05/0.120	Ø 3.03/0.119	Ø 3.05/0.120
B	Ø 6.99/0.275	Ø 7.01/0.276	Ø 6.99/0.275	Ø 7.01/0.276
C	Ø 7.98/0.314	Ø 8.02/0.316	Ø 8.05/0.317	Ø 8.10/0.319
D	5.28/0.208	5.36/0.211	5.18/0.204	5.26/0.207
E	Ø 1.64/0.065	Ø 1.66/0.065	Ø 1.68/0.066	Ø 1.71/0.067
F	5/8-24 UNEF-2B		5/8-24 UNEF-2A	

-Features

Interface according to IEEE-287-2007, IEC 60169-16,
MIL-STD 348 B/402
Impedance 50 Ω
Frequency range up to 18 GHz
Screw-on coupling

-Product Range

Cable connectors
Adaptors
Further connectors available on request.

Applicable standards	
Interface according to	IEEE-287-2007, IEC 61169-16, MIL-STD 348B/402
Electrical data	
Impedance	50 Ω
Frequency range	DC to 18 GHz
VSWR / Return loss (connector head)	≤ 1.2 / ≥ 20.8 dB
Insertion loss	≤ 0.05 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 1.0 mΩ
Test voltage	2500 V rms
Working voltage	1000 V rms
RF-leakage- Interface	≥ 90 dB up to 1 GHz
Mechanical data	
Mating cycles	≥ 500
Center contact captivation	≥ 28 N
Coupling torque recommended	0.70 Nm to 1.10Nm
Coupling test torque	1.70 Nm
Environmental data	
Temperature range	-40 °C to +85 °C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion resistance	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
Max. soldering temperature	IEC 61760-1, +260 °C for 10 sec.
Materials	
Center contact	Beryllium copper, gold-plated
Outer contact	Stainless steel, passivated
Dielectric	PS

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

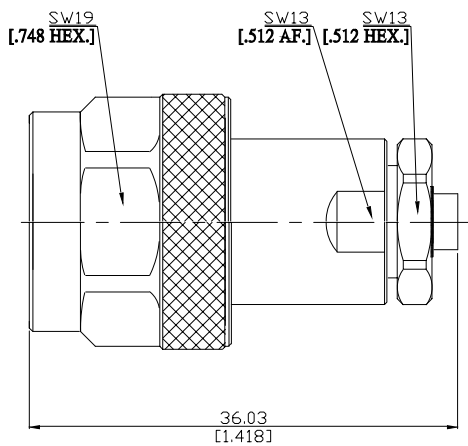
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

Cable Connectors



Straight Cable Plug

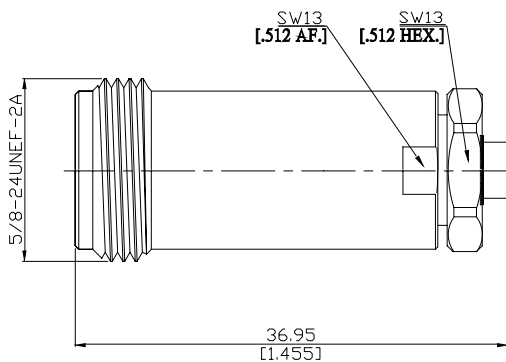
Semi-Rigid Cable



Cable Group	P/N
R14	PCN1K50-0085A/9XX
R16	PCN1K50-0141A/9XX
R17	PCN1K50-0250A/9XX

Straight Cable Jack

Semi-Rigid Cable

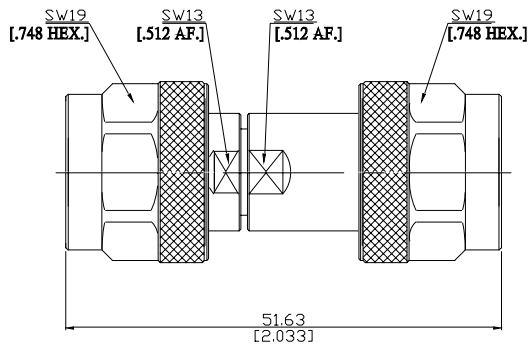


Cable Group	P/N
R14	PCN2K50-0085A/9X
R16	PCN2K50-0141A/9X
R17	PCN2K50-0250A/9X

Adaptors



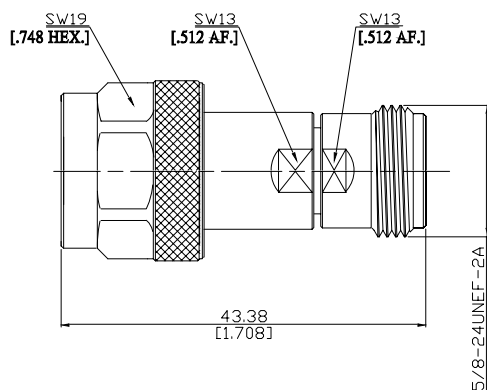
Precision N Plug to Precision N Plug



P/N

AD-PCN1PCN15A/9XX-9XX

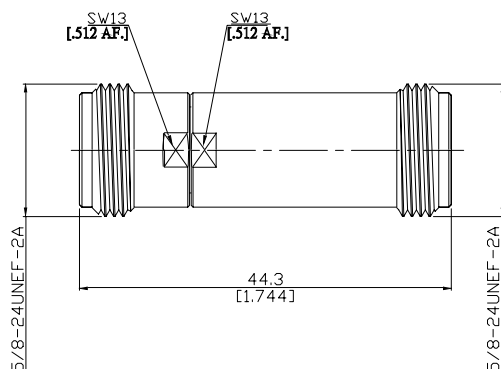
Precision N Plug to Precision N Jack



P/N

AD-PCN1PCN25A/9XX-9X

Precision N Jack to Precision N Jack



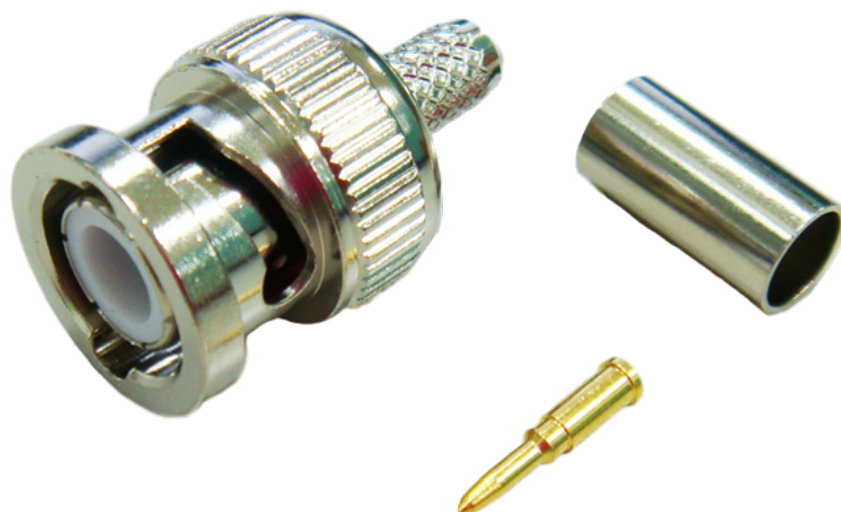
P/N

AD-PCN2PCN25A/9X-9X

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 Precision NThis image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

BNC



The BNC series is the most commonly used coax connector.

With its bayonet coupling mechanism.

The bayonet connection often is chosen as coupling when it is important to have a sturdy mechanism and at the same time fast mating.

This connector can be used up to 4 GHz.

Both 50 Ω and 75 Ω impedances are available.

Connector styles are available for flexible, conformable and semi-rigid cable types.

Versions of the BNC connector are available for mounting to printed circuit boards using both through-hole soldered and through-hole press-fit techniques.

ROSNOL full crimp, clamp and solder cable entry processes are used for this series. BNC connectors are used for Antennas, Broadcast (75 Ω), Telecommunications, Automotive, Computers/LANs, Medical Equipment, Satcom, Base Stations, Cable Modems, Instrumentation and Mil-Aero applications.

Mating face sealing for BNC connectors between plug (male) and jack (female) mated according to International Protection Marking IP 54.

The classifications are general statements for the relevant series.

Individual connectors may deviate from the values shown.

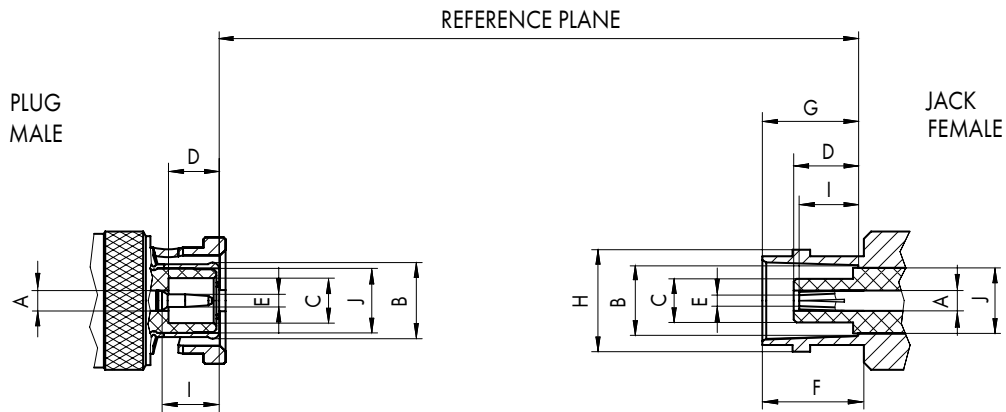
If in doubt, please consult ROSNOL sales representative.

■ Features

- Interface according to MIL-STD-348B/301, IEC 60169-8
- Impedance 50 Ω
- Frequency range DC to 4 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Bayonet-lock coupling

■ Applications

- | | |
|---------------------------|---------------------|
| • Antennas | • Instrumentation |
| • Automotive | • Medical Equipment |
| • Base Stations | • Military Aero |
| • Broadcast - 75 Ω | • Satcom |
| • Cable Modems | • Telecom |
| • Computers/LANs | |



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 2.14/0.084 nom.		Ø 2.14/0.084	
B	1)		Ø 8.10/0.319	Ø 8.15/0.321
C	4.83/0.190	-	-	Ø 4.72/0.186
D	5.28/0.208	-	-	5.28/0.208
E	Ø 1.32/0.052	Ø 1.37/0.054	1)	
F	-	-	10.52/0.414	-
G	-	-	8.31/0.327	8.51/0.335
H	-	-	10.97/0.432	11.07/0.436
I	5.33/0.210	-	4.55/0.179	5.23/0.206
K	Ø 7.00/0.276 nom.		Ø 7.00/0.276 nom.	

1) Resilient, dimension to meet electrical and mechanical requirements.

-Features

Interface according to MIL-STD-348B/301, IEC 60169-8
 Impedance 50 Ω
 Frequency range DC to 4 GHz
 Return loss (cable connector straight) ≥ 20 dB (typ.)
 Bayonet-lock coupling

-Product Range

Cable connectors
 Bulkhead connectors
 Panel connectors (coaxial and solder end type)
 PCB connectors
 Panel connectors
 Adaptors
 Terminations
 Tools & Accessoriess
 Further connectors available on request.

Applicable standards	
Interface according to	MIL-PRF-39012, MIL-STD-348B/301, IEC 60169-8
Electrical data	
Impedance	50Ω
Frequency range	DC to 10 GHz (max.) DC to 4 GHz (opt.)
Return loss (cable connector straight)	≥ 20 dB (typ.)
Insertion loss	≤ 0.1 x √f (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 0.4 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	400 V rms
Power handling	80 W @ 2 GHz
Mechanical data	
Mating cycles	≥500
Center contact captivation	axial: ≥ 27 N
Environmental data	
Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper, Gold plating
Center contact	Pin: Brass, Gold plating or Beryllium Copper, Gold plating Socket: Beryllium Copper, Gold plating
Outer contact	Brass, Nickel / Silver / Copper-Tin-Zinc Alloy Plating
Crimping ferrule	Cu, Copper-Tin-Zinc Alloy Plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

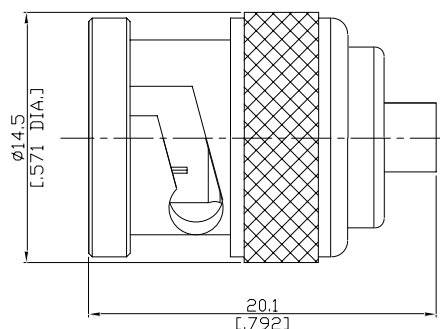
Cable Connectors



Straight Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

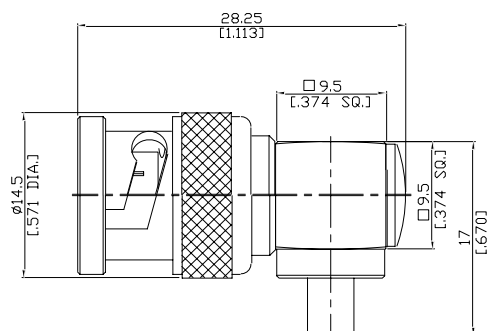


Cable Group	P/N
R14	BNC1E50-0085A/133
R14	BNC1E50-0085A/144
R16	BNC1E50-0141A/133
R16	BNC1E50-0141A/144

Right Angle Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

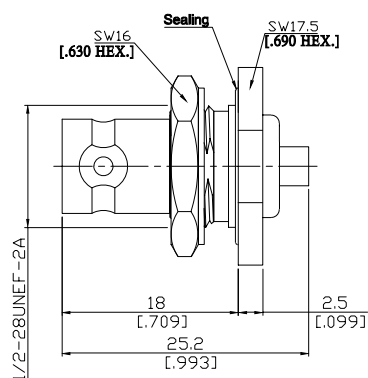


Cable Group	P/N
R14	BNC1E59-0085A/133
R14	BNC1E59-0085A/144
R16	BNC1E59-0141A/133
R16	BNC1E59-0141A/144

Straight Bulkhead Cable Jack

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered



Cable Group	P/N	Mounting Dimension
R14	BNC2EA50-0085A/H3	MD7
R14	BNC2EA50-0085A/H4	MD7
R16	BNC2EA50-0141A/H3	MD7
R16	BNC2EA50-0141A/H4	MD7

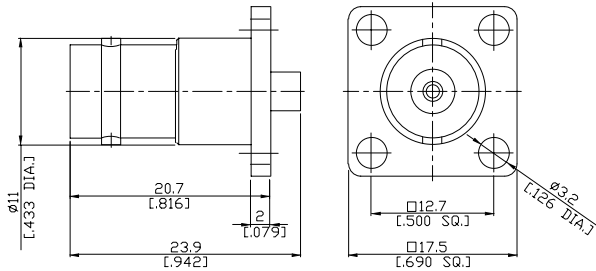
BNC Series - Cable Connectors

BNC

Straight Panel Cable Plug, 4 Hole Flange

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

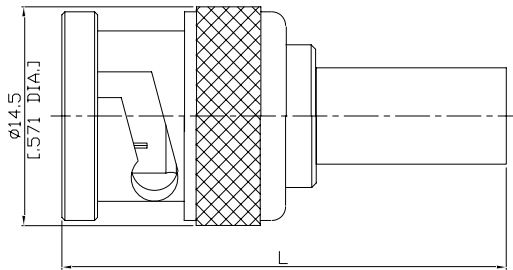


Cable Group	P/N	Mounting Dimension
R14	BNC2EBF50-0085A/H3	MD9
R14	BNC2EBF50-0085A/H4	MD9
R16	BNC2EBF50-0141A/H3	MD9
R16	BNC2EBF50-0141A/H4	MD9

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp

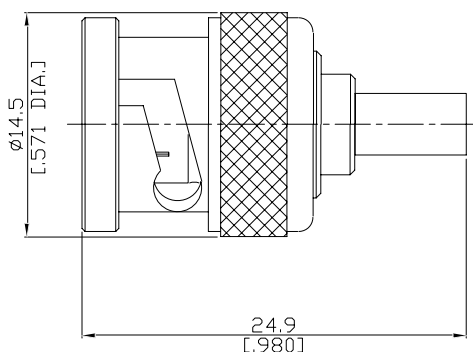


Cable Group	P/N	Crimp Insert	L
R01	BNC1C50-G058A/133	CI-G58A	29.7
R01	BNC1C50-G058A/144	CI-G58A	29.7
R02	BNC1C50-G142A/133	CI-G58A	29.7
R02	BNC1C50-G142A/144	CI-G58A	29.7
R04	BNC1C50-G122A/133	CI-G58A	28.8
R04	BNC1C50-G122A/144	CI-G58A	28.8

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp

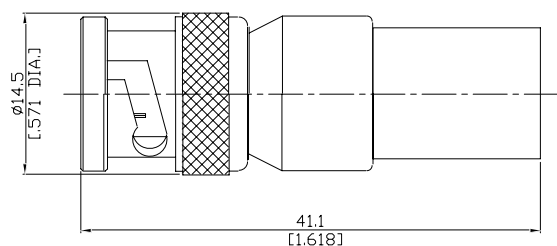


Cable Group	P/N	Crimp Insert
R03	BNC1C50-G178A / 133	CI-G316A
R03	BNC1C50-G178A / 144	CI-G316A
R10	BNC1C50-G316A / 133	CI-G316A
R10	BNC1C50-G316A / 144	CI-G316A
R11	BNC1C50-D316A / 133	CI-G316A
R11	BNC1C50-D316A / 144	CI-G316A

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp

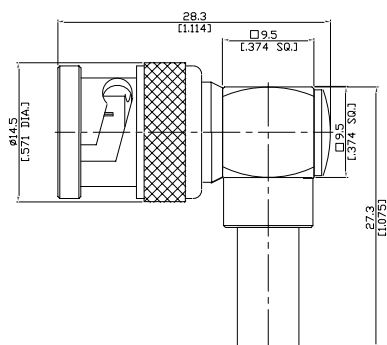


Cable Group	P/N	Crimp Insert
R05	BNC1C50-G213A / 133	CI-G214A
R05	BNC1C50-G213A / 144	CI-G214A

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

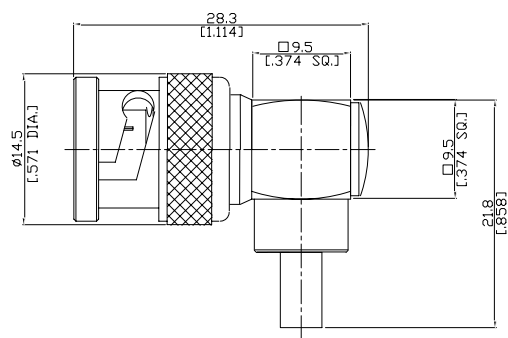


Cable Group	P/N	Crimp Insert
R01	BNC1C59-G058A / 133	CI-G58A
R01	BNC1C59-G058A / 144	CI-G58A
R02	BNC1C59-G142A / 133	CI-G58A
R02	BNC1C59-G142A / 144	CI-G58A

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp



Cable Group	P/N	Crimp Insert
R10	BNC1C59-G316A/133	CI-G316A
R10	BNC1C59-G316A/144	CI-G316A

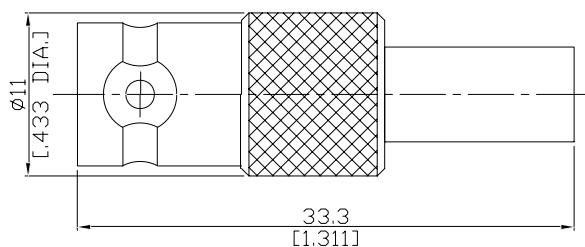
BNC Series - Cable Connectors

BNC

Straight Cable Jack

Flexible Cable

ROSNOLO Full Crimp

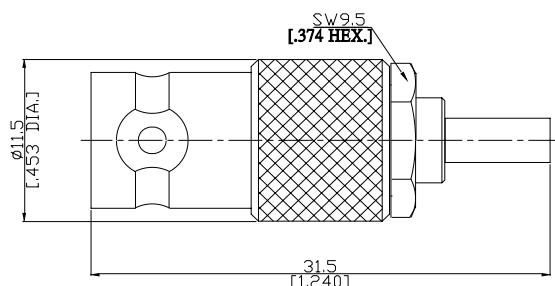


Cable Group	P/N	Crimp Insert
R01	BNC2C50-G058A/H3	CI-G58A
R01	BNC2C50-G058A/H4	CI-G58A
R02	BNC2C50-G142A/H3	CI-G58A
R02	BNC2C50-G142A/H4	CI-G58A

Straight Cable Jack

Flexible Cable

ROSNOLO Full Crimp

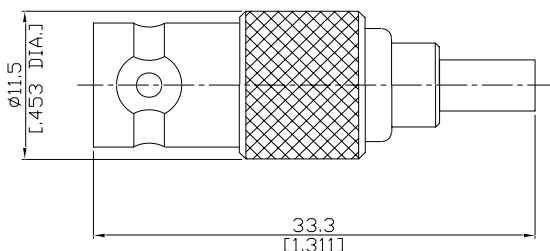


Cable Group	P/N	Crimp Insert
R03	BNC2C50-G178A/H3	CI-G316A
R03	BNC2C50-G178A/H4	CI-G316A

Straight Cable Jack

Flexible Cable

ROSNOLO Full Crimp

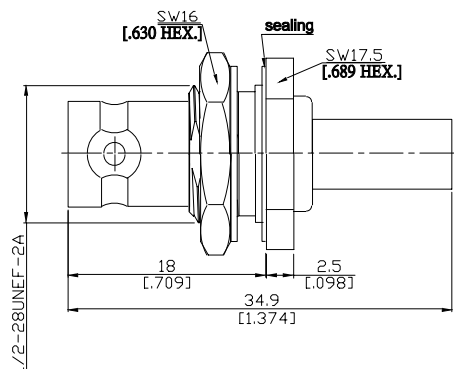


Cable Group	P/N	Crimp Insert
R10	BNC2C50-G316A/H3	CI-G316A
R10	BNC2C50-G316A/H4	CI-G316A
R11	BNC2C50-D316A/H3	CI-G316A
R11	BNC2C50-D316A/H4	CI-G316A

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp
With Sealing

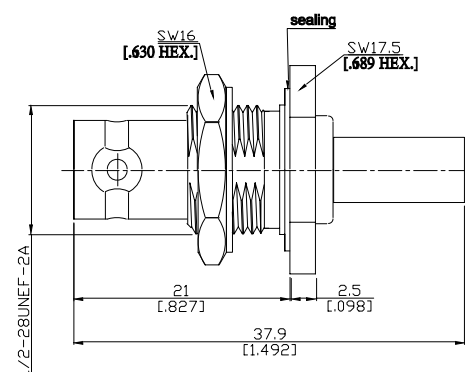


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	BNC2CA50-G058A/H3	CI-G58A	MD7
R01	BNC2CA50-G058A/H4	CI-G58A	MD7
R02	BNC2CA50-G142A/H3	CI-G58A	MD7
R02	BNC2CA50-G142A/H4	CI-G58A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp
With Sealing

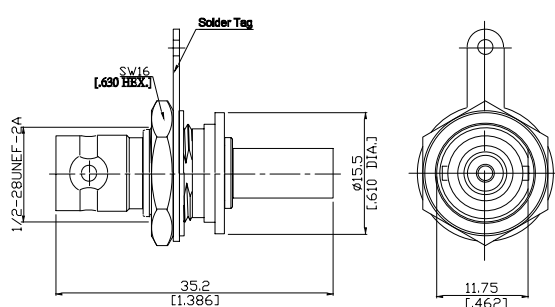


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	BNC2CA50-G058B/H3	CI-G58A	MD7
R01	BNC2CA50-G058B/H4	CI-G58A	MD7
R02	BNC2CA50-G142B/H3	CI-G58A	MD7
R02	BNC2CA50-G142B/H4	CI-G58A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp
With Solder Tag
Without Sealing



Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	BNC2CA50-G058C/H3	CI-G58A	MD7
R01	BNC2CA50-G058C/H4	CI-G58A	MD7
R02	BNC2CA50-G142C/H3	CI-G58A	MD7
R02	BNC2CA50-G142C/H4	CI-G58A	MD7

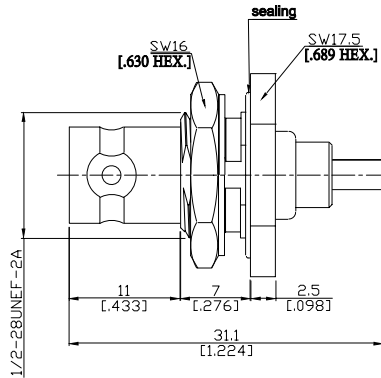
BNC Series - Cable Connectors

BNC

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp
With Sealing

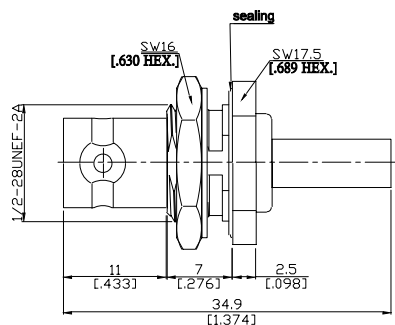


Cable Group	P/N	Crimp Insert	Mounting Dimension
R03	BNC2CA50-G178A/H3	CI-G316A	MD7
R03	BNC2CA50-G178A/H4	CI-G316A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp
With Sealing

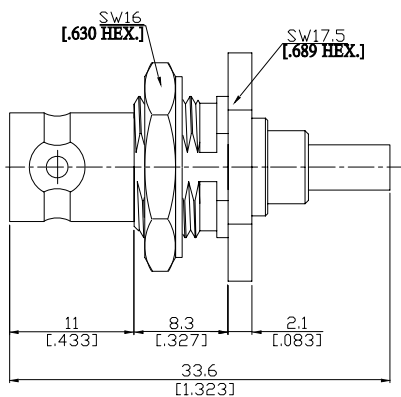


Cable Group	P/N	Crimp Insert	Mounting Dimension
R04	BNC2CA50-G122A/H3	CI-G58A	MD7
R04	BNC2CA50-G122A/H4	CI-G58A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp
Without Sealing

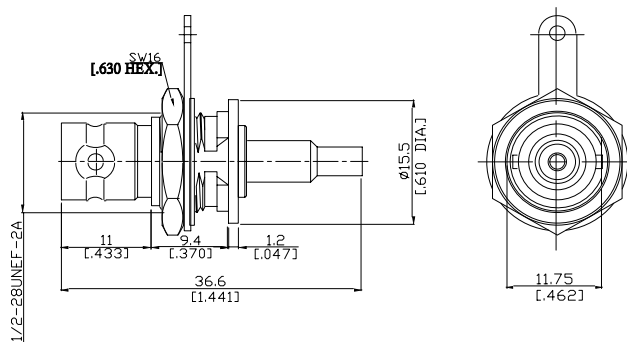


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	BNC2CA50-G316A/H3	CI-G316A	MD7
R10	BNC2CA50-G316A/H4	CI-G316A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp
Without Sealing

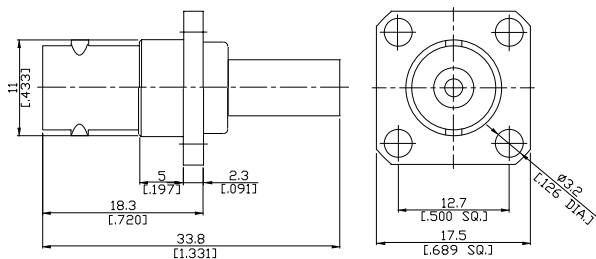


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	BNC2CA50-G316B/H3	CI-G316A	MD7
R10	BNC2CA50-G316B/H4	CI-G316A	MD7

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp

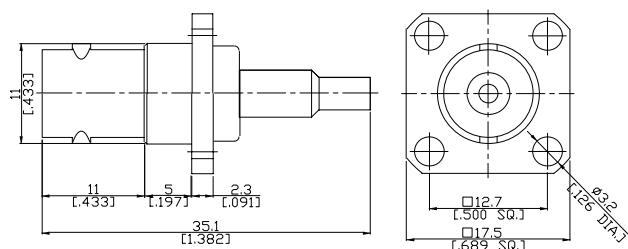


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	BNC2CBF50-G058A/H3	CI-G58A	MD9
R01	BNC2CBF50-G058A/H4	CI-G58A	MD9
R02	BNC2CBF50-G142A/H3	CI-G58A	MD9
R02	BNC2CBF50-G142A/H4	CI-G58A	MD9

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp



Cable Group	P/N	Crimp Insert	Mounting Dimension
R04	BNC2CBF50-G122A/H3	CI-G58A	MD9
R04	BNC2CBF50-G122A/H4	CI-G58A	MD9

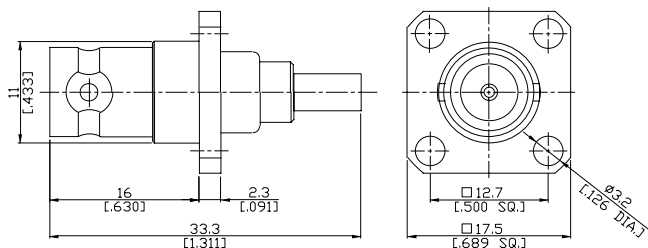
BNC Series - Cable Connectors

BNC

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp

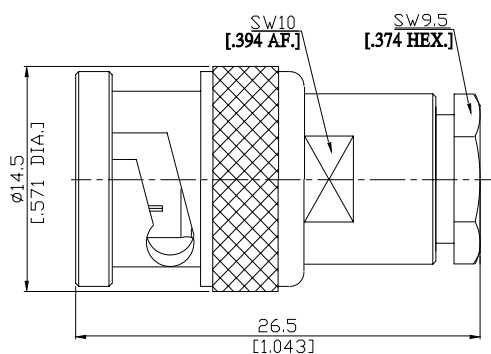


Cable Group	P/N	Crimp Insert	Mounting Dimension
R03	BNC2CBF50-G178A/H3	CI-G316A	MD9
R03	BNC2CBF50-G178A/H4	CI-G316A	MD9
R10	BNC2CBF50-G316A/H3	CI-G316A	MD9
R10	BNC2CBF50-G316A/H4	CI-G316A	MD9
R11	BNC2CBF50-D316A/H3	CI-G316A	MD9
R11	BNC2CBF50-D316A/H4	CI-G316A	MD9

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

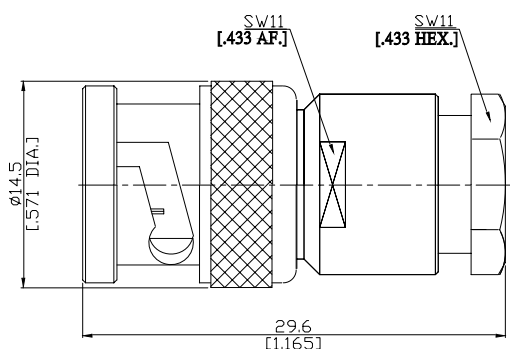


Cable Group	P/N
R01	BNC1D50-G058A/133
R01	BNC1D50-G058A/144

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

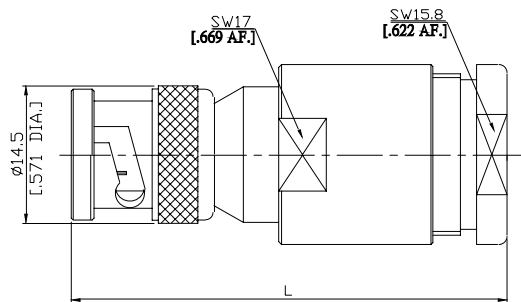


Cable Group	P/N
R01	BNC1D50-G058B/133
R01	BNC1D50-G058B/144

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

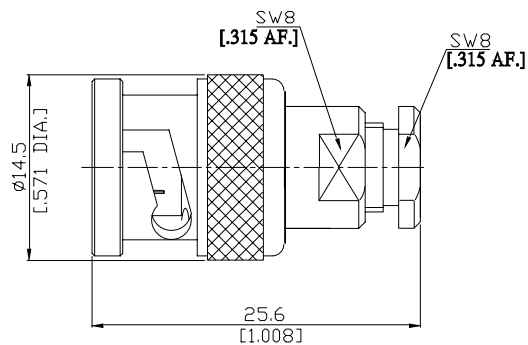


Cable Group	P/N	L
R05	BNC1D50-G213A/133	45.8
R05	BNC1D50-G213A/144	45.8
R06	BNC1D50-G214A/133	42.5
R06	BNC1D50-G214A/144	42.5

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

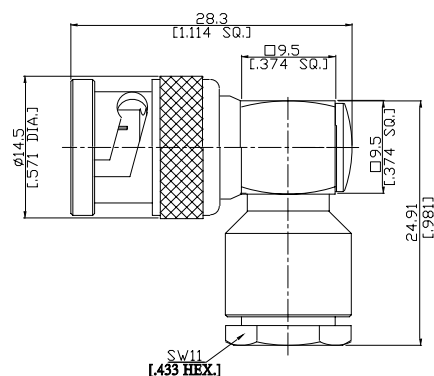


Cable Group	P/N
R10	BNC1D50-G316A/133
R10	BNC1D50-G316A/144

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp



Cable Group	P/N
R01	BNC1D59-G058A/133
R01	BNC1D59-G058A/144

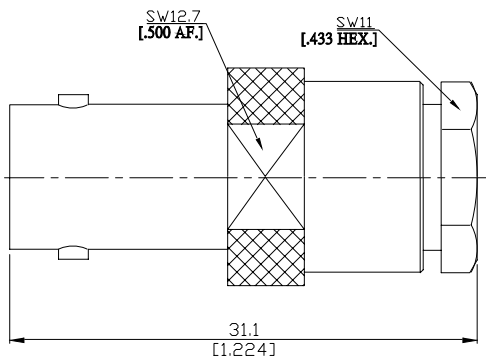
BNC Series - Cable Connectors

BNC

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

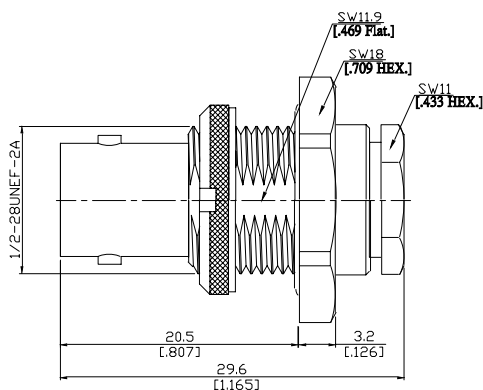


Cable Group	P/N
R01	BNC2D50-G058A/H3
R01	BNC2D50-G058A/H4

Straight Bulkhead Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

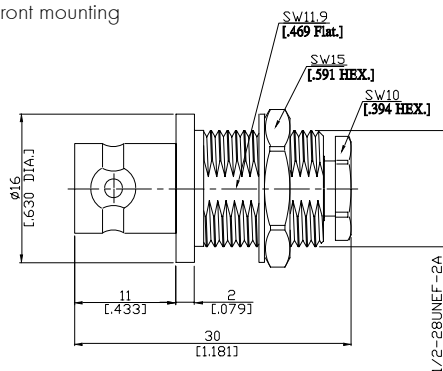


Cable Group	P/N	Mounting Dimension
R02	BNC2DA50-G142A/H3	MD23
R02	BNC2DA50-G142A/H4	MD23

Straight Bulkhead Cable Jack

Flexible Cable

Center Contact: Solder
Cable Entry: Clamp
Without Sealing
Front mounting



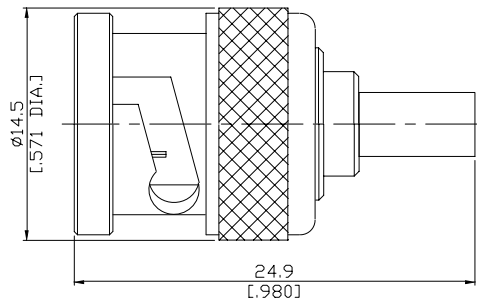
Cable Group	P/N	Mounting Dimension
R10	BNC2DA50-G316A/H3	MD23
R10	BNC2DA50-G316A/H4	MD23

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



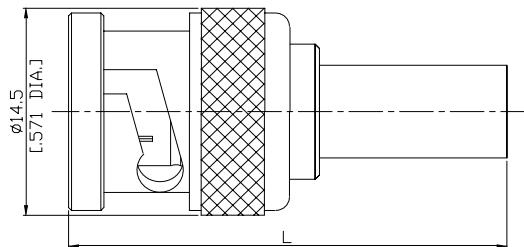
Cable Group	P/N	Crimp Insert
R10	BNC1C50-R100A/133	CI-R100A
R10	BNC1C50-R100A/144	CI-R100A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



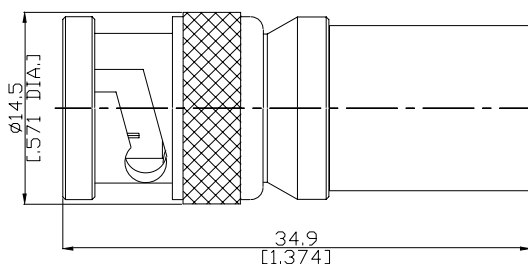
Cable Group	P/N	Crimp Insert	L
R38	BNC1C50-R200A/133	CI-G58A	29.7
R38	BNC1C50-R200A/144	CI-G58A	29.7
R39	BNC1C50-R240A/133	CI-G59A	28.8
R39	BNC1C50-R240A/144	CI-G59A	28.8

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



Cable Group	P/N	Crimp Insert
R41	BNC1C50-R400A/133	CI-R400A
R41	BNC1C50-R400A/144	CI-R400A

BNC Series - Cable Connectors

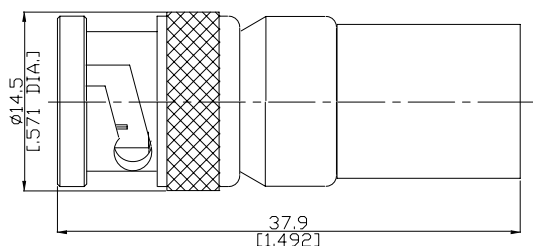
BNC

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



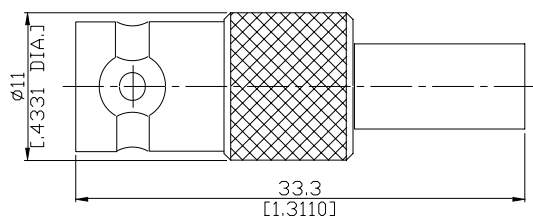
Cable Group	P/N	Crimp Insert
R41	BNC1C50-R400B/133	CI-R400A
R41	BNC1C50-R400B/144	CI-R400A

Straight Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



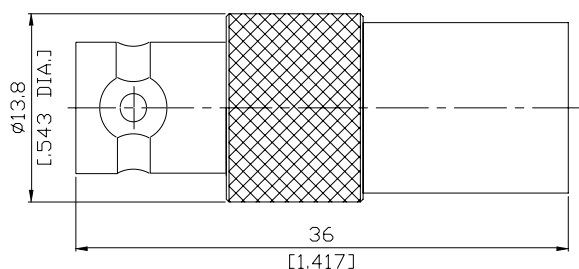
Cable Group	P/N	Crimp Insert
R38	BNC2C50-R200A/H3	CI-G58A
R38	BNC2C50-R200A/H4	CI-G58A

Straight Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



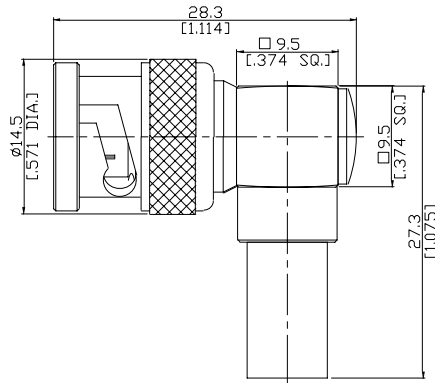
Cable Group	P/N	Crimp Insert
R41	BNC2C50-R400A/H3	CI-R400A
R41	BNC2C50-R400A/H4	CI-R400A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



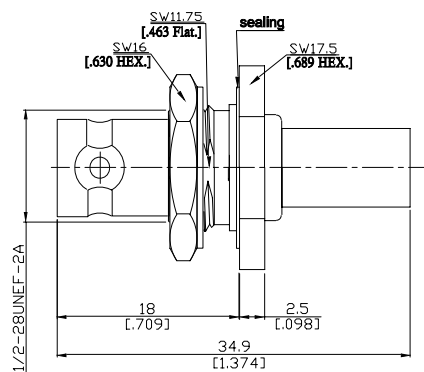
Cable Group	P/N	Crimp Insert
R39	BNC1C59-R240A/133	CI-G59A
R39	BNC1C59-R240A/144	CI-G59A

Straight Bulkhead Cable Jack

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp
With Sealing

LMR® is a registered trademark of Times Microwave Systems.



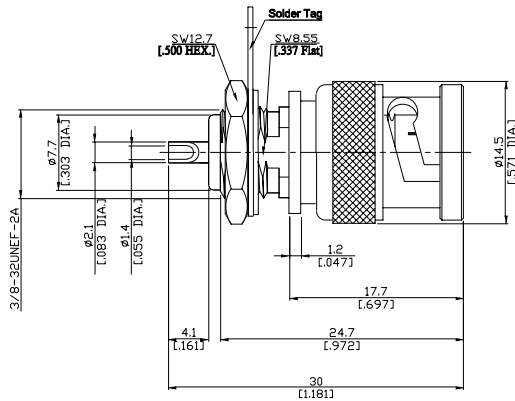
Cable Group	P/N	Crimp Insert	Mounting Dimension
R39	BNC2CA50-R240A/H3	CI-G59A	MD7
R39	BNC2CA50-R240A/H4	CI-G59A	MD7

Bulkhead Connectors



Straight Bulkhead Receptacle Plug

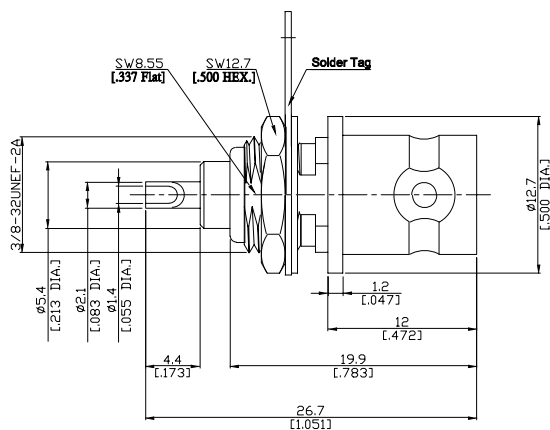
Solder End



P/N	Mounting Dimension
BNC1FB50-3000A/133	MD18
BNC1FB50-3000A/144	MD18

Straight Bulkhead Receptacle Jack

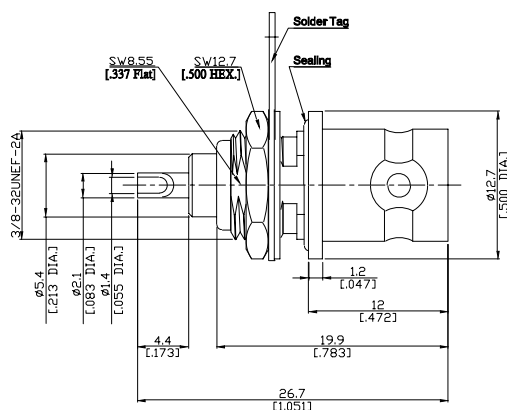
Solder End



P/N	Mounting Dimension
BNC2FB50-2670A/H3	MD18
BNC2FB50-2670A/H4	MD18

Straight Bulkhead Receptacle Jack

Solder End



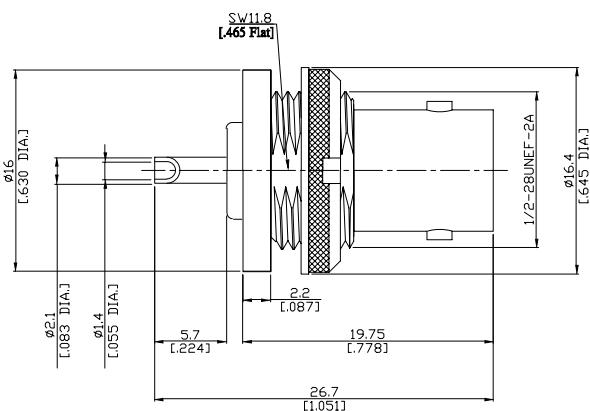
P/N	Mounting Dimension
BNC2FB50-2670B/H3	MD18
BNC2FB50-2670B/H4	MD18

BNC Series - Bulkhead Connectors

BNC

Straight Bulkhead Receptacle Jack

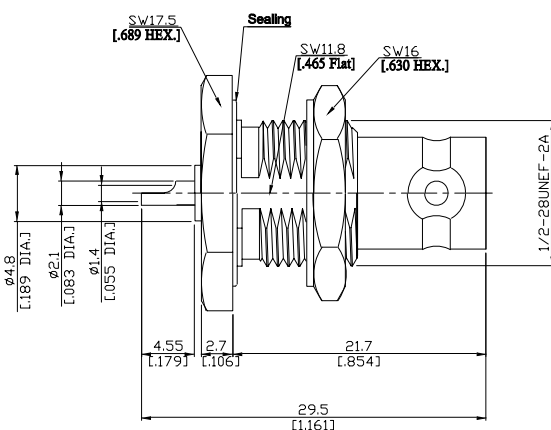
Solder End



P/N	Mounting Dimension
BNC2FB50-2670C/H3	MD7
BNC2FB50-2670C/H4	MD7

Straight Bulkhead Receptacle Jack

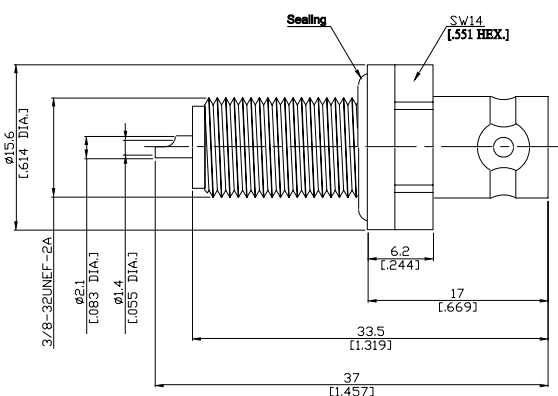
Solder End



P/N	Mounting Dimension
BNC2FB50-2950A/H3	MD7
BNC2FB50-2950A/H4	MD7

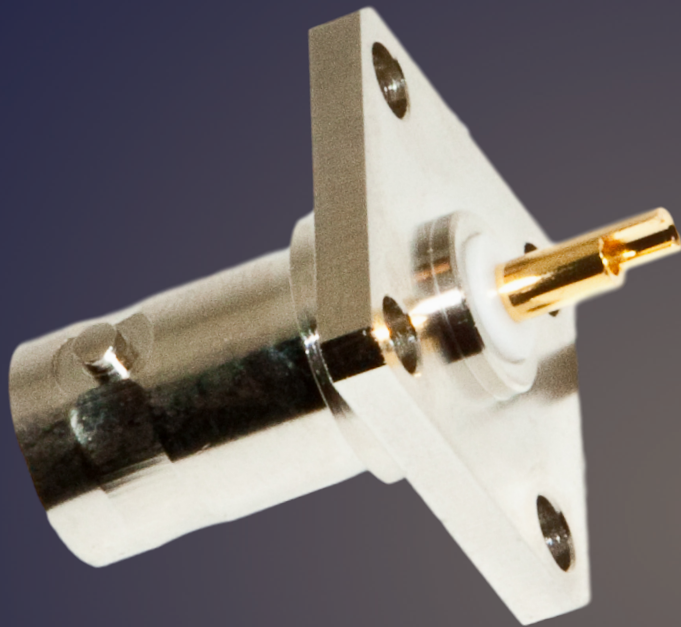
Straight Bulkhead Receptacle Jack

Solder End



P/N	Mounting Dimension
BNC2FB50-3700A/H3	MD114
BNC2FB50-3700A/H4	MD114

Panel Connectors

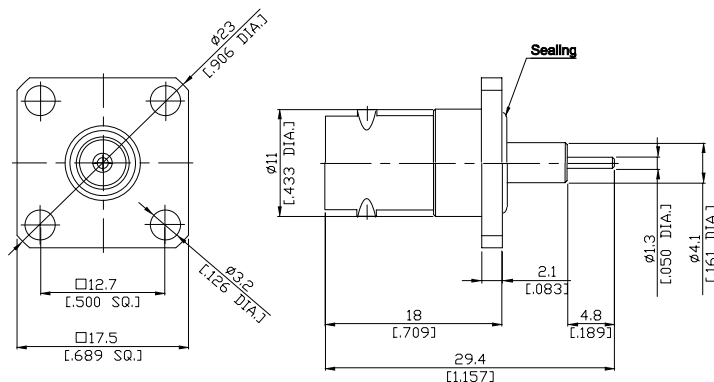


BNC Series - Panel Connectors

BNC

Straight Panel Receptacle Jack, 4 Hole Flange

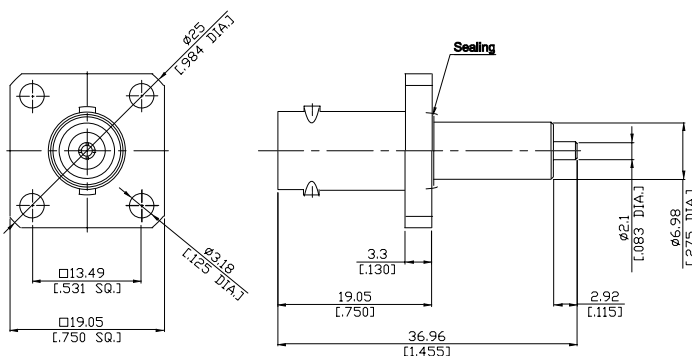
Coaxial End



P/N	Mounting Dimension
BNC2GFA50-2940A/H3	MD66
BNC2GFA50-2940A/H4	MD66

Straight Panel Receptacle Jack, 4 Hole Flange

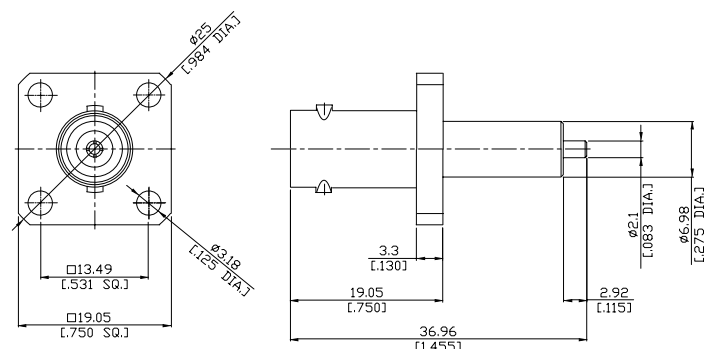
Coaxial End



P/N	Mounting Dimension
BNC2GFA50-3696A/93	MD67
BNC2GFA50-3696A/94	MD67

Straight Panel Receptacle Jack, 4 Hole Flange

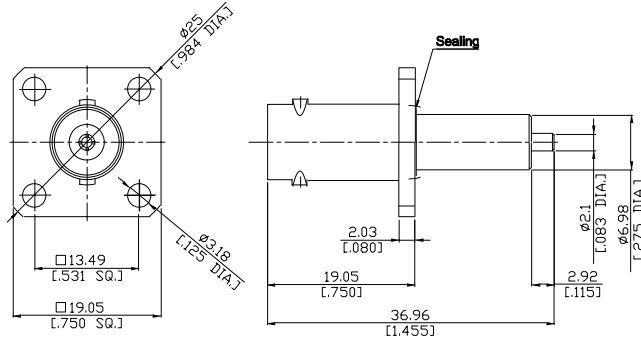
Coaxial End



P/N	Mounting Dimension
BNC2GFA50-3696B/93	MD67
BNC2GFA50-3696B/94	MD67

Straight Panel Receptacle Jack, 4 Hole Flange

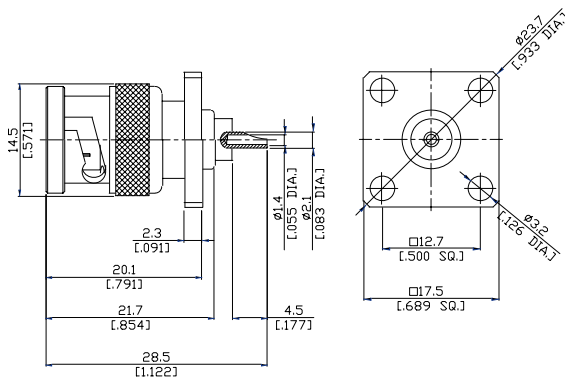
Coaxial End



P/N	Mounting Dimension
BNC2GFA50-3696C/93	MD67
BNC2GFA50-3696C/94	MD67

Straight Panel Receptacle Plug, 4 Hole Flange

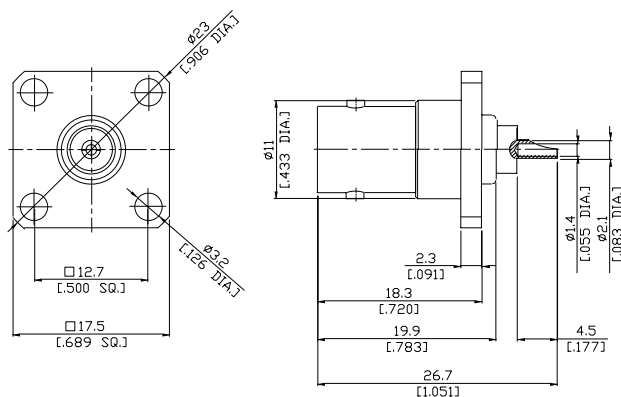
Solder End



P/N	Mounting Dimension
BNC1GFB50-2850A/133	MD39
BNC1GFB50-2850A/144	MD39

Straight Panel Receptacle Jack, 4 Hole Flange

Solder End



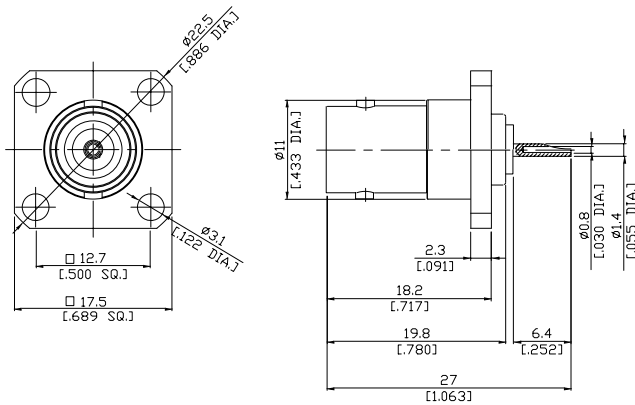
P/N	Mounting Dimension
BNC2GFB50-2670A/H3	MD39
BNC2GFB50-2670A/H4	MD39

BNC Series - Panel Connectors

BNC

Straight Panel Receptacle Jack, 4 Hole Flange

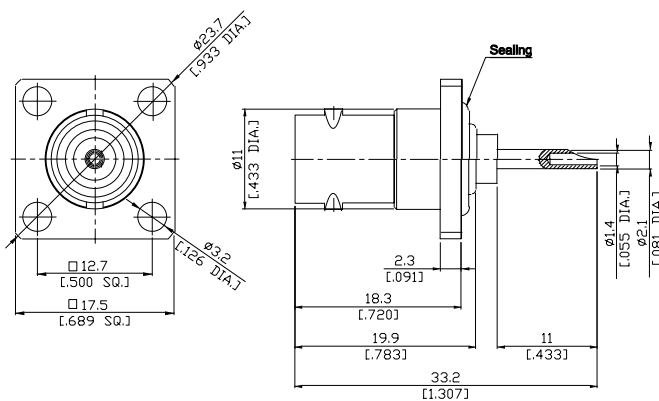
Solder End



P/N	Mounting Dimension
BNC2GFB50-2700A/H3	MD9
BNC2GFB50-2700A/H4	MD9

Straight Panel Receptacle Jack, 4 Hole Flange

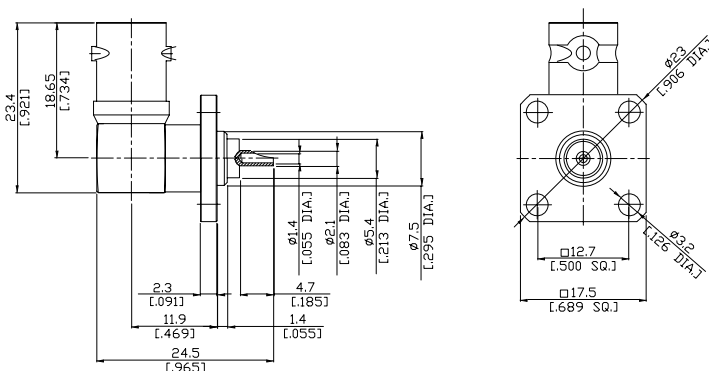
Solder End



P/N	Mounting Dimension
BNC2GFB50-3320A/H3	MD39
BNC2GFB50-3320A/H4	MD39

Right Angle Panel Receptacle Jack, 4 Hole Flange

Solder End



P/N	Mounting Dimension
BNC2GFB59-2450A/93	MD39
BNC2GFB59-2450A/94	MD39

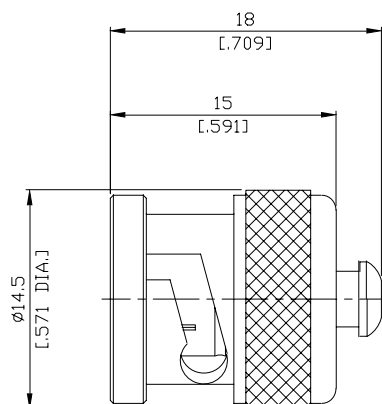
Protective Caps



BNC Series - Protective Caps

Protective Caps Plug

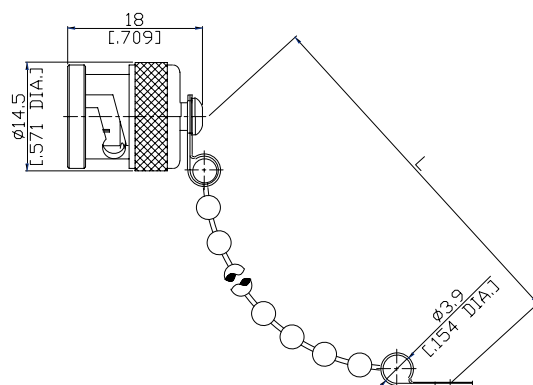
Suitable for 50Ω and 75Ω
Without Chain
For Jacks



P/N
BNC1A00-1800A/-3
BNC1A00-1800A/-4

Protective Caps Plug

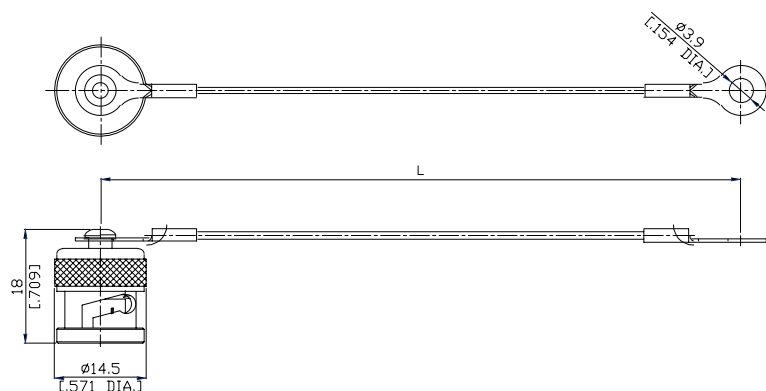
Suitable for 50Ω and 75Ω
With Chain
For Jacks



P/N	L
BNC1A00-1800A-57/-3	5.7
BNC1A00-1800A-57/-4	5.7
BNC1A00-1800A-100/-3	10
BNC1A00-1800A-100/-4	10
BNC1A00-1800A-150/-3	15
BNC1A00-1800A-150/-4	15

Protective Caps Plug

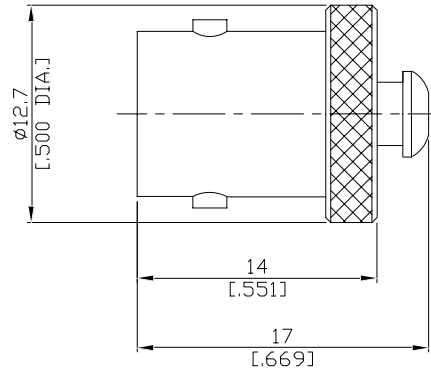
Suitable for 50Ω and 75Ω
With Wire Rope Chain
For Jacks



P/N	L
BNC1A00-1800B-100/-3	10
BNC1A00-1800B-100/-4	10
BNC1A00-1800B-150/-3	15
BNC1A00-1800B-150/-4	15

Protective Caps Jack

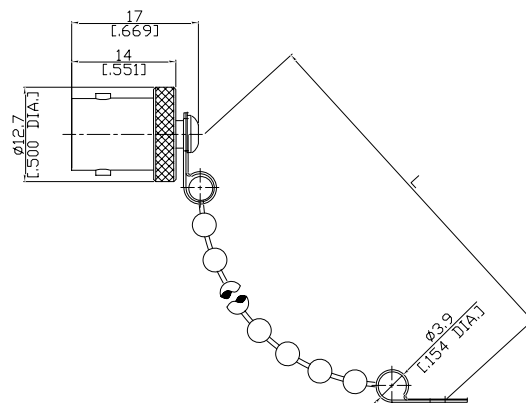
Suitable for 50Ω and 75Ω
Without Chain
For Plugs



P/N
BNC2A00-1700A/-3
BNC2A00-1700A/-4

Protective Caps Jack

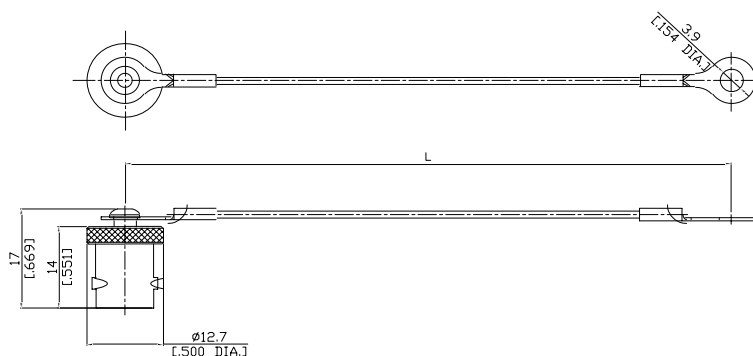
Suitable for 50Ω and 75Ω
With Chain
For Plugs



P/N	L
BNC2A00-1700A-57/-3	5.7
BNC2A00-1700A-57/-4	5.7
BNC2A00-1700A-100/-3	10
BNC2A00-1700A-100/-4	10
BNC2A00-1700A-150/-3	15
BNC2A00-1700A-150/-4	15

Protective Caps Jack

Suitable for 50Ω and 75Ω
With Wire Rope Chain
For Plugs



P/N	L
BNC2A00-1700B-100/-3	10
BNC2A00-1700B-100/-4	10
BNC2A00-1700B-150/-3	15
BNC2A00-1700B-150/-4	15

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

TNC



The TNC series is a commonly used coax connector.

The same size as BNC connectors, but with a screw coupling mechanism, this connector can be used up to 11 GHz.

Both 50 Ω and 75 Ω impedances are available.

Connector styles are available for flexible, conformable and semi-rigid cable types.

Versions of the TNC connector are available for mounting to printed circuit boards using both through-hole soldered and through-hole press-fit techniques.

ROSNOL full crimp, clamp and solder cable entry processes are used for this series.

TNC connectors are used for Aerospace, Antennas, Base Stations, Cable Assembly, Cellular, Components, Instrumentation, Military, Networks, Radar and Telecommunications applications.

TNC connectors are a low-cost high-frequency solution for coax connections.

Mating face sealing for TNC connectors between plug (male) and jack (female) mated according to International Protection Marking IP 68. The classifications are general statements for the relevant series.

Individual connectors may deviate from the values shown.

If in doubt, please consult ROSNOL sales representative.

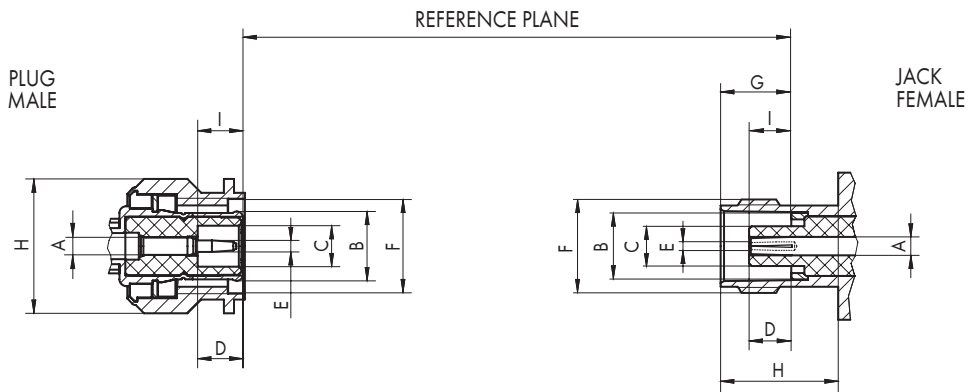
■ Features

- Interface according to MIL-STD-348B/313, IEC 60169-17
- Impedance 50 Ω
- Frequency range DC to 11 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling

■ Applications

- | | |
|------------------|----------------------|
| • Aerospace | • Instrumentation |
| • Antennas | • Military |
| • Base Stations | • Networks |
| • Cable Assembly | • Radar |
| • Cellular | • Telecommunications |
| • Components | |

■ Interface Dimensions TNC 50 Ω



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 2.14/0.084 nom.		Ø 2.14/0.084 nom.	
B	1)		Ø 8.10/0.319	Ø 8.15/0.321
C	Ø 4.83/0.190	-	-	Ø 4.72/0.186
D	5.28/0.208	-	-	5.28/0.208
E	Ø 1.32/0.052	Ø 1.37/0.054	1)	
F	7/16-28 UHF-2B		7/16-28 UHF-2A	
G	-	-	8.31/0.327	8.51/0.335
H	-	-	10.52/0.414	-
I	5.33/0.210	-	4.55/0.179	5.23/0.206

1) Resilient, dimension to meet electrical and mechanical requirements

50 Ω and 75 Ω connector types are intermateable without any restrictions within TNC.

-Features

- Interface according to MIL-STD-348B/313, IEC 60169-17
- Impedance 50 Ω
- Frequency range DC to 11 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling

-Product Range

- Cable connectors
- Bulkhead connectors
- Panel connectors (coaxial and solder end type)
- PCB connectors
- Adaptors
- Terminations
- Tools & Accessoriess
- Further connectors available on request.

■ Technical Data TNC

Applicable standards	
Interface according to	MIL-PRF-39012, MIL-STD-348B/313, IEC 60169-17
Electrical data	
Impedance	50 Ω
Frequency range	DC to 11 GHz (max.)
Return loss (cable connector straight)	≥ 20 dB (typ.)
Insertion loss	≤ 0.1 × √f (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms
Power handling	80 W @ 2 GHz
Mechanical data	
Mating cycles	≥ 500
Center contact captivation	axial: ≥ 27 N
Coupling test torque	≤ 1.7 Nm
Coupling torque recommended	0.46 Nm to 0.69 Nm
Environmental data	
Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Climatic category	IEC 60068-2-1 65/165/21
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper, Gold plating
Center contact	Pin: Brass, Gold plating or Beryllium Copper, Gold plating Socket: Beryllium Copper, Gold plating
Outer contact	Brass, Nickel / Copper-Tin-Zinc Alloy Plating
Crimping ferrule	Brass, Copper-Tin-Zinc Alloy Plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

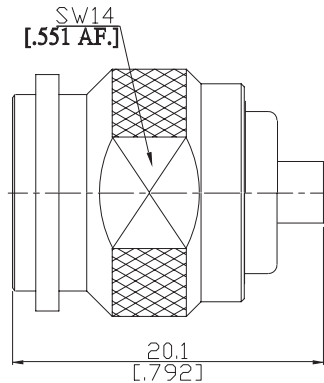
Cable Connectors



Straight Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

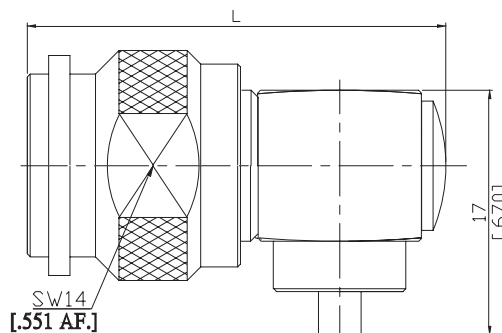


Cable Group	P/N
R14	TNC1E50-0085A/133
R14	TNC1E50-0085A/144
R14	TNC1E50-0085A/1XX
R16	TNC1E50-0141A/133
R16	TNC1E50-0141A/144
R16	TNC1E50-0141A/1XX

Right Angle Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

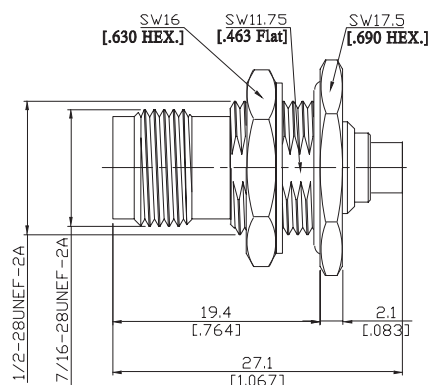


Cable Group	P/N	L
R14	TNC1E59-0085A/133	29.35
R14	TNC1E59-0085A/144	29.35
R14	TNC1E59-0085A/1XX	29.35
R16	TNC1E59-0141A/133	28.15
R16	TNC1E59-0141A/144	28.15
R16	TNC1E59-0141A/1XX	28.15

Straight Bulkhead Cable Jack

Semi-Rigid Cable

Center Contact: Plug-in
Cable Entry: Soldered



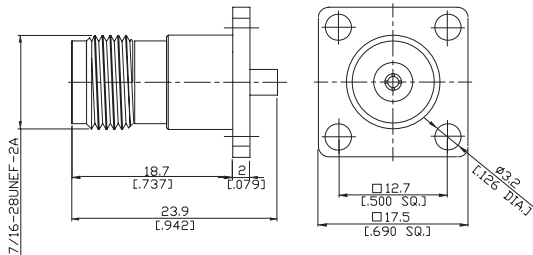
Cable Group	P/N	Mounting Dimension
R14	TNC2EA50-0085A/H3	MD7
R14	TNC2EA50-0085A/H4	MD7
R14	TNC2EA50-0085A/HX	MD7
R16	TNC2EA50-0141A/H3	MD7
R16	TNC2EA50-0141A/H4	MD7
R16	TNC2EA50-0141A/HX	MD7

TNC Series - Cable Connectors

Straight Panel Cable Jack, 4 Hole Flange

Semi-Rigid Cable

Center Contact: Plug-in
Cable Entry: Soldered

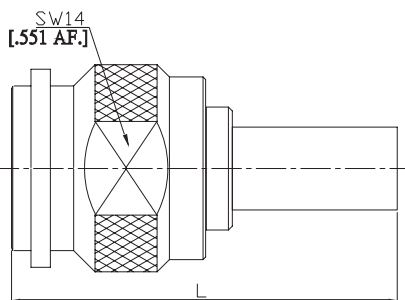


Cable Group	P/N	Mounting Dimension
R14	TNC2EBF50-0085A/H3	MD41
R14	TNC2EBF50-0085A/H4	MD41
R16	TNC2EBF50-0141A/H3	MD41
R16	TNC2EBF50-0141A/H4	MD41

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp

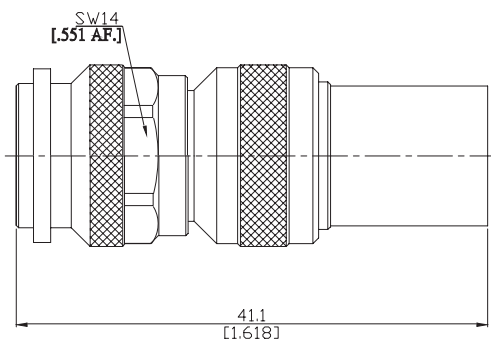


Cable Group	P/N	Crimp Insert	L
R01	TNC1C50-G058A/133	CI-G58A	29.7
R01	TNC1C50-G058A/144	CI-G58A	29.7
R01	TNC1C50-G058A/1XX	CI-G58A	29.7
R02	TNC1C50-G142A/133	CI-G58A	28.8
R02	TNC1C50-G142A/144	CI-G58A	28.8
R02	TNC1C50-G142A/1XX	CI-G58A	28.8

Straight Cable Plug

Flexible Cable

ROSNOL Full Crimp

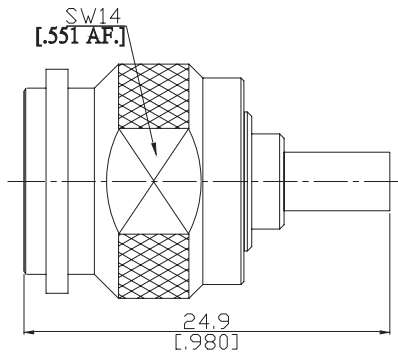


Cable Group	P/N	Crimp Insert
R05	TNC1C50-G213A/133	CI-G214A
R05	TNC1C50-G213A/144	CI-G214A
R05	TNC1C50-G213A/1XX	CI-G214A
R06	TNC1C50-G214A/133	CI-G214A
R06	TNC1C50-G214A/144	CI-G214A
R06	TNC1C50-G214A/1XX	CI-G214A

Straight Cable Plug

Flexible Cable

ROSNO L Full Crimp

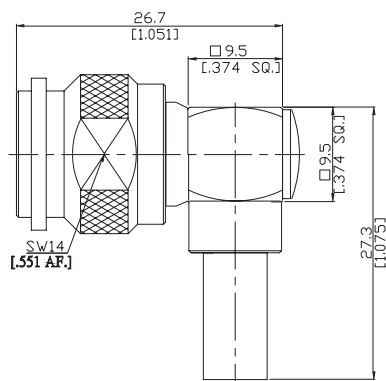


Cable Group	P/N	Crimp Insert
R10	TNC1C50-G316A/133	CI-G316A
R10	TNC1C50-G316A/144	CI-G316A
R10	TNC1C50-G316A/1XX	CI-G316A
R11	TNC1C50-D316A/133	CI-G316A
R11	TNC1C50-D316A/144	CI-G316A
R11	TNC1C50-D316A/1XX	CI-G316A

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

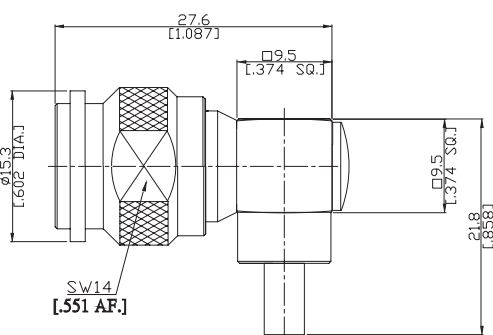


Cable Group	P/N	Crimp Insert
R01	TNC1C59-G058A/133	CI-G58A
R01	TNC1C59-G058A/144	CI-G58A
R01	TNC1C59-G058A/1XX	CI-G58A
R02	TNC1C59-G142A/133	CI-G58A
R02	TNC1C59-G142A/144	CI-G58A
R02	TNC1C59-G142A/1XX	CI-G58A

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp



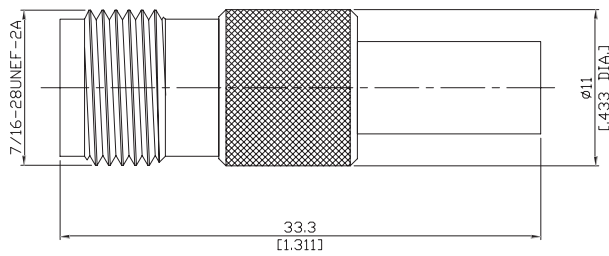
Cable Group	P/N	Crimp Insert
R10	TNC1C59-G316A/133	CI-G316A
R10	TNC1C59-G316A/144	CI-G316A
R10	TNC1C59-G316A/1XX	CI-G316A
R11	TNC1C59-D316A/133	CI-G316A
R11	TNC1C59-D316A/144	CI-G316A
R11	TNC1C59-D316A/1XX	CI-G316A

TNC Series - Cable Connectors

Straight Cable Jack

Flexible Cable

ROSNOL Full Crimp

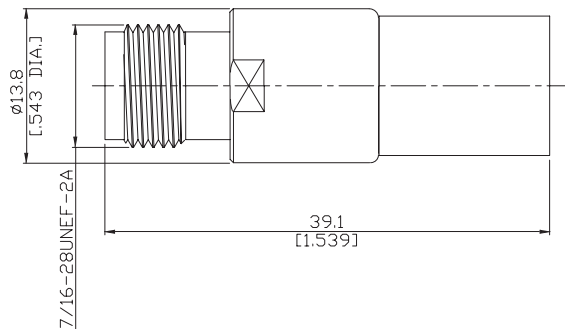


Cable Group	P/N	Crimp Insert
R01	TNC2C50-G058A/H3	CI-G58A
R01	TNC2C50-G058A/H4	CI-G58A
R01	TNC2C50-G058A/HX	CI-G58A
R02	TNC2C50-G142A/H3	CI-G58A
R02	TNC2C50-G142A/H4	CI-G58A
R02	TNC2C50-G142A/HX	CI-G58A

Straight Cable Jack

Flexible Cable

ROSNOL Full Crimp

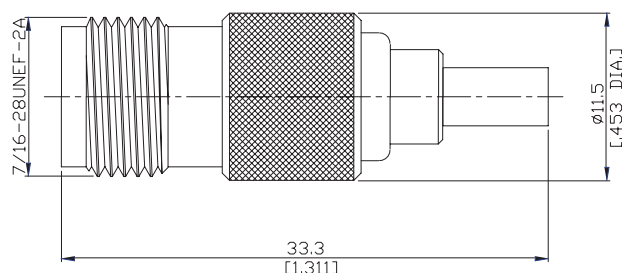


Cable Group	P/N	Crimp Insert
R05	TNC2C50-G213A/H3	CI-G214A
R05	TNC2C50-G213A/H4	CI-G214A
R05	TNC2C50-G213A/HX	CI-G214A
R06	TNC2C50-G214A/H3	CI-G214A
R06	TNC2C50-G214A/H4	CI-G214A
R06	TNC2C50-G214A/HX	CI-G214A

Straight Cable Jack

Flexible Cable

ROSNOL Full Crimp

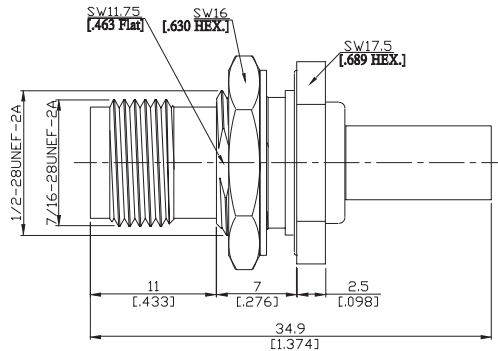


Cable Group	P/N	Crimp Insert	L
R10	TNC2C50-G316A/H3	CI-G316A	33.6
R10	TNC2C50-G316A/H4	CI-G316A	33.6
R10	TNC2C50-G316A/HX	CI-G316A	33.6
R11	TNC2C50-D316A/H3	CI-G316A	33.3
R11	TNC2C50-D316A/H4	CI-G316A	33.3
R11	TNC2C50-D316A/HX	CI-G316A	33.3

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

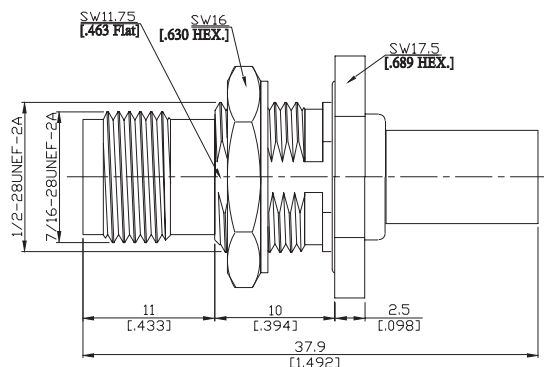


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	TNC2CA50-G058A/H3	CI-G58A	MD7
R01	TNC2CA50-G058A/H4	CI-G58A	MD7
R01	TNC2CA50-G058A/HX	CI-G58A	MD7
R02	TNC2CA50-G142A/H3	CI-G58A	MD7
R02	TNC2CA50-G142A/H4	CI-G58A	MD7
R02	TNC2CA50-G142A/HX	CI-G58A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

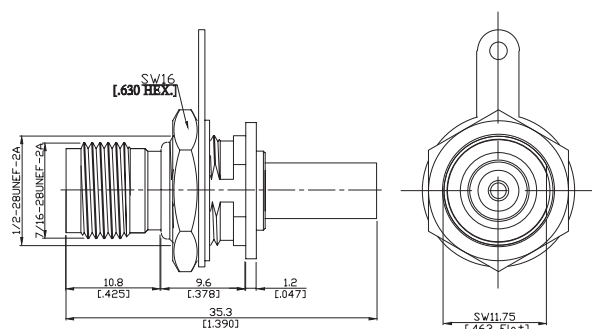


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	TNC2CA50-G058B/H3	CI-G58A	MD7
R01	TNC2CA50-G058B/H4	CI-G58A	MD7
R01	TNC2CA50-G058B/HX	CI-G58A	MD7
R02	TNC2CA50-G142B/H3	CI-G58A	MD7
R02	TNC2CA50-G142B/H4	CI-G58A	MD7
R02	TNC2CA50-G142B/HX	CI-G58A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp



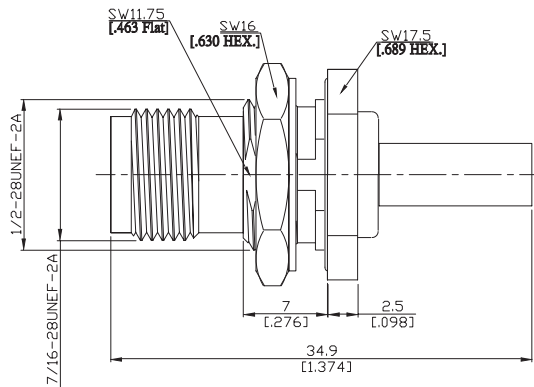
Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	TNC2CA50-G058C/H3	CI-G58A	MD7
R01	TNC2CA50-G058C/H4	CI-G58A	MD7
R01	TNC2CA50-G058C/HX	CI-G58A	MD7

TNC Series - Cable Connectors

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

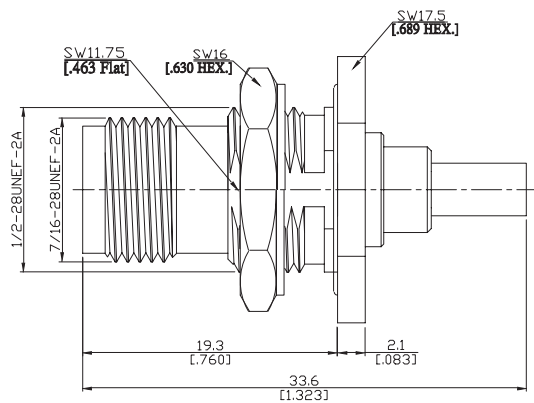


Cable Group	P/N	Crimp Insert	Mounting Dimension
R04	TNC2CA50-G122A/H3	CI-G58A	MD7
R04	TNC2CA50-G122A/H4	CI-G58A	MD7
R04	TNC2CA50-G122A/HX	CI-G58A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

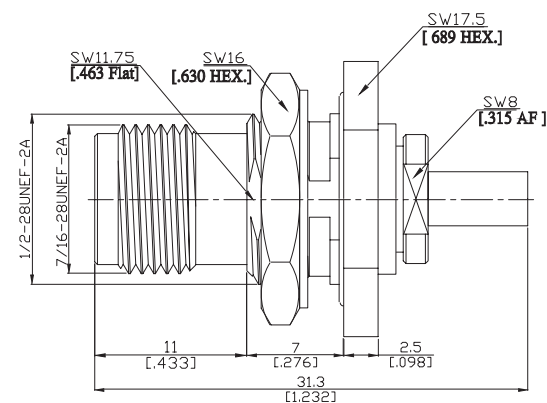


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	TNC2CA50-G316A/H3	CI-G316A	MD7
R10	TNC2CA50-G316A/H4	CI-G316A	MD7
R10	TNC2CA50-G316A/HX	CI-G316A	MD7
R11	TNC2CA50-D316A/H3	CI-G316A	MD7
R11	TNC2CA50-D316A/H4	CI-G316A	MD7
R11	TNC2CA50-D316A/HX	CI-G316A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

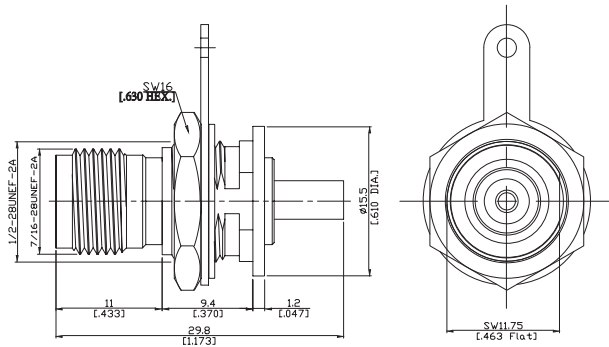


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	TNC2CA50-G316B/H3	CI-G316A	MD7
R10	TNC2CA50-G316B/H4	CI-G316A	MD7
R10	TNC2CA50-G316B/HX	CI-G316A	MD7
R11	TNC2CA50-D316B/H3	CI-G316A	MD7
R11	TNC2CA50-D316B/H4	CI-G316A	MD7
R11	TNC2CA50-D316B/HX	CI-G316A	MD7

Straight Bulkhead Cable Jack

Flexible Cable

ROSNOL Full Crimp

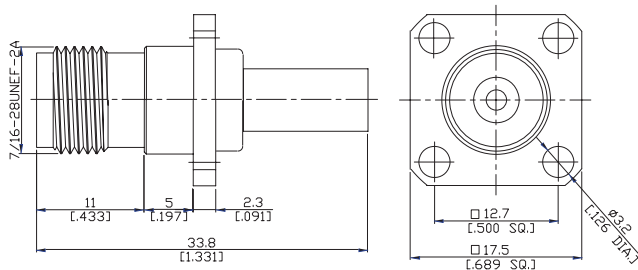


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	TNC2CA50-G316C/H3	CI-G316A	MD7
R10	TNC2CA50-G316C/H4	CI-G316A	MD7
R10	TNC2CA50-G316C/HX	CI-G316A	MD7
R11	TNC2CA50-D316C/H3	CI-G316A	MD7
R11	TNC2CA50-D316C/H4	CI-G316A	MD7
R11	TNC2CA50-D316C/HX	CI-G316A	MD7

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp

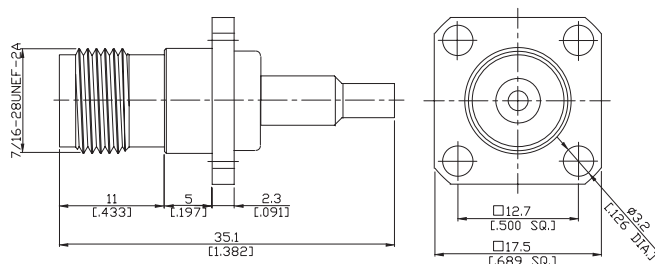


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	TNC2CBF50-G058A/H3	CI-G58A	MD9
R01	TNC2CBF50-G058A/H4	CI-G58A	MD9
R01	TNC2CBF50-G058A/HX	CI-G58A	MD9
R02	TNC2CBF50-G142A/H3	CI-G58A	MD9
R02	TNC2CBF50-G142A/H4	CI-G58A	MD9
R02	TNC2CBF50-G142A/HX	CI-G58A	MD9

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp



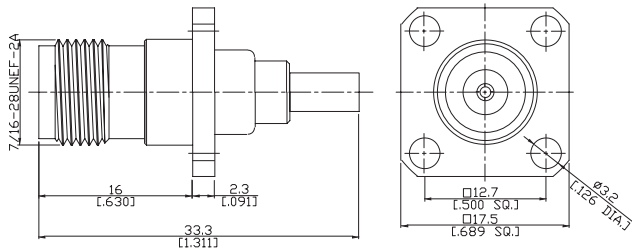
Cable Group	P/N	Crimp Insert	Mounting Dimension
R04	TNC2CBF50-G122A/H3	CI-G58A	MD9
R04	TNC2CBF50-G122A/H4	CI-G58A	MD9
R04	TNC2CBF50-G122A/HX	CI-G58A	MD9

TNC Series - Cable Connectors

Straight Panel Cable Jack, 4 Hole Flange

Flexible Cable

ROSNOL Full Crimp

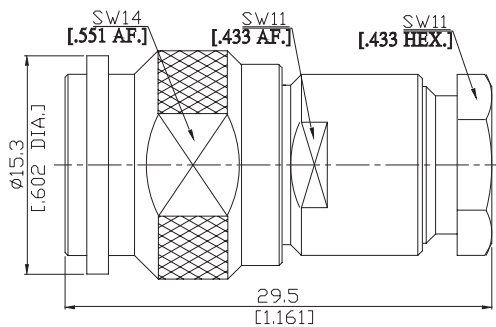


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	TNC2CBF50-G316A/H3	CI-G316A	MD9
R10	TNC2CBF50-G316A/H4	CI-G316A	MD9
R10	TNC2CBF50-G316A/HX	CI-G316A	MD9
R10	TNC2CBF50-D316A/H3	CI-G316A	MD9
R10	TNC2CBF50-D316A/H4	CI-G316A	MD9
R10	TNC2CBF50-D316A/HX	CI-G316A	MD9

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

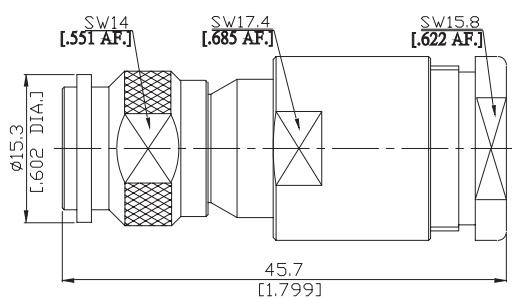


Cable Group	P/N
R01	TNC1D50-G058A/133
R01	TNC1D50-G058A/144
R01	TNC1D50-G058A/1XX
R02	TNC1D50-G142A/133
R02	TNC1D50-G142A/144
R02	TNC1D50-G142A/1XX

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

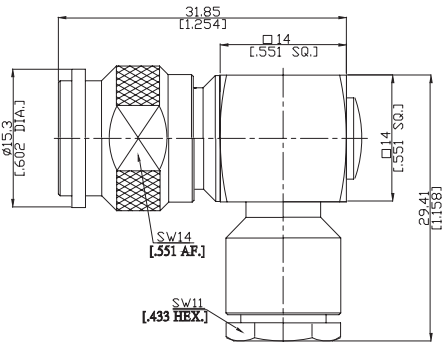


Cable Group	P/N
R05	TNC1D50-G213A/133
R05	TNC1D50-G213A/144
R05	TNC1D50-G213A/1XX
R06	TNC1D50-G214A/133
R06	TNC1D50-G214A/144
R06	TNC1D50-G214A/1XX

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

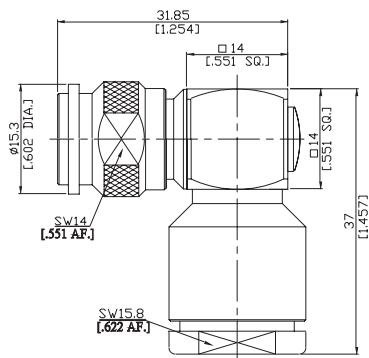


Cable Group	P/N
R01	TNC1D59-G058A/133
R01	TNC1D59-G058A/144
R01	TNC1D59-G058A/1XX
R02	TNC1D59-G142A/133
R02	TNC1D59-G142A/144
R02	TNC1D59-G142A/1XX

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

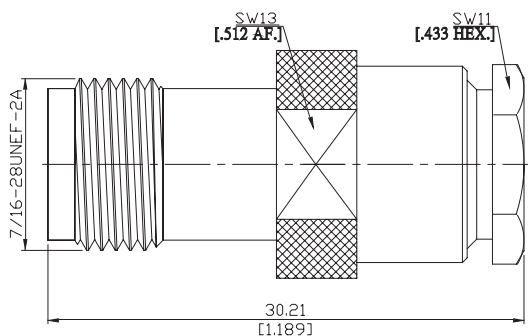


Cable Group	P/N
R05	TNC1D59-G213A/133
R05	TNC1D59-G213A/144
R05	TNC1D59-G213A/1XX
R06	TNC1D59-G214A/133
R06	TNC1D59-G214A/144
R06	TNC1D59-G214A/1XX

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp



Cable Group	P/N
R01	TNC2D50-G058A/H3
R01	TNC2D50-G058A/H4
R01	TNC2D50-G058A/HX
R01	TNC2D50-G142A/H3
R01	TNC2D50-G142A/H4
R01	TNC2D50-G142A/HX

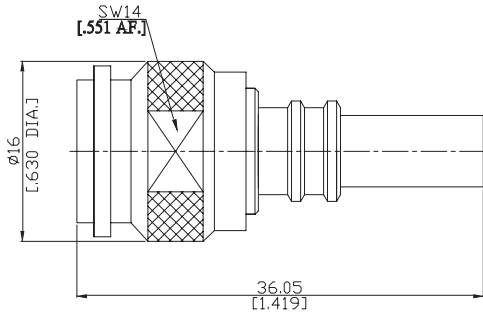
TNC Series - Cable Connectors

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



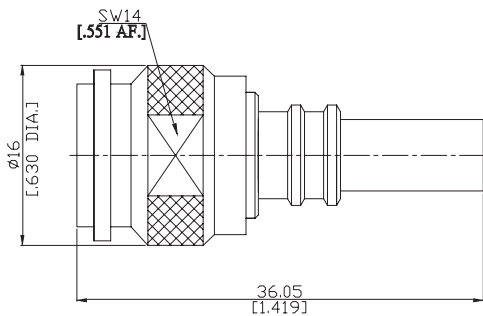
Cable Group	P/N	Crimp Insert
R38	TNC1C50-R200A/133	CI-G58A
R38	TNC1C50-R200A/144	CI-G58A
R38	TNC1C50-R200A/1XX	CI-G58A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



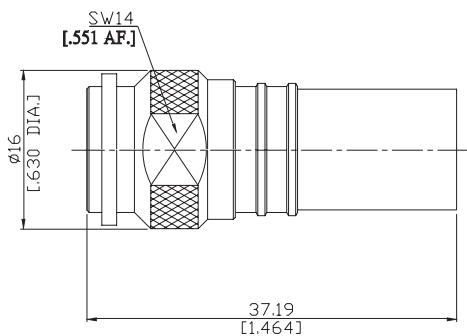
Cable Group	P/N	Crimp Insert
R39	TNC1C50-R240A/133	CI-G59A
R39	TNC1C50-R240A/144	CI-G59A
R39	TNC1C50-R240A/1XX	CI-G59A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



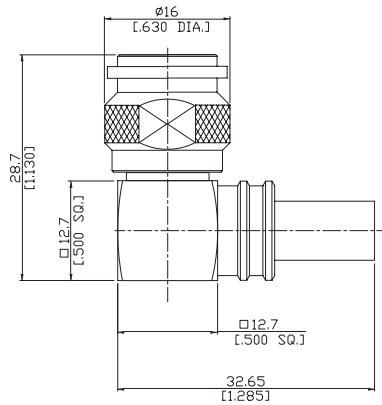
Cable Group	P/N	Crimp Insert
R41	TNC1C50-R400A/133	CI-R400A
R41	TNC1C50-R400A/144	CI-R400A
R41	TNC1C50-R400A/1XX	CI-R400A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



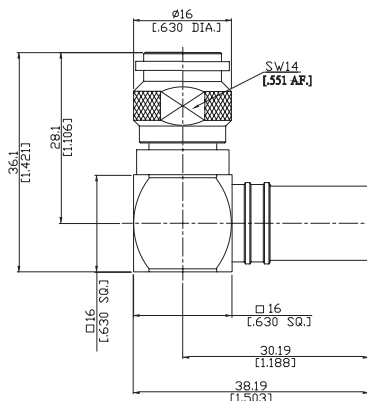
Cable Group	P/N	Crimp Insert
R39	TNC1C59-R240A/133	CI-G59A
R39	TNC1C59-R240A/144	CI-G59A
R39	TNC1C59-R240A/1XX	CI-G59A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



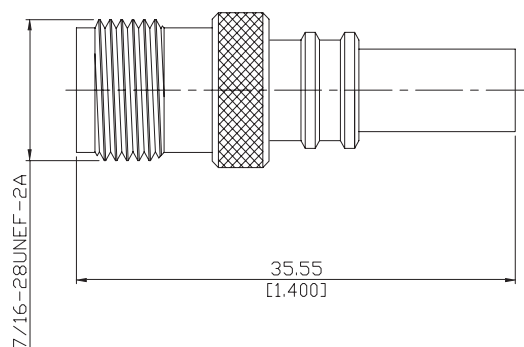
Cable Group	P/N	Crimp Insert
R41	TNC1C59-R400A/133	CI-R400A
R41	TNC1C59-R400A/144	CI-R400A
R41	TNC1C59-R400A/1XX	CI-R400A

Right Angle Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



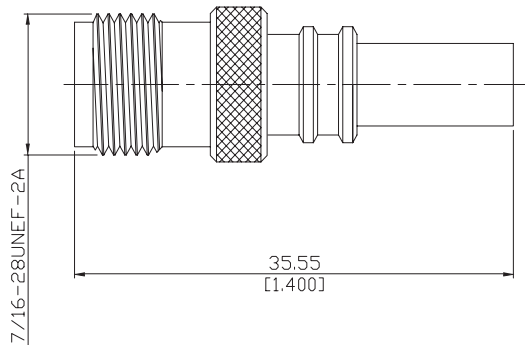
Cable Group	P/N	Crimp Insert
R38	TNC2C50-R200A/H3	CI-G58A
R38	TNC2C50-R200A/H4	CI-G58A
R38	TNC2C50-R200A/HX	CI-G58A

TNC

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.

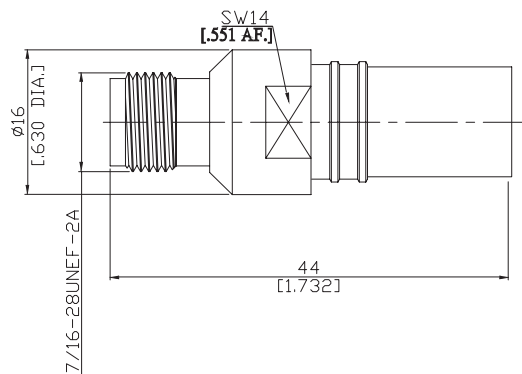


Cable Group	P/N	Crimp Insert
R39	TNC2C50-R240A/H3	CI-G59A
R39	TNC2C50-R240A/H4	CI-G59A
R39	TNC2C50-R240A/HX	CI-G59A

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.

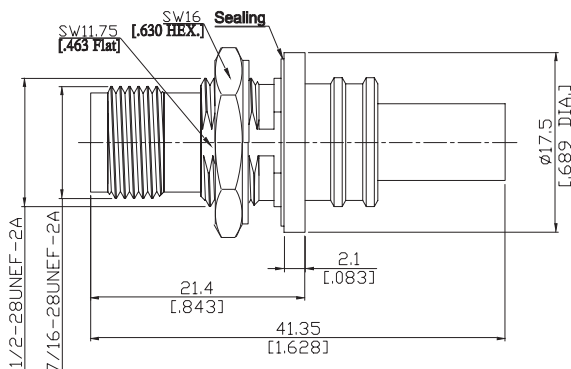


Cable Group	P/N	Crimp Insert
R41	TNC2C50-R400A/H3	CI-R400A
R41	TNC2C50-R400A/H4	CI-R400A
R41	TNC2C50-R400A/HX	CI-R400A

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



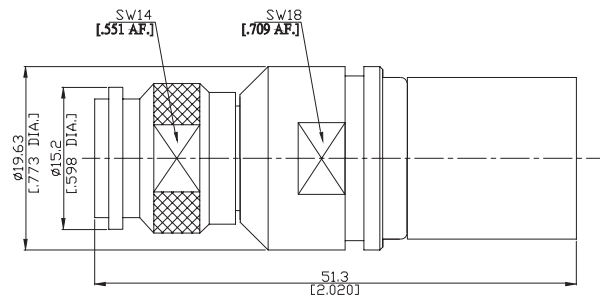
Cable Group	P/N	Crimp Insert	Mounting Dimension
R39	TNC2CA50-R240A/H3	CI-G59A	MD7
R39	TNC2CA50-R240A/H4	CI-G59A	MD7
R39	TNC2CA50-R240A/HX	CI-G59A	MD7

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



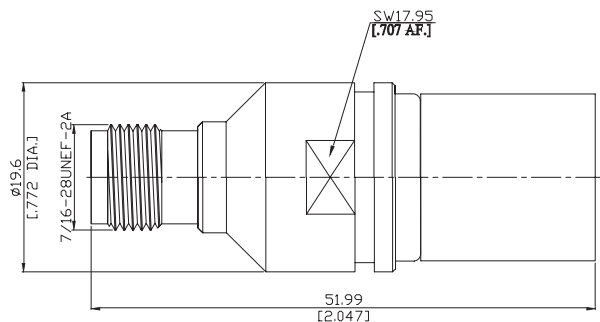
Cable Group	P/N	Crimp Insert
R42	TNC1C50-R600A/133	CI-R600A
R42	TNC1C50-R600A/144	CI-R600A
R42	TNC1C50-R600A/1XX	CI-R600A

Straight Cable Plug

LMR Cable

Center Contact: Plug-in
Cable Entry: Crimp

LMR® is a registered trademark of Times Microwave Systems.



Cable Group	P/N	Crimp Insert
R42	TNC2C50-R600A/H3	CI-R600A
R42	TNC2C50-R600A/H4	CI-R600A
R42	TNC2C50-R600A/HX	CI-R600A

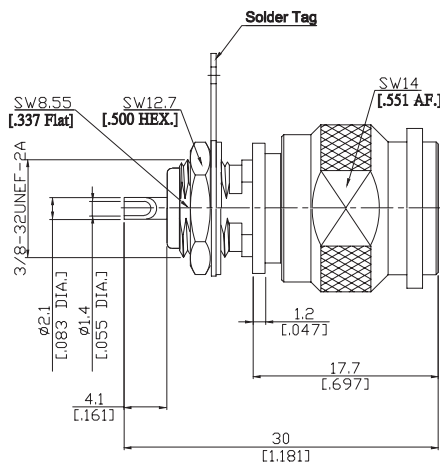
Bulkhead Connectors



TNC Series - Bulkhead Connectors

Straight Bulkhead Receptacle Plug

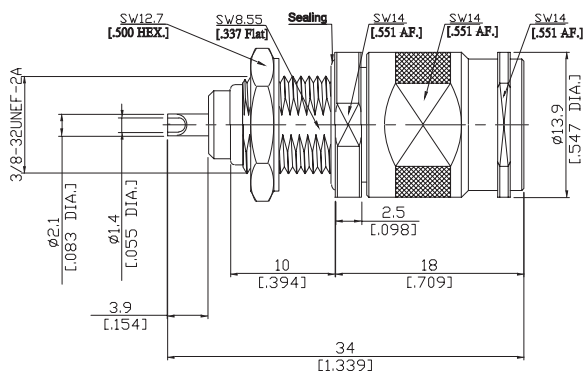
Solder End



P/N	Mounting Dimension
TNC1FB50-3000A/133	MD18
TNC1FB50-3000A/144	MD18
TNC1FB50-3000A/1XX	MD18

Straight Bulkhead Receptacle Plug

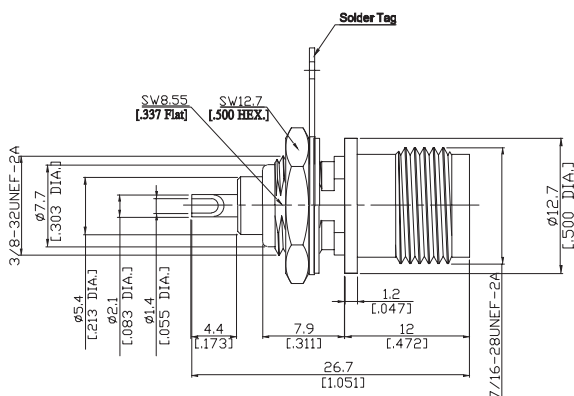
Solder End



P/N	Mounting Dimension
TNC1FB50-3400A/133	MD18
TNC1FB50-3400A/144	MD18
TNC1FB50-3400A/1XX	MD18

Straight Bulkhead Receptacle Jack

Solder End

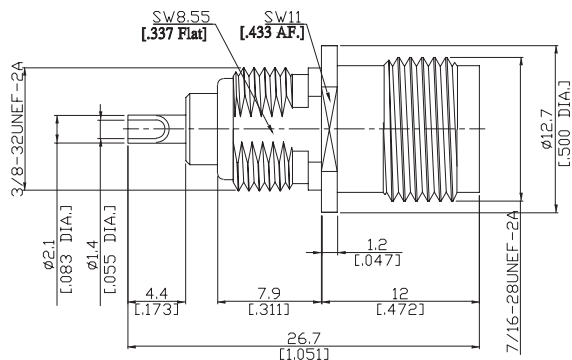


P/N	Mounting Dimension
TNC2FB50-2670A/H3	MD18
TNC2FB50-2670A/H4	MD18
TNC2FB50-2670A/HX	MD18

TNC Series - Bulkhead Connectors

Straight Bulkhead Receptacle Jack

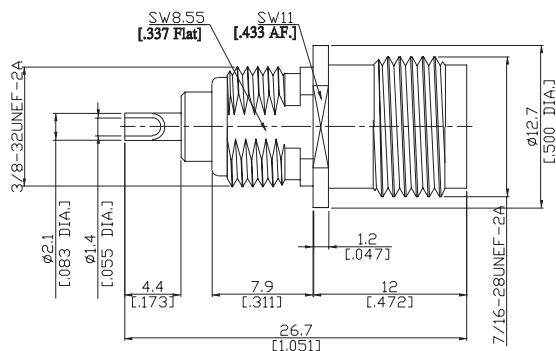
Solder End



P/N	Mounting Dimension
TNC2FB50-2670B/H3	MD18
TNC2FB50-2670B/H4	MD18
TNC2FB50-2670B/HX	MD18

Straight Bulkhead Receptacle Jack

Solder End



P/N	Mounting Dimension
TNC2FB50-2700A/H3	MD59
TNC2FB50-2700A/H4	MD59
TNC2FB50-2700A/HX	MD59

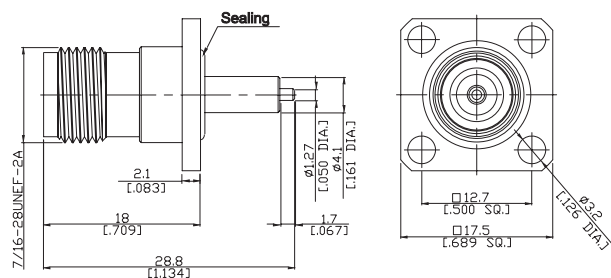
Panel Connectors



TNC Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

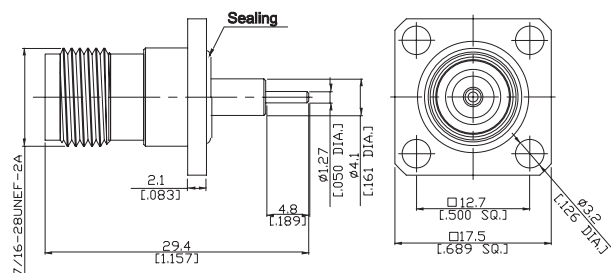
Coaxial End



P/N	Mounting Dimension
TNC2GFA50-2880A/H3	MD66
TNC2GFA50-2880A/H4	MD66
TNC2GFA50-2880A/HX	MD66

Straight Panel Receptacle Jack, 4 Hole Flange

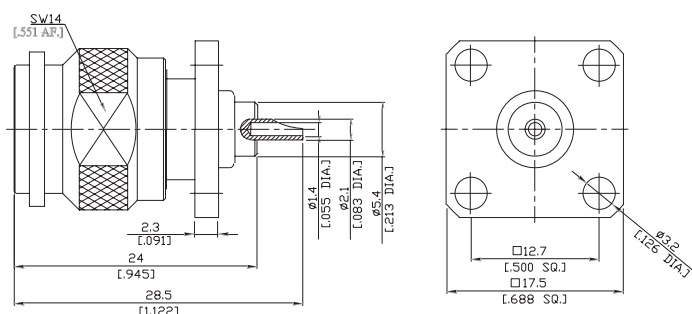
Coaxial End



P/N	Mounting Dimension
TNC2GFA50-2940A/H3	MD66
TNC2GFA50-2940A/H4	MD66
TNC2GFA50-2940A/HX	MD66

Straight Panel Receptacle Plug, 4 Hole Flange

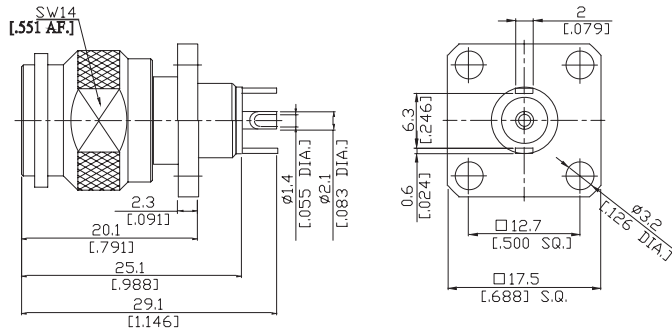
Solder End



P/N	Mounting Dimension
TNC1GFB50-2850A/133	MD39
TNC1GFB50-2850A/144	MD39
TNC1GFB50-2850A/1XX	MD39

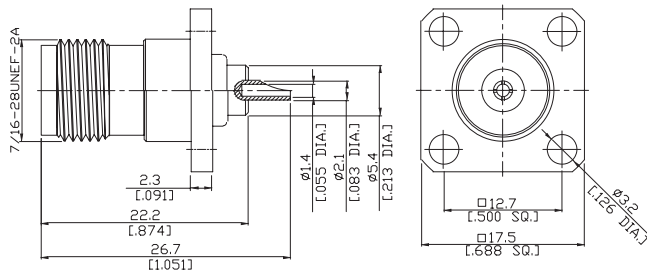
TNC

Solder End



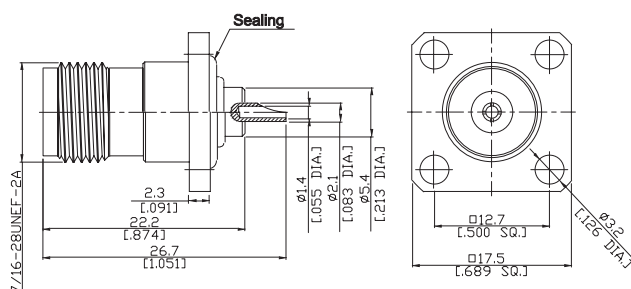
P/N	Mounting Dimension
TNC1GFB50-2910A/133	MD26
TNC1GFB50-2910A/144	MD26
TNC1GFB50-2910A/1XX	MD26

Solder End



P/N	Mounting Dimension
TNC2GFB50-2670A/H3	MD39
TNC2GFB50-2670A/H4	MD39
TNC2GFB50-2670A/HX	MD39

Solder End

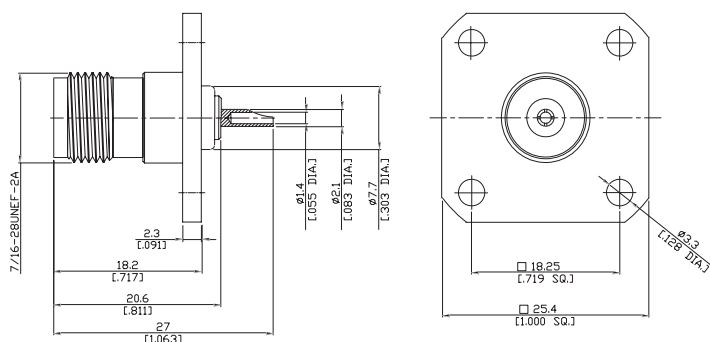


P/N	Mounting Dimension
TNC2GFB50-2670B/H3	MD39
TNC2GFB50-2670B/H4	MD39
TNC2GFB50-2670B/HX	MD39

TNC Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

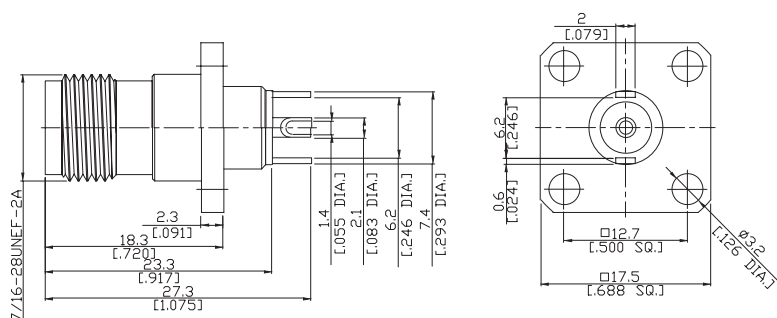
Solder End



P/N	Mounting Dimension
TNC2GFB50-2700A/H3	MD138
TNC2GFB50-2700A/H4	MD138
TNC2GFB50-2700A/HX	MD138

Straight Panel Receptacle Jack, 4 Hole Flange

Solder End



P/N	Mounting Dimension
TNC2GFB50-2730A/H3	MD26
TNC2GFB50-2730A/H4	MD26
TNC2GFB50-2730A/HX	MD26

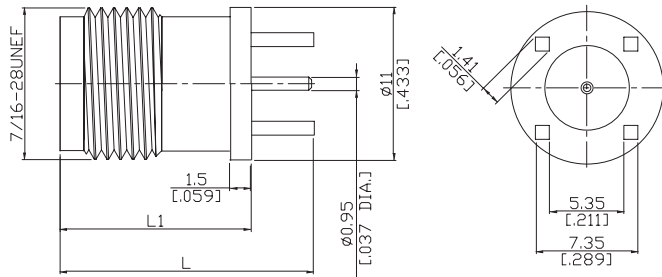
PCB Connectors



TNC Series - PCB Connectors

Straight PCB Through Hole Jack

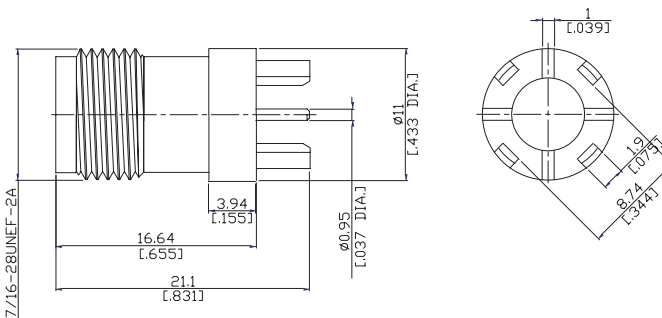
Coaxial End



P/N	L	L1	Mounting Dimension
TNC2150-1820A/93	18.2	13.7	MD104
TNC2150-1820A/94	18.2	13.7	MD104
TNC2150-2265A/93	22.65	18.2	MD104
TNC2150-2265A/94	22.65	18.2	MD104

Straight PCB Through Hole Jack

Coaxial End



P/N	Mounting Dimension
TNC2150-2110A/H3	MD105
TNC2150-2110A/H4	MD105

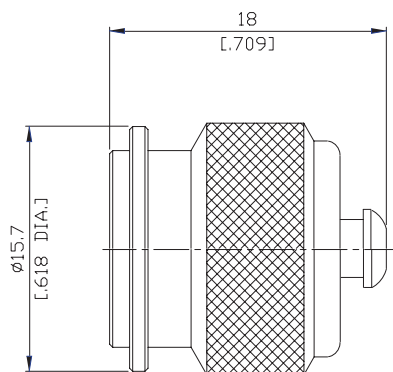
Protective Caps



TNC Series - Protective Caps

Protective Caps Plug

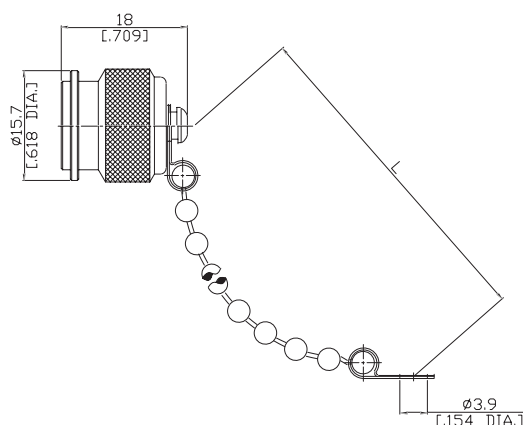
Suitable for 50Ω and 75Ω
Without Chain
For Jacks



P/N
TNC1A00-1800A/-3
TNC1A00-1800A/-4

Protective Caps Plug

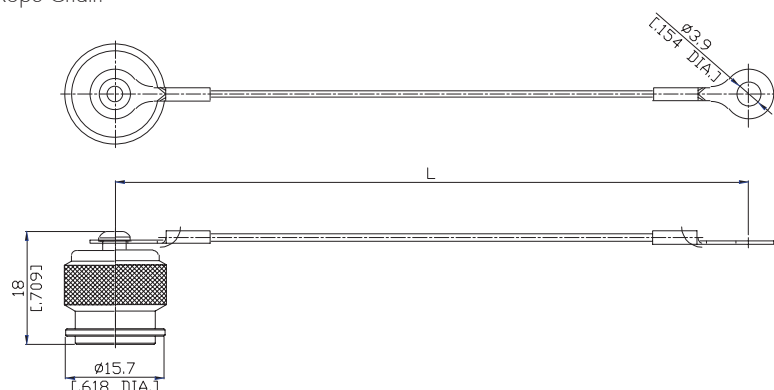
Suitable for 50Ω and 75Ω
With Chain
For Jacks



P/N	L
TNC1A00-1800A-57/-3	5.7
TNC1A00-1800A-57/-4	5.7
TNC1A00-1800A-100/-3	10
TNC1A00-1800A-100/-4	10
TNC1A00-1800A-150/-3	15
TNC1A00-1800A-150/-4	15

Protective Caps Plug

Suitable for 50Ω and 75Ω
With Wire Rope Chain
For Jacks

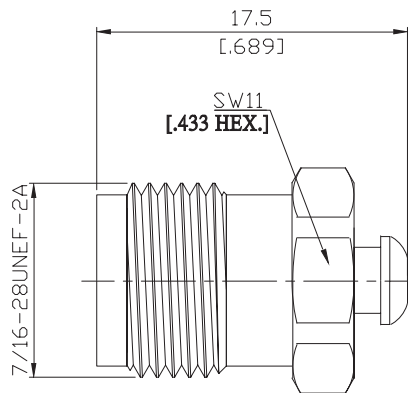


P/N	L
TNC1A00-1800B-100/-3	10
TNC1A00-1800B-100/-4	10
TNC1A00-1800B-150/-3	15
TNC1A00-1800B-150/-4	15

TNC Series - Protective Caps

Protective Caps Jack

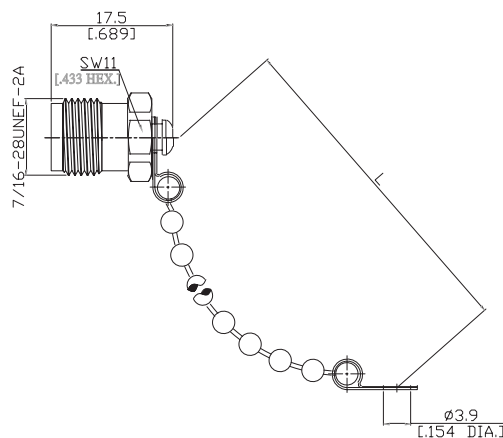
Suitable for 50Ω and 75Ω
Without Chain
For Plugs



P/N
TNC2A00-1750A/-3
TNC2A00-1750A/-4

Protective Caps Jack

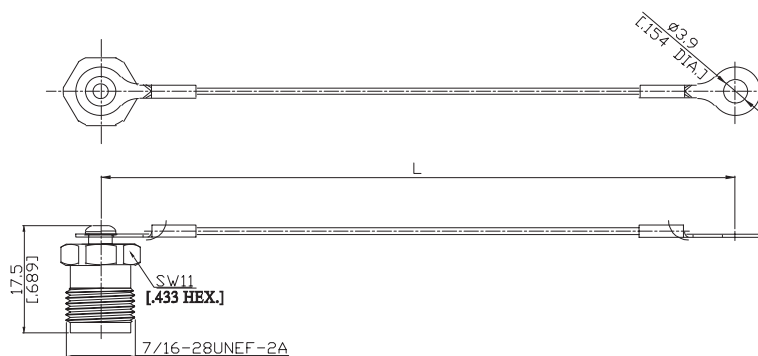
Suitable for 50Ω and 75Ω
With Chain
For Plugs



P/N	L
TNC2A00-1750A-57/-3	5.7
TNC2A00-1750A-57/-4	5.7
TNC2A00-1750A-100/-3	10
TNC2A00-1750A-100/-4	10
TNC2A00-1750A-150/-3	15
TNC2A00-1750A-150/-4	15

Protective Caps Jack

Suitable for 50Ω and 75Ω
With Wire Rope Chain
For Plugs



P/N	L
TNC2A00-1750B-100/-3	10
TNC2A00-1750B-100/-4	10
TNC2A00-1750B-150/-3	15
TNC2A00-1750B-150/-4	15

Additional Notes

TNC

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook paper. There is no handwriting or other markings on the page.

4.1-9.5



ROSNOL offers a full range of 50 Ω 4.1-9.5 connectors, adapters and cable assemblies.

The new 4.1-9.5 RF connectors have been specially developed to meet the ever increasing demands in mobile radio communication applications.

The small size and low weight of these connectors do justice to the miniaturization of mobile radio network components.

Despite their size, the connectors guarantee excellent VSWR (return loss) and passive intermodulation performance (PIM) levels.

All of the 4.1-9.5 connectors meet the requirements of according to International Protection Marking IP 68 and, because of the excellent properties of materials used, are suitable for temperatures ranging from -55°C up to $+155^{\circ}\text{C}$.

Customized connector designs for use at higher temperatures are also possible on demand.

If in doubt, please consult ROSNOL sales representative.

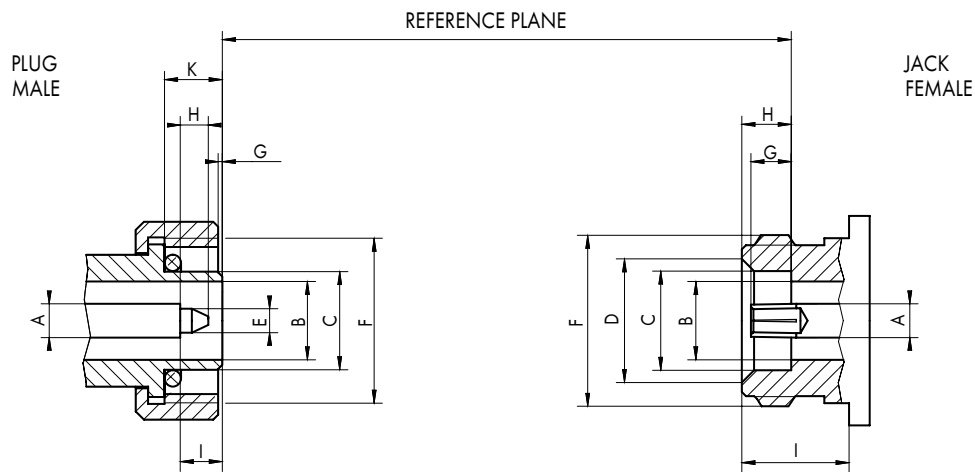
■ Features

- Interface according to IEC 60169-11, DIN 47231
- Impedance 50 Ω
- Frequency range DC to 14 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Adapters are available with Type-N and 7/16 DIN connector interfaces
- Screw-on coupling

■ Applications

- Antennas
- Base Stations
- Cable Assembly
- Cell Installations
- Distributed Antenna Systems (DAS)
- RFID

Interface Dimensions 4.1-9.5



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 4.13/0.163 nom.		Ø 4.13/0.163 nom.	
B	Ø 9.40/0.370	Ø 9.60/0.378	Ø 9.40/0.370	Ø 9.60/0.378
C	Ø 11.84/0.466	Ø 12.02/0.473	Ø 12.03/0.474	Ø 12.21/0.481
D	-	-	Ø 14.90/0.587	Ø 15.00/0.591
E	Ø 2.855/0.112	Ø 2.945/0.116	-	-
F	M20 x 1		M20 x 1	
G	0.00/0.000	1.00/0.039	4.73/0.186	5.03/0.198
H	2.00/0.079	4.00/0.157	5.80/0.228	6.20/0.244
I	5.05/0.199	5.35/0.211	8.00/0.315	-
K	1)		-	-

1) Dimension to meet electrical and mechanical requirements

4.1-9.5 coaxial connectors are robust, weatherproof screw-on connectors with smaller dimensions than 7-16.

-Features

Interface according to IEC 60169-11, DIN 47231
 Impedance 50 Ω
 Frequency range DC to 14 GHz
 Return loss (cable connector straight) ≥ 20 dB (typ.)
 Screw-on coupling

-Product Range

Cable connectors
 Panel connectors
 Adaptors
 Terminations
 Tools & Accessories
 Further connectors available on request.

■ Technical Data 4.1-9.5

Applicable standards	
Interface according to	IEC 60169-11, DIN 47231
Electrical data	
Impedance	50 Ω
Frequency range	DC to 14 GHz
Return loss (cable connector straight)	≥ 20 dB @ DC to 10 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f}$ (GHz) dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 1 m Ω
Outer contact resistance	≤ 0.1 m Ω
Working voltage	500 V rms
Power handling	450 W @ 2 GHz / 90 °C
RF leakage - Interface	≥ 114 dB @ DC to 1 GHz
Intermodulation 3rd order	≤ -160 dBc (2 x 43 dBm)
Mechanical data	
Mating cycles	≥ 500
Coupling nut retention	≥ 500 N
Center contact captivation	axial: ≥ 80 N
Coupling test torque	≤ 15 Nm
Coupling torque recommended	10 Nm
Pitch	≥ 25.4 mm
Environmental data	
Temperature range	-55 °C to +155 °C
Thermal shock	IEC 60169-1, Sub-clause 16.4 (-55 °C / +155 °C)
Climatic category	IEC 60068-2-1 55/155/56
Climatic sequence	IEC 60169-1, Sub-clause 16.2, 55/155/56
Degree of protection	IEC 60529, IP 68
Corrosion resistance	IEC 60169-1, Sub-clause 16.7
Vibration	IEC 60169-1, Sub-clause 15.2.2
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper, Ag plating
Center contact	Pin: Brass, Gold / Silver plating or Beryllium Copper, Gold / Silver plating Socket: Beryllium Copper, Gold / Silver plating
Outer contact	Brass, Silver / Copper-Tin-Zinc Alloy plating
Crimping ferrule	Cu, Copper-Tin-Zinc Alloy plating
Dielectric	PP / PS / PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

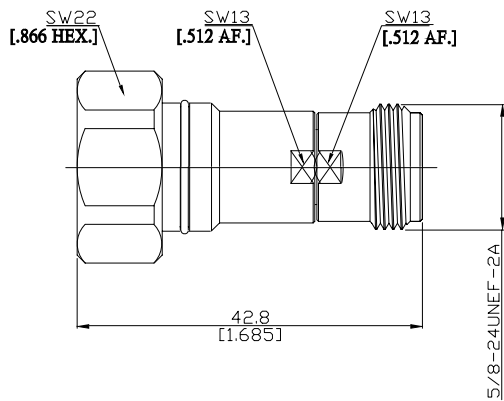
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

Adaptors



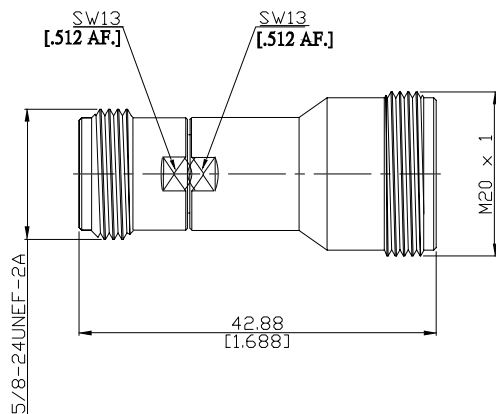
4.1-9.5 Series - Adaptors

4.1-9.5 Plug to Precision N Jack



P/N
AD-MD1PCN25A/144-9X

4.1-9.5 Jack to Precision N Jack



P/N
AD-PCN2MD25A/9X-94

4.1-9.5

Additional Notes

[illegible]

Additional Notes

[illegible]

4.3-10



ROSNOL offers a full range of 4.3-10 connectors and adapters, which are designed for the wireless market and are ideal for applications requiring low passive intermodulation (PIM).

The small size and low weight of these connectors do justice to the miniaturization of mobile radio network components.

Despite their size, the connectors guarantee excellent return loss and passive intermodulation performance (PIM) levels.

In addition, the new connector series is very variable, since one universal cable jack (female) is suitable for mating with 3 kinds of different cable plug (male) designs such as "Hand-screw", "Torque-screw", "Quick-Lock".

All of the 4.3-10 connectors meet the requirements of according to International Protection Marking IP 68 and, because of the excellent properties of materials used, are suitable for temperatures ranging from -55° C up to +90° C.

Customized connector designs for use at higher temperatures are also possible on demand.

If in doubt, please consult ROSNOL sales representative.

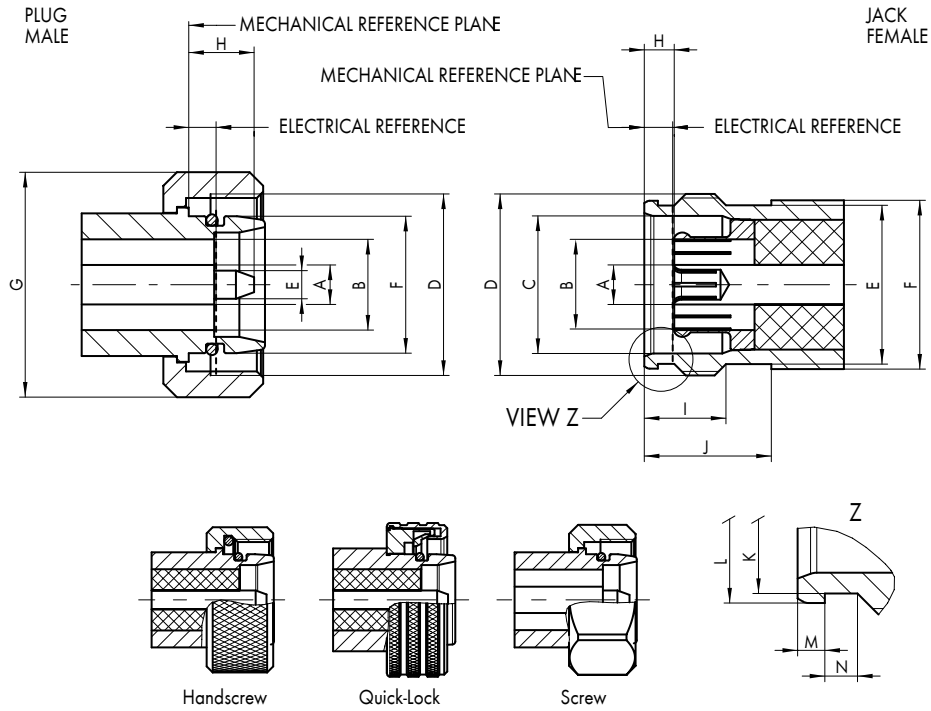
■ Features

- Interface according to IEC 61169-54
- Impedance 50 Ω
- Frequency range DC to 12 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Low-PIM
- Hand-screw, Torque-screw, Quick-lock (Push-Pull) coupling

■ Applications

- Base Stations
- Distributed Antenna Systems (DAS)
- In-building architecture
- small cell applications
- Wireless Infrastructure

Interface Dimensions 4.3-10



-Handscrew Type

- For torquing screw by hand
- For indoor and outdoor applications
- Special feature to prevent unwanted loosening of the coupling nut

-Quick Lock | Push Pull Type

- For Indoor and Outdoor Applications
- No Tooling Required
- Quick Engagement / Disengagement
- Self-Locking

-Screw Type

- Screw-on with recommended torque wrench of 5 Nm
- Recommended for use in extreme climatic conditions

dimension in mm/inch	Plug Male		Jack Female	
	min.	max.	min.	max.
A	Ø 4.35/0.171 nom.		Ø 4.35/0.171 nom.	
B	Ø 10.00/0.394 nom.		Ø 9.80/0.386	Ø 10.20/0.402
C	-	-	Ø 15.13/0.596	Ø 15.19/0.598
D	M 20 x 1		M 20 x 1	
E	Ø 3.07/0.121	Ø 3.13/0.123	Ø 17.45/0.687	Ø 17.55/0.691
F	Ø 15.07/0.593	Ø 15.11/0.595	Ø 18.60/0.732	-
G	SW 22/0.866 HEX.		-	-
H	-	8.00/0.315	3.10/0.122	3.50/0.138
I	-	-	8.70/0.343	9.00/0.354
J	-	-	13.90/0.547	14.10/0.555
K	-	-	Ø 17.40/0.685	Ø 17.50/0.689
L	-	-	Ø 18.44/0.726	Ø 18.50/0.728
M	-	-	Ø 1.44/0.057	Ø 1.50/0.059
N	-	-	Ø 1.70/0.067	Ø 1.90/0.075

-Features

Interface according to IEC 61169-54

Impedance 50 Ω

Frequency range DC to 12 GHz

Return loss (cable connector straight) ≥ 20 dB (typ.)

Hand-screw, Torque-screw, Quick-lock (Push-Pull) coupling

-Product Range

Cable connectors

Panel connectors

Adaptors

Terminations

Tools & Accessories

Further connectors available on request.

■ Technical Data 4.3-10

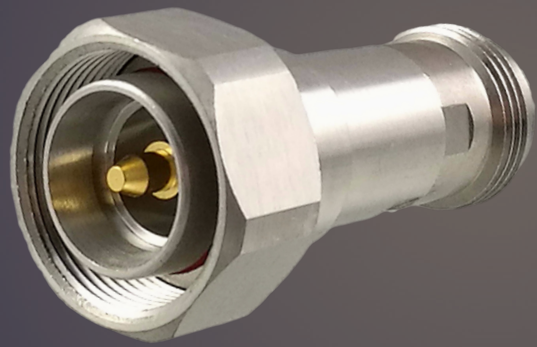
Applicable standards	
Interface according to	IEC 61169-54
Electrical data	
Impedance	50Ω
Frequency range	DC to 12 GHz
Return loss (cable connector straight)	≥ 20 dB @ DC to 12 GHz
Insertion loss	≤ 0.05 x √f (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	2500 V rms
Working voltage	500 V rms
Power handling	500 W @ 2 GHz / 90 °C
RF leakage - Interface	≥ 120 dB @ DC to 6 GHz (screw type) ≥ 90 dB @ DC to 3 GHz (hand-screw / quick-lock) ≥ 70 dB @ 3 GHz to 6 GHz (hand-screw / quick-lock)
Intermodulation 3rd order	≤ -160 dBc [2 x 46 dBm] @ 0.4 to 4 GHz ≤ -166 dBc [2 x 43 dBm] @ 0.4 to 4 GHz
Mechanical data	
Mating cycles	≥ 100
Coupling nut retention	≥ 450 N
Center contact captivation	axial: ≥ 30 N radial: ≥ 5 Ncm
Engagement force	100 N (typ.)
Disengagement force	80 N (typ.)
Coupling test torque	8 Nm
Coupling torque recommended	5 Nm
Pitch	≥ 25.4 mm
Environmental data	
Temperature range	-55 °C to +90 °C
Thermal shock	IEC 61169-1, Sub-clause 9.4.4
Damp heat	IEC 61169-1, Sub-clause 9.4.3
Climatic category	IEC 60068-2-1 55/155/56
Degree of protection (mated pair)	IEC 60529, IP 68
Corrosion resistance	ISO 21207 Method B
Vibration	IEC 61169-1, Sub-clause 9.3.3
Shock	IEC 60068-2-27
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper / Silver plating
Center contact	Pin: Brass, Gold / Silver plating or Beryllium Copper, Gold / Silver plating Socket: Beryllium Copper, Gold / Silver plating
Outer contact	Brass, Silver / Copper-Tin-Zinc Alloy plating
Body	Brass, Copper-Tin-Zinc Alloy plating
Coupling nut	Brass, Copper-Tin-Zinc Alloy plating
Locking sleeve	Brass, Copper-Tin-Zinc Alloy plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

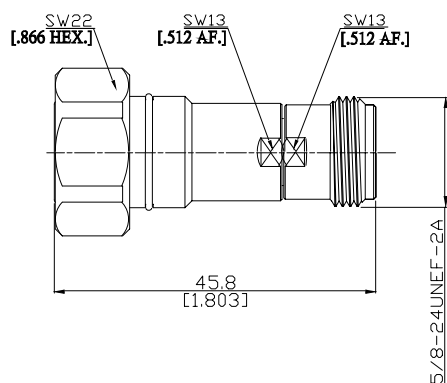
Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

Adaptors



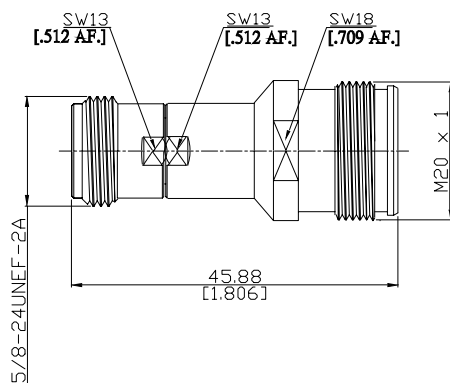
4.3-1.0 Plug to Precision N Jack



P/N

AD-43101PCN25A/144-9X

4.3-1.0 Jack to Precision N Jack



P/N

AD-PCN2431025A/9X-94

Additional Notes

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Additional Notes

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FME



ROSNOL's FME series is a miniature 50 Ω coaxial connector with screw coupling mechanism, offering performance from DC to 3 GHz.

Connector styles are available for flexible and conformable cables.

Crimp and solder techniques are used to terminate this series.

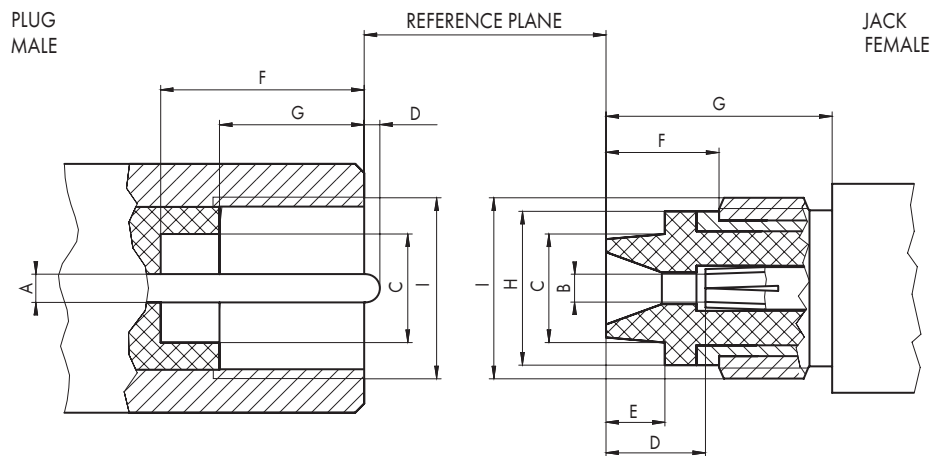
Applications for the FME series are in the area of mobile communications, especially in vehicles due to their precision and durability.

■ Features

- Between series adapters available
- Impedance 50 Ω
- Frequency range DC to 3 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling

■ Applications

- Telecommunications
- Wireless



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 1.25/0.049		-	-
B	-	-	1)	
C	Ø 4.70/0.185	-	-	4.60/0.181
D	0.00/0.000	1.00/0.039	4.00/0.157	5.00/0.197
E	-	-	-	2.60/0.102
F	9.00/0.354	-	4.90/0.193	-
G	6.40/0.252	-	7.60/0.299	-
H	-	-	Ø 6.80/0.268 nom.	
I	M8 x 0.75		M8 x 0.75	

1) Resilient, dimension to meet electrical and mechanical requirements

-Features

- Between series adapters available
- Impedance 50 Ω
- Frequency range DC to 3 GHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling

-Product Range

- Cable connectors
- Further connectors available on request.

■ Technical Data FME

Applicable standards	
Interface according to	ROSNOL FME
Electrical data	
Impedance	50Ω
Frequency range	DC to 3 GHz
Return loss (cable connector straight)	≥ 20 dB (typ.)
Insertion loss	≤ 0.1 x √f (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	1000 V rms
Working voltage	500 V rms
Mechanical data	
Mating cycles	≥ 300
Center contact captivation	≤ 2 Nm
Environmental data	
Temperature range	-55 °C to +125 °C
Corrosion resistance	MIL-STD-202, Method 101
Vibration	MIL-STD-202, Method 204
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Phosphor Bronze, Gold plating
Center contact	Pin: Brass, Gold plating Socket: Phosphor Bronze, Gold plating
Outer contact	Brass, Nickel plating
Crimping ferrule	Brass, Nickel plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

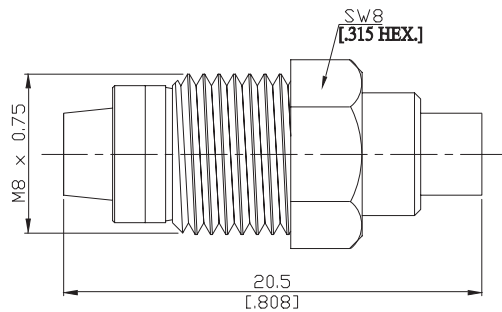
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

FME Series - Cable Connectors

Straight Cable Plug

Semi-Rigid Cable

Center Contact: Soldered
Cable Entry: Soldered

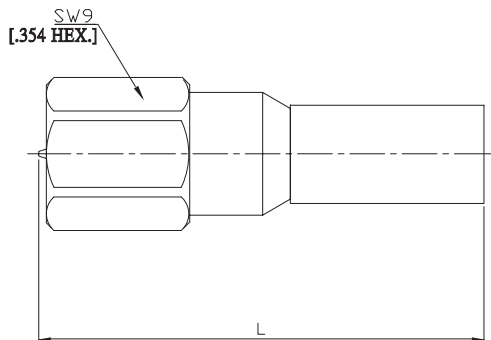


Cable Group	P/N
R14	FME2E50-0085A/H3
R16	FME2E50-0141A/H3

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

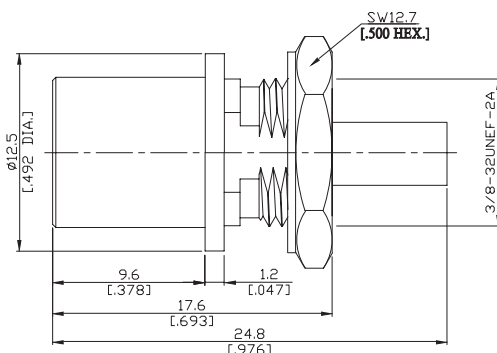


Cable Group	P/N	Crimp Insert	L
R01	FME1C50-G058A/13	CI-G58A	29.2
R02	FME1C50-G142A/13	CI-G58A	29.2
R10	FME1C50-G316A/13	CI-G316A	23.7
R11	FME1C50-D316A/13	CI-G316A	23.7

Straight Bulkhead Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

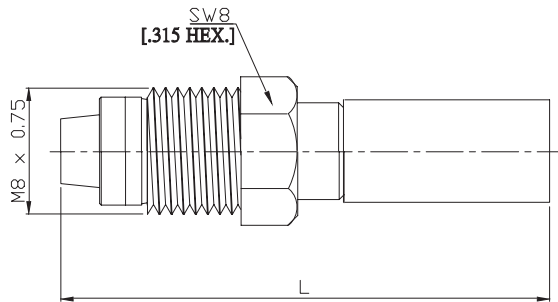


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	FME1CA50-G316A/13	CI-G316A	MD18
R11	FME1CA50-D316A/13	CI-G316A	MD18

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

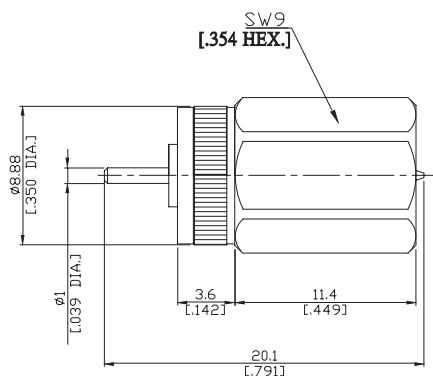


Cable Group	P/N	Crimp Insert	L
R01	FME2C50-G058A/H3	CI-G58A	30.2
R02	FME2C50-G142A/H3	CI-G58A	30.2
R10	FME2C50-G316A/H3	CI-G316A	24.7
R11	FME2C50-D316A/H3	CI-G316A	24.7

FME Series - Bulkhead Connectors

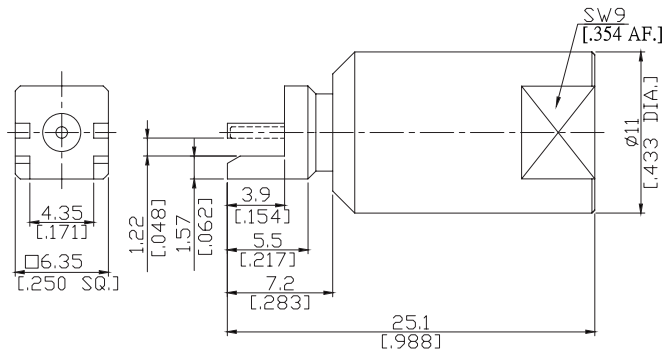
Straight Bulkhead Receptacle Jack

Coaxial End



P/N	Mounting Dimension
FME1FA50-2010A/133	MD

Straight PCB End Launch Jack



P/N

FME1H1A50-0122A/13

Additional Notes

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[illegible]

UHF



ROSNOL's UHF series is a low cost, low frequency connector with a screw coupling. The maximum usable frequency is limited to 300 MHz, as the impedance of the connector is not controlled.

Flexible cables can be used.

Crimp and solder cable entry processes are used for this series.

Applications for the UHF connectors are for low-frequency communication equipment.

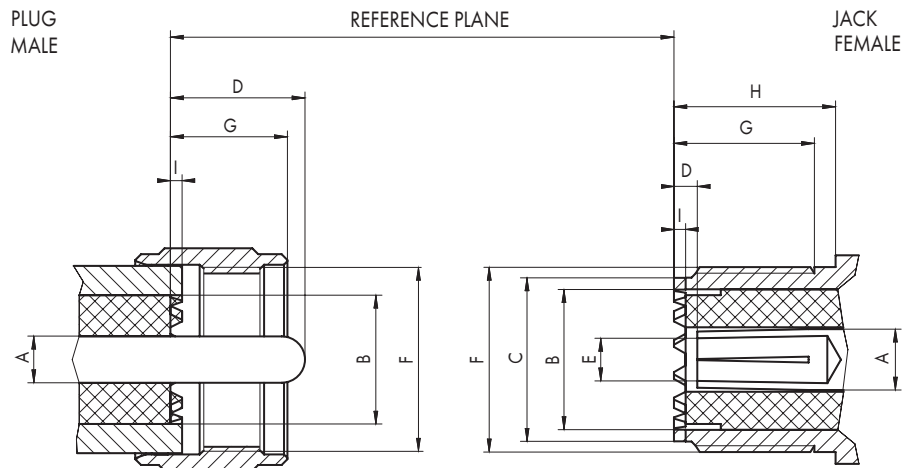
■ Features

- Interface according to IEC 60169-12
- Impedance non-constant
- Frequency range DC to 300 MHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling with notched edges

■ Applications

- Antennas
- Low-Frequency Applications
- Military
- Public Address Systems

Interface Dimensions UHF



	Plug I Male		Jack I Female	
dimension in mm/inch	min.	max.	min.	max.
A	Ø 3.91/0.154	Ø 4.01/0.158	1)	
B	Ø 11.56/0.455	Ø 12.22/0.481	Ø 11.56/0.455	Ø 12.22/0.481
C	-	-	Ø 14.00/0.551	Ø 14.25/0.561
D	-	11.10/0.437	1.02/0.040	-
E	-	-	1)	
F	5/8-24 UNEF-2B		5/8-24 UNEF-2A	
G	-	9.91/0.390	7.87/0.310	-
H	-	-	11.10/0.437	-
I	-	0.89/0.035	0.89/0.035	-

1) Resilient, dimension to meet electrical and mechanical requirements

Screw-on coaxial connectors with frontal interlocking teeth and without defined impedance, for low frequency applications up to 300 MHz, intermateable with banana connectors.

-Features

- Between series adapters available
- Impedance non-constant
- Frequency range DC to 300 MHz
- Return loss (cable connector straight) ≥ 20 dB (typ.)
- Screw-on coupling with notched edges

-Product Range

- Cable connectors
- Further connectors available on request.

■ Technical Data UHF

Applicable standards	
Interface according to	IEC 60169-12
Electrical data	
Impedance	non-constant
Frequency range	DC to 300 MHz
Insulation resistance	$\geq 5 \text{ G}\Omega$
Center contact resistance	$\leq 5 \text{ m}\Omega$
Outer contact resistance	$\leq 5 \text{ m}\Omega$
Test voltage	2000 V _{rms}
Working voltage	750 V _{rms}
Power handling	400 W @ 300 MHz
Contact current	$\leq 10 \text{ A DC}$
Mechanical data	
Mating cycles	≥ 500
Center contact captivation	axial: $\geq 30 \text{ N}$
Environmental data	
Temperature range	-25 °C to +70 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Phosphor Bronze, Silver / Gold plating
Center contact	Pin: Brass, Gold plating Socket: Phosphor Bronze, Gold plating
Outer contact	Brass, Nickel plating
Crimping ferrule	Cu, Nickel plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

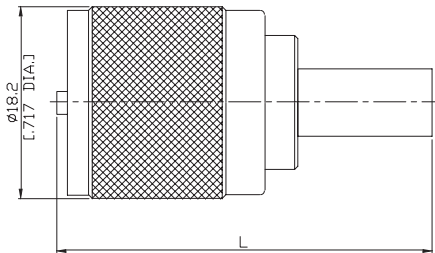
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

UHF Series - Cable Connectors

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

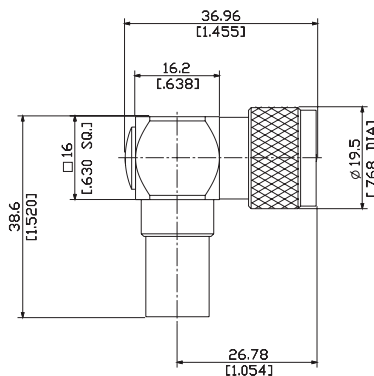


Cable Group	P/N	Crimp Insert	L
R01	UHF1CN0-G058A/100	CI-G58A	33.35
R01	UHF1CN0-G058A/133	CI-G58A	33.35
R02	UHF1CN0-G142A/100	CI-G58A	33.35
R02	UHF1CN0-G142A/133	CI-G58A	33.35
R05	UHF1CN0-G213A/100	CI-G214A	35.95
R05	UHF1CN0-G213A/133	CI-G214A	35.95
R06	UHF1CN0-G214A/100	CI-G214A	35.95
R06	UHF1CN0-G214A/133	CI-G214A	35.95

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

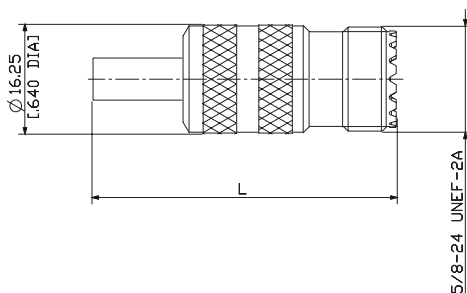


Cable Group	P/N	Crimp Insert
R05	UHF1CN9-G213A/100	CI-G214A
R05	UHF1CN9-G213A/133	CI-G214A
R06	UHF1CN9-G214A/100	CI-G214A
R06	UHF1CN9-G214A/133	CI-G214A

Straight Cable Jack

Flexible Cable

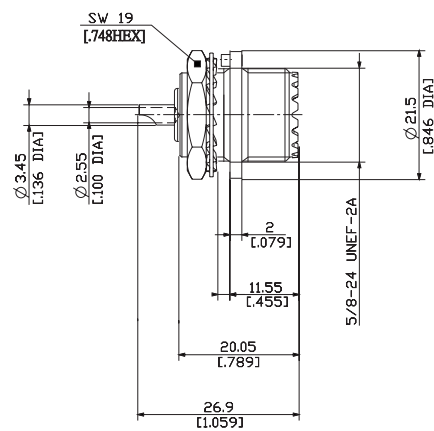
Center Contact: Soldered
Cable Entry: Crimp



Cable Group	P/N	Crimp Insert	L
R01	UHF2CN0-G058A/H0	CI-G58A	45.1
R01	UHF2CN0-G058A/H3	CI-G58A	45.1
R02	UHF2CN0-G142A/H0	CI-G58A	45.1
R02	UHF2CN0-G142A/H3	CI-G58A	45.1
R05	UHF2CN0-G213A/H0	CI-G214A	47.3
R05	UHF2CN0-G213A/H3	CI-G214A	47.3
R06	UHF2CN0-G214A/H0	CI-G214A	47.3
R06	UHF2CN0-G214A/H3	CI-G214A	47.3

Straight Bulkhead Cable Jack

Solder End

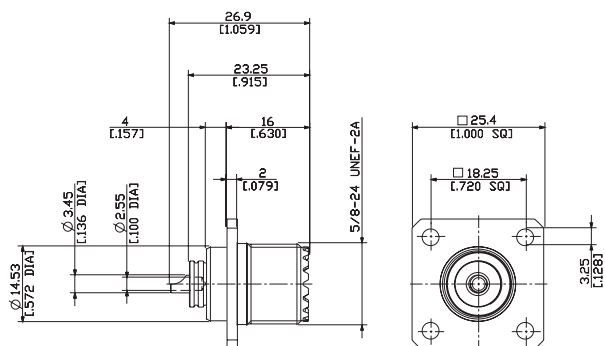


P/N	Mounting Dimension
UHF2FBN0-2690A/H3	MD139

UHF Series - Panel Connectors

Straight Panel Receptacle Jack, 4 Hole Flange

Solder End



P/N	Mounting Dimension
UHF2GFBNO-2690A/H3	MD11

UHF

[illegible]

Mini UHF



ROSNOL's Mini-UHF has screw-on coupling and can be used up to a frequency of 2.5 GHz.

Unlike the UHF, the Mini-UHF series is impedance controlled at 50 Ω .

Connector styles are available for flexible and conformable cables.

Crimp and solder cable entry processes are used for this series.

Applications for the Mini-UHF series are in the area of mobile radios and mobile communications, especially in vehicles.

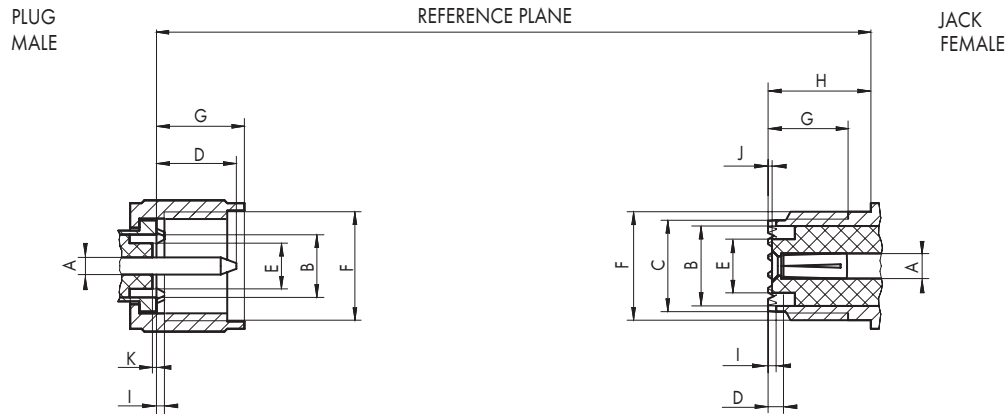
■ Features

- Teflon insulators provide higher temperature range
- Impedance 50 Ω
- Frequency range DC to 2.5 GHz
- Return loss (cable connector straight) ≥ 15 dB (typ.)
- Screw-on coupling with notched edges

■ Applications

- Antennas
- Cable Modems
- Communications
- PC/LAN

■ Interface Dimensions Mini UHF



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 1.50/0.059	Ø 1.65/0.065	Ø 2.20/0.087 nom. ¹⁾	
B	Ø 5.50/0.217 nom.		-	Ø 7.00/0.276
C	-	-	7.90/0.311	8.10/0.319
D	6.00/0.236	7.30/0.287	0.80/0.031	2.00/0.079
E	Ø 4.00/0.157 nom.		Ø 4.70/0.185 nom.	
F	3/8-24 UNF-2B		3/8-24 UNF-2A	
G	6.50/0.256	8.00/0.315	6.50/0.256	-
H	-	-	8.50/0.335	-
I	0.63/0.025	0.77/0.030	0.63/0.025	0.77/0.030
J	0.00/0.000	0.70/0.028	0.00/0.000	0.50/0.020

1) Resilient, dimension to meet electrical and mechanical requirements

Screw-on coaxial connectors, modified and miniaturized UHF connectors, with frontal interlocking teeth, with a defined impedance of 50 Ω and improved electrical characteristics for applications up to 2.5 GHz.

-Features

- Impedance 50 Ω
- Frequency range DC to 2.5 GHz
- Return loss (cable connector straight) ≥ 15 dB (typ.)
- Screw-on coupling with notched edges

-Product Range

- Cable connectors
- Adaptors
- Further connectors available on request.

■ Technical Data Mini UHF

Applicable standards	
Interface according to	N/A
Electrical data	
Impedance	50 Ω
Frequency range	DC to 2.5 GHz
Return loss (cable connector straight)	≥ 15 dB (typ.)
Insertion loss	$\leq 0.1 \times \sqrt{f}$ (GHz) dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 5 m Ω
Outer contact resistance	≤ 3 m Ω
Test voltage	1000 V rms
Working voltage	335 V rms
Contact current	≤ 10 A DC
Mechanical data	
Mating cycles	≥ 500
Center contact captivation	axial: ≥ 20 N
Environmental data	
Temperature range	-55 °C to +85 °C
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Phosphor Bronze, Gold plating
Center contact	Pin: Brass, Gold plating Socket: Phosphor Bronze, Gold plating
Outer contact	Brass, Nickel plating
Crimping ferrule	Cu, Nickel plating
Dielectric	PS / PTFE
Gasket	Silicone Rubber

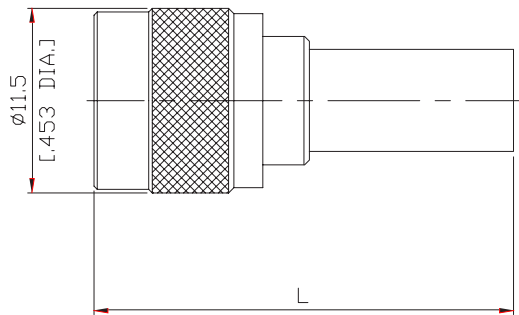
ROSNOL connectors fulfill in principle the indicated data of the Technical data.
Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

Mini UHF Series - Cable Connectors

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

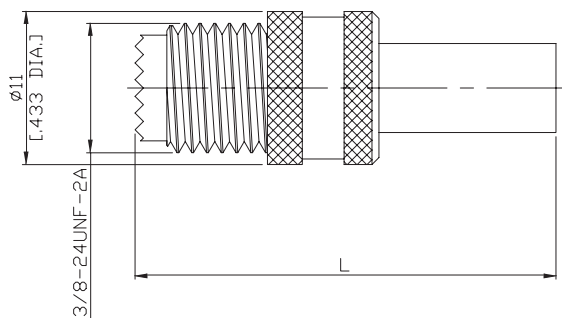


Cable Group	P/N	Crimp Insert	L
R01	MUHF1C50-G058A/133	CI-G58A	26.1
R02	MUHF1C50-G142A/133	CI-G58A	26.1
R10	MUHF1C50-G316A/133	CI-G316A	20.6
R11	MUHF1C50-D316A/133	CI-G316A	20.6

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

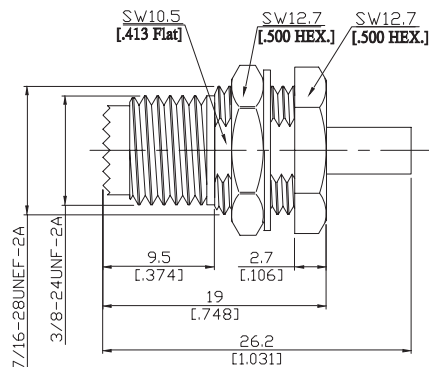


Cable Group	P/N	Crimp Insert	L
R01	MUHF2C50-G058A/H3	CI-G58A	30.2
R02	MUHF2C50-G142A/H3	CI-G58A	30.2
R10	MUHF2C50-G316A/H3	CI-G316A	24.7
R11	MUHF2C50-D316A/H3	CI-G316A	24.7

Straight Bulkhead Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

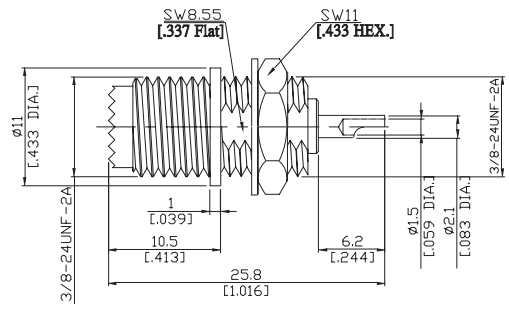


Cable Group	P/N	Crimp Insert	Mounting Dimension
R10	MUHF2CA50-G316A/H4	CI-G316A	MD140
R11	MUHF2CA50-D316A/H4	CI-G316A	MD140

Mini UHF Series - Bulkhead Connectors

Straight Bulkhead Receptacle Jack

Solder End



P/N	Mounting Dimension
MUHF2FB50-2580A/H3	MD18

Mini UHF

Additional Notes

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Additional Notes

[illegible]

MHV



ROSNOL offers a variety of MHV (miniature high voltage) connectors for demanding high-voltage applications. Weatherproof MHV connectors feature a quick-disconnect, bayonet-locking coupling mechanism.

MHV connector looks almost identical to a typical BNC connectors, but MHV and BNC connectors are incompatible.

The MHV connector families are available as male and female cable connectors, with standard and polarized interfaces, in crimp-on or clamp-on versions for a variety of different cables with diameters from 0.150 to 0.250 inches, and in bulkhead and panel-mounted receptacles. They are available with a variety of finish options, including silver, nickel, Copper-Tin-Zinc alloy, and gold plating.

All Rosnol MHV connectors will mate with connectors and adapters that incorporate MIL-STD-348B/303 MHV interfaces.

MHV connectors is typically rated for DC 5 kV rms and 3A(ampere) ,applications up to 300 MHz.

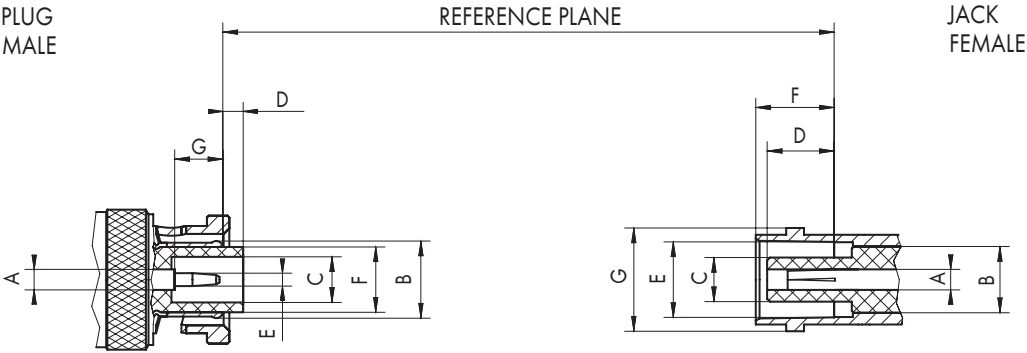
■ Features

- Interface according to MIL-STD-348B/303
- Impedance 50 Ω
- Frequency range DC to 300 MHz
- Used for high voltage applications up to 5000 volts DC
- Bayonet-lock coupling

■ Applications

- High Voltage Power Supplies
- Nuclear Control Instrumentation
- Transmission Lines
- X-Ray

■ Interface Dimensions MHV (High Voltage BNC)



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 2.26/0.089	Ø 2.31/0.091	Ø 2.06/0.081	Ø 2.31/0.091
B	1)		Ø 7.21/0.284	Ø 7.37/0.290
C	Ø 4.83/0.190	Ø 4.93/0.194	-	Ø 4.72/0.186
D	-	2.18/0.086	7.34/0.289	7.90/0.311
E	Ø 1.32/0.052	Ø 1.37/0.054	Ø 8.10/0.319	Ø 8.15/0.321
F	7.06/0.278	7.16/0.282	8.31/0.327	8.51/0.335
G	7.62/0.300	-	10.97/0.432	11.07/0.436

1)Resilient, dimension to meet electrical and mechanical requirements

MHV (Miniature High Voltage): coaxial high voltage connectors, based on BNC connectors, with two-stud bayonet locking system, for applications under highest safety demands up to 4 GHz. MHV and BNC connectors are not intermateable.

-Features

- Interface according to MIL-STD-348B/303
- Impedance 50 Ω
- Frequency range DC to 300 MHz
- Used for high voltage applications up to 5000 volts DC
- Bayonet-lock coupling

-Product Range

- Cable connectors
- Bulkhead connectors
- Panel connectors (coaxial and solder end type)
- Adaptors
- Further connectors available on request.

■ Technical Data MHV (High Voltage BNC)

Applicable standards	
Interface according to	MIL-STD-348B/303
Electrical data	
Impedance	50 Ω
Frequency range	DC to 300 MHz
Insulation resistance	$\geq 5 \text{ G}\Omega$
Center contact resistance	$\leq 2 \text{ m}\Omega$
Outer contact resistance	$\leq 0.2 \text{ m}\Omega$
Test voltage	5000 V rms
Working voltage	1600 V rms
Mechanical data	
Mating cycles	≥ 500
Coupling nut retention	$\geq 450 \text{ N}$
Center contact captivation	axial: $\geq 18 \text{ N}$ radial: $\geq 3 \text{ Ncm}$
Environmental data	
Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Climatic category	IEC 60068-2-1 65/165/21
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper, Gold plating
Center contact	Pin: Brass, Gold plating Socket: Phosphor Bronze, Gold plating
Outer contact	Brass, Copper-Tin-Zinc Alloy plating
Crimping ferrule	Cu, Copper-Tin-Zinc Alloy plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

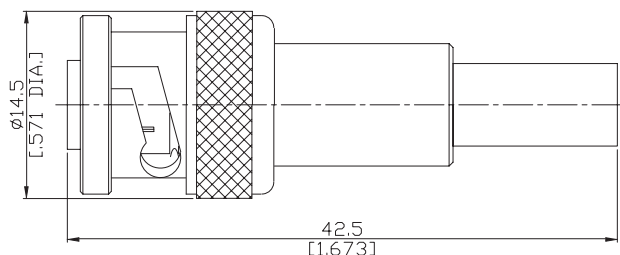
Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

MHV Series - Cable Connectors

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

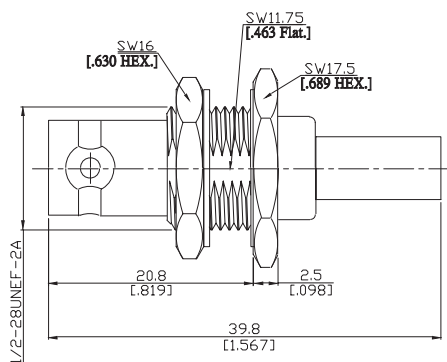


Cable Group	P/N	Crimp Insert
R01	MHV1C50-G058A / 144	CI-G58A
R46	MHV1C70-G059A/144	CI-G59A

Straight Bulkhead Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

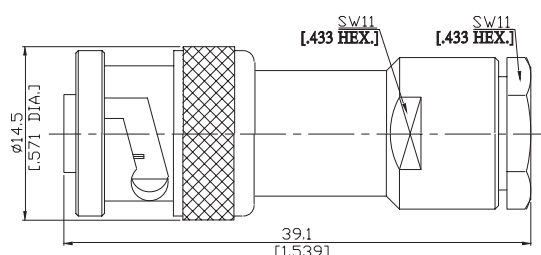


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	MHV2CA50-G058A / H4	CI-G58A	MD7

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

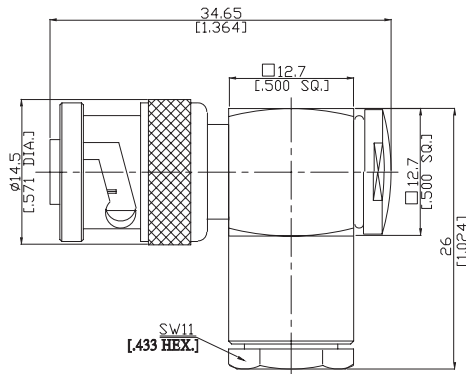


Cable Group	P/N
R01	MHV1D50-G058A / 144
R46	MHV1D70-G059A/144

Right Angle Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

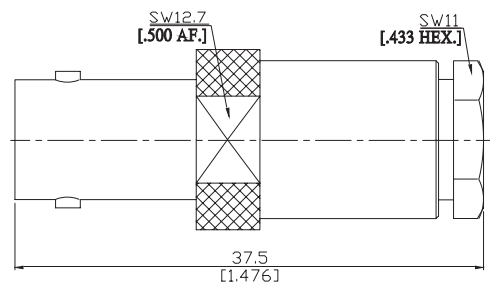


Cable Group	P/N
R01	MHV1D59-G058A/144

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

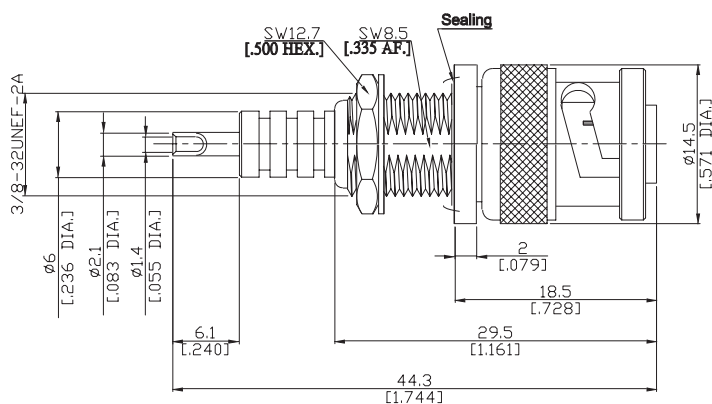


Cable Group	P/N
R01	MHV2D50-G058A / H4

MHV Series - Bulkhead Connectors

Straight Bulkhead Receptacle Jack

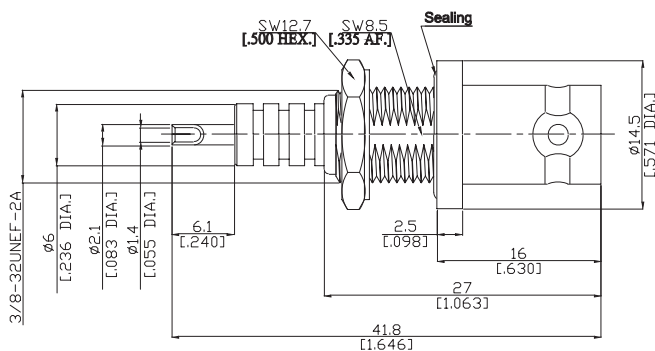
Solder End



P/N	Mounting Dimension
MHV1FB50-4430A / 144	MD49

Straight Bulkhead Receptacle Jack

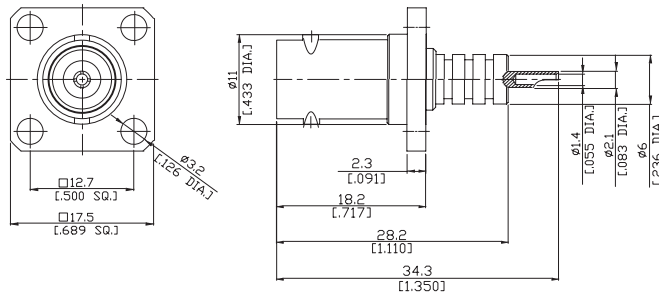
Solder End



P/N	Mounting Dimension
MHV2FB50-4180A / H4	MD49

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End



P/N	Mounting Dimension
MHV2GFB50-3430A/H4	MD9

Additional Notes

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Additional Notes

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SHV



Rosnol offers a variety of SHV connectors for demanding high-voltage applications up to 5 kV DC or 3.5 kVrms.

SHV connectors incorporate an added safety feature with outer contacts that remain grounded throughout the connector-mating sequence. SHV connector families are available as male and female cable connectors, with standard and polarized interfaces, in crimp-on or clamp-on versions for a variety of different cables with diameters from 0.150 to 0.250 inches, and in bulkhead and panel-mounted receptacles. They are available with a variety of finish options, including silver, nickel, Copper-Tin-Zinc alloy and gold plating.

All Rosnol SHV connectors will mate with connectors and adapters that are based on MIL-STD-348 SHV interfaces.

SHV and BNC connectors are incompatible.

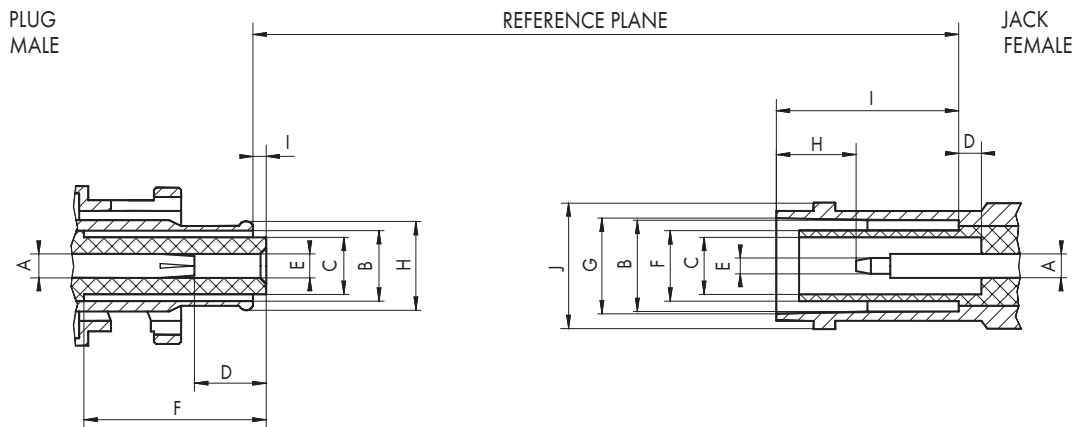
■ Features

- Interface according to MIL-STD-348B/314
- Impedance 50 Ω
- Frequency range DC to 300 MHz
- Used for high voltage applications up to 3500 V rms
- Bayonet-lock coupling

■ Applications

- High Voltage Power Supplies
- Nuclear Control Instrumentation
- Transmission Lines
- X-Ray

■ Interface Dimensions SHV (Safe High Voltage)



dimension in mm/inch	Plug I Male		Jack I Female	
	min.	max.	min.	max.
A	Ø 2.06/0.081	Ø 2.11/0.083	Ø 2.06/0.081	Ø 2.11/0.083
B	Ø 6.71/0.264	-	Ø 8.10/0.319	Ø 8.15/0.321
C	Ø 4.57/0.180	Ø 4.72/0.186	Ø 4.83/0.190	Ø 4.98/0.196
D	6.05/0.238	6.65/0.262	1.63/0.064	2.18/0.086
E	Ø 2.08/0.082	-	Ø 1.32/0.052	Ø 1.37/0.054
F	15.95/0.628	16.05/0.632	-	Ø 6.60/0.260
G	-	-	Ø 8.33/0.328	Ø 8.46/0.333
H	1)		6.32/0.249	7.26/0.286
I	1.17/0.046	1.63/0.064	15.90/0.626	16.00/0.630
J	-	-	10.97/0.432	11.07/0.436

1) Resilient, dimension to meet electrical and mechanical requirements

SHV (Safe High Voltage - Nuclear Instrumentation Module Standard): Reverse polarity, coaxial high voltage connectors with two-stud bayonet locking system, based on BNC connectors, for applications under highest safety demands up to 4 GHz, e.g. in nuclear engineering. SHV and BNC connectors are not intermateable.

-Features

Interface according to MIL-STD-348B/314
 Impedance 50 Ω
 Frequency range DC to 300 MHz
 Used for high voltage applications up to 3500 V rms
 Bayonet-lock coupling

-Product Range

Cable connectors
 Bulkhead connectors
 Adaptors
 Further connectors available on request.

■ Technical Data SHV (Safe High Voltage)

Applicable standards	
Interface according to	MIL-STD-348B/314
Electrical data	
Impedance	50 Ω
Frequency range	DC to 300 MHz
Insulation resistance	$\geq 10^3$ G Ω
Center contact resistance	≤ 2 m Ω
Outer contact resistance	≤ 1.5 m Ω
Test voltage	5000 V rms
Working voltage	3500 V rms 5000 V DC
Operating current	500 mA (average) 10 A (peak)
Mechanical data	
Mating cycles	≥ 500
Coupling nut retention	≥ 450 N
Center contact captivation	axial: ≥ 27 N radial: ≥ 3 Ncm
Environmental data	
Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Climatic category	IEC 60068-2-1 55/155/21
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Moisture resistance	MIL-STD-202, Method 106
Vibration	MIL-STD-202, Method 204, Condition A
Shock	MIL-STD-202, Method 213, Condition I
Max. soldering temperature (PCB connectors)	IEC 61760-1, +260 °C for 10 sec.
Materials	
Spring loaded contact parts	Beryllium Copper, Gold plating
Center contact	Pin: Brass, Gold plating or Phosphor Bronze, Gold plating Socket: Phosphor Bronze, Gold plating
Outer contact	Brass, Copper-Tin-Zinc Alloy plating
Crimping ferrule	Cu, Copper-Tin-Zinc Alloy plating
Dielectric	PTFE
Gasket	Silicone Rubber

ROSNOL connectors fulfill in principle the indicated data of the Technical data.

Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution.

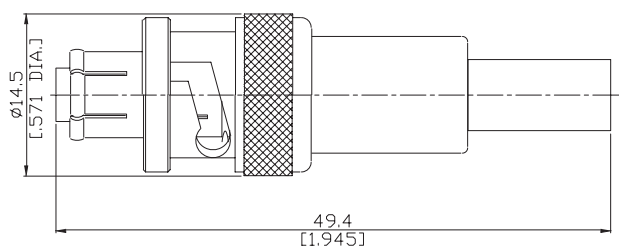
Specific data sheets for particular products can be provided on request from your ROSNOL sales representative.

SHV Series - Cable Connectors

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

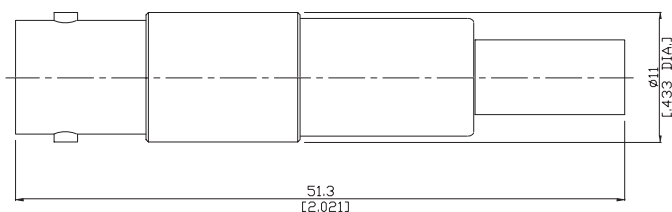


Cable Group	P/N	Crimp Insert
R01	SHV1C50-G058A/133	CI-G58A
R02	SHV1C50-G142A/133	CI-G58A
R46	SHV1C70-G059A/133	CI-G59A

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

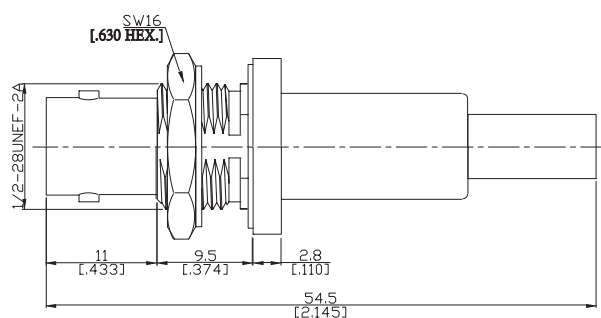


Cable Group	P/N	Crimp Insert
R01	SHV2C50-G058A/H3	CI-G58A
R02	SHV2C50-G142A/H3	CI-G58A
R46	SHV2C70-G059A/H3	CI-G59A

Straight Bulkhead Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Crimp

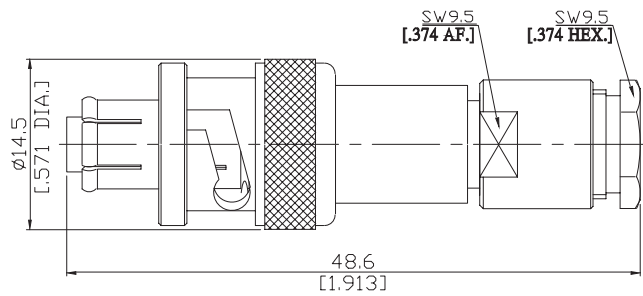


Cable Group	P/N	Crimp Insert	Mounting Dimension
R01	SHV2CA50-G058A/H3	CI-G58A	MD7
R02	SHV2CA50-G142A/H3	CI-G58A	MD7
R46	SHV2CA70-G059A/H3	CI-G59A	MD7

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

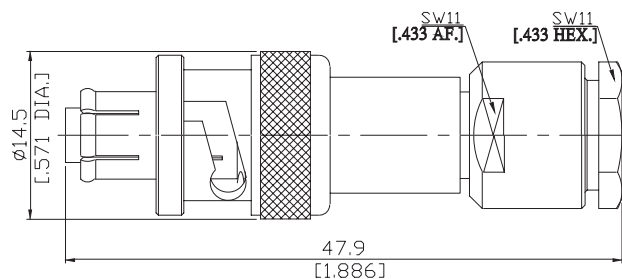


Cable Group	P/N
R01	SHV1D50-G058A/133
R02	SHV1D50-G142A/133
R46	SHV1D70-G059A/133

Straight Cable Plug

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

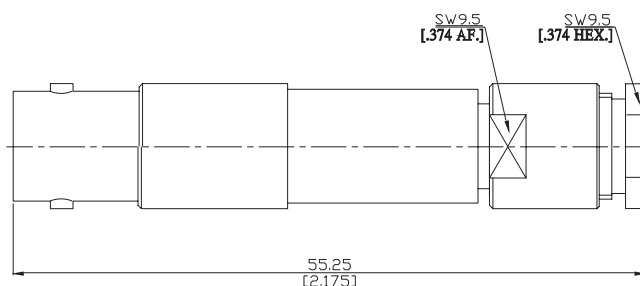


Cable Group	P/N
R01	SHV1D50-G058B/133
R02	SHV1D50-G142B/133

Straight Cable Jack

Flexible Cable

Center Contact: Soldered
Cable Entry: Clamp

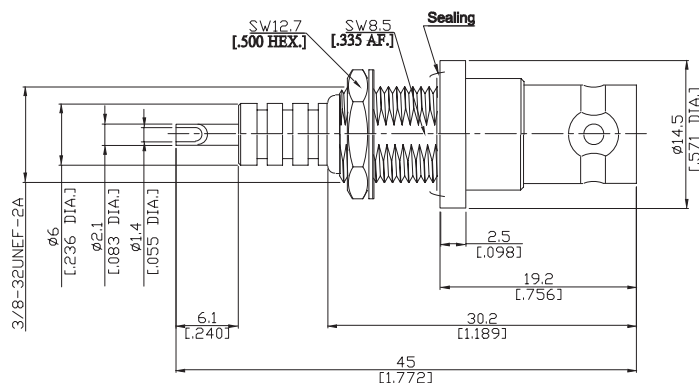


Cable Group	P/N
R01	SHV2D50-G058A/H3
R02	SHV2D50-G142A/H3

SHV Series - Bulkhead Connectors

Straight Bulkhead Receptacle Jack

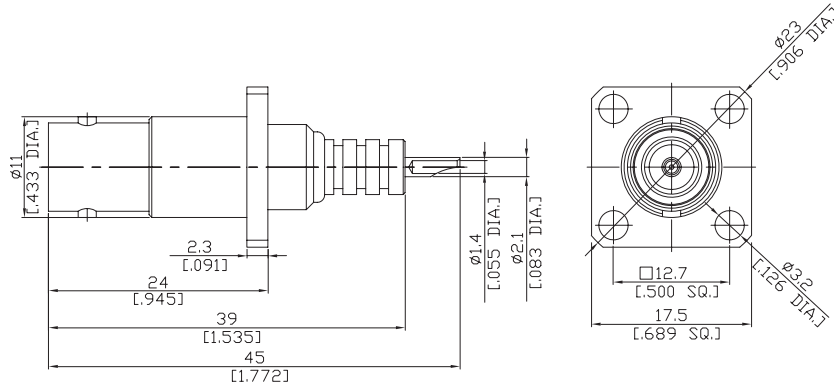
Solder End



P/N	Mounting Dimension
SHV2FB50-4500A/H3	MD52

Straight Panel Receptacle Jack, 4 Hole Flange

Coaxial End



P/N	Mounting Dimension
SHV2GFB50-4500A/H3	MD9

Additional Notes

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Additional Notes

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Additional Notes

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ADAPTORS



Straight Adaptors Connector matching matrix

	4.1/9.5	4.3/10	716	BMA	BNC	C	FME	HN	MCX	Mini UHF	MMCX	N-Snap-On	N	Precision N	RPC 1.85	
4.1/9.5														14		
4.3/10														13		
716			17													
BMA				8												
BNC					12				42	43			30			
C						19										
FME							22						67			
HN								21					64			
MCX					42				15				68			
Mini UHF					43								65			
MMCX											16					
N-Snap-On													50			
N					30		67	64	68	65		50	14			
Precision N	38	37												6		
RPC 1.85															1	
RPC2.4																
RPC2.92														55	73	
RPC3.5														36		
RPC 7																
SC													52			
SHV													66			
SMA Snap-On																
SMA				41	28		32		39	48	49	51	25	26		
SMB					44								53			
SMC					45											
SMP																
SSMB					46											
TNCA														56		
TNC					29								31			
UHF					47								54			

How to find an adaptor

The interface pairing of an adaptor can be found in the matrix above.

The various interface services are listed in the first column and row. The matrix number is the intercept point of two interfaces (e.g 15 for MCX to MCX). The matrix number can be found in the upper left corner of the detail adaptors information in the following pages. The adaptors are sorted by this matrix number in ascending order. Consequently all MCX to MCX adaptors have the matrix number 15 and are in immediate succession. If the adaptor consists of two different interfaces the matrix number can be found either by following the row and then the column or vice versa. For example row MCX and column N leads to 68 as well as N and column MCX.

If there is no number in an intercept point there are no adaptors for this connector pairing available.

	RPC 2.4	RPC 2.92	RPC 3.5	RPC 7	SC	SHV	SMA Snap-On	SMA	SMB	SMC	SMP	SSMB	TNCA	TNC	UHF	
																4.1/9.5
																4.3/10
																716
								41								BMA
								28	44	45		46		29	47	BNC
																C
								32								FME
																HN
								39								MCX
								48								Mini UHF
								49								MMCX
								51								N-Snap On
					52	66		25	53					31	54	N
		55	36					26					56			Precision N
	73															RPC 1.85
	2	34	35					71								RPC 2.4
	34	3	33	57				70								RPC 2.92
	35	33	4	58				72								RPC 3.5
		57	58	5				59								RPC 7
																SC
						18										SHV
								40								SMA Snap-On
	71	70	72	59			40	7	60	69		61	62	27		SMA
								60	9							SMB
								69		10						SMC
																SMP
								61								SSMB
								62					24			TNCA
								27						13	63	TNC
														63	23	UHF

Tracking examples

Interface pairing

MCX to MCX

MCX to N and N to MCX

matrix number

15

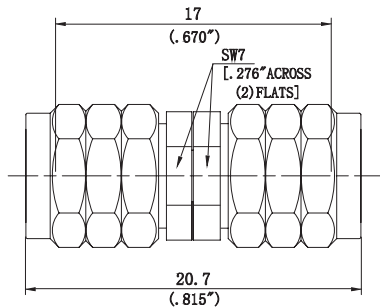
68

	MCX	Mini UHF	MMCX	N-Snap On	N
MCX	15				68
Mini UHF					65
MMCX					
N-Snap On					
N	68	65			

Straight Adaptors - Within Series

1. RPC1.85 Plug to RPC1.85 Plug

VSWR DC- 67GHz ≤ 1.25

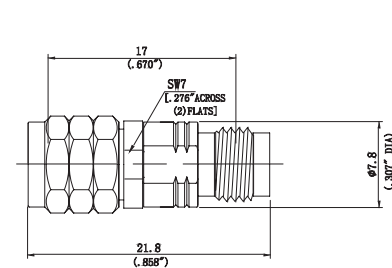


P/N

AD-V1V15A/9XX-9XX

1. RPC1.85 Plug to RPC1.85 Jack

VSWR DC- 67GHz ≤ 1.25

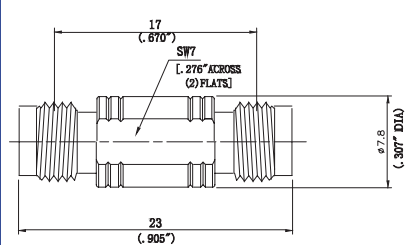


P/N

AD-V1V25A/9XX-9X

1. RPC1.85 Jack to RPC1.85 Jack

VSWR DC- 67GHz ≤ 1.25

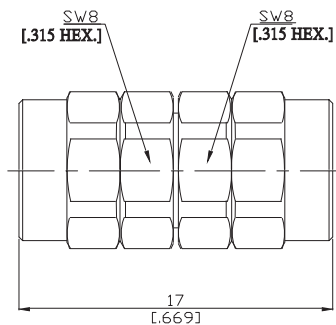


P/N

AD-V2V25A/9X-9X

2. RPC2.4 Plug to RPC2.4 Plug

VSWR DC- 50GHz ≤ 1.2

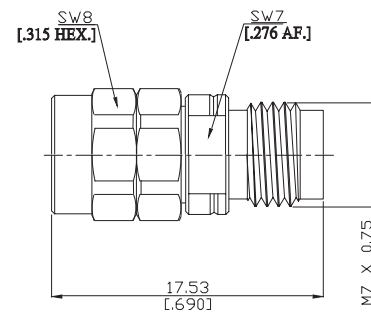


P/N

AD-Q1Q15A/9XX-9XX

2. RPC2.4 Plug to RPC2.4 Jack

VSWR DC- 50GHz ≤ 1.2

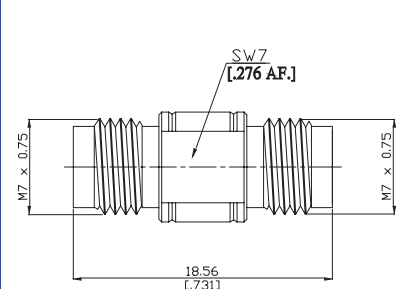


P/N

AD-Q1Q25A/9XX-9X

2. RPC2.4 Jack to RPC2.4 Jack

VSWR DC- 50GHz ≤ 1.2

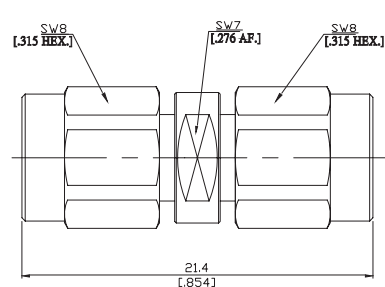


P/N

AD-Q2Q25A/9X-9X

3. RPC2.92 Plug to RPC2.92 Plug

VSWR DC- 40GHz ≤ 1.15

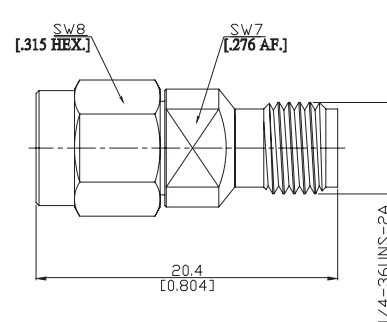


P/N

AD-K1K15A/9XX-9XX

3. RPC2.92 Plug to RPC2.92 Jack

VSWR DC- 40GHz ≤ 1.15

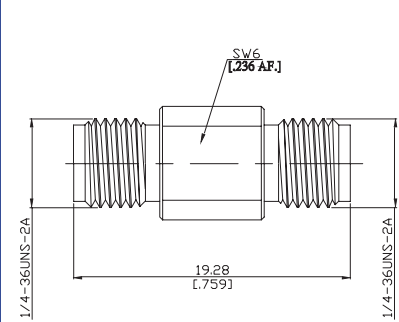


P/N

AD-K1K25A/9XX-9X

3. RPC2.92 Jack to RPC2.92 Jack

VSWR DC- 40GHz ≤ 1.15



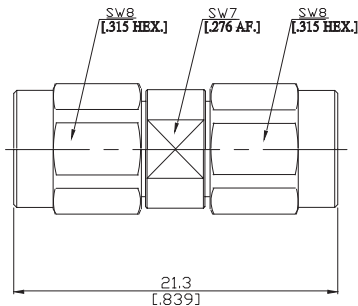
P/N

AD-K2K25A/9X-9X

Straight Adaptors - Within Series

4. RPC3.5 Plug to RPC3.5 Plug

VSWR DC- 26.5GHz ≤ 1.15

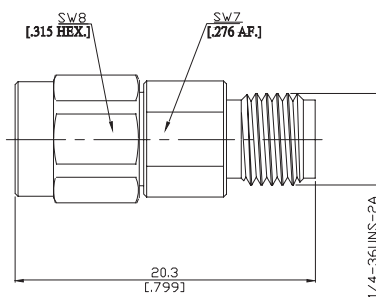


P/N

AD-PC1PC15A/9XX-9XX

4. RPC3.5 Plug to RPC3.5 Jack

VSWR DC- 26.5GHz ≤ 1.15

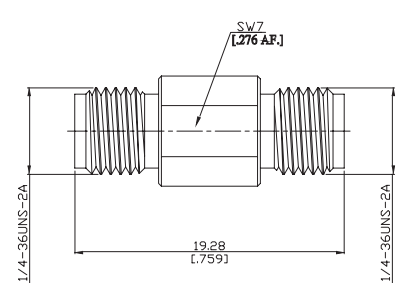


P/N

AD-PC1PC25A/9XX-9X

4. RPC3.5 Jack to RPC3.5 Jack

VSWR DC- 26.5GHz ≤ 1.15

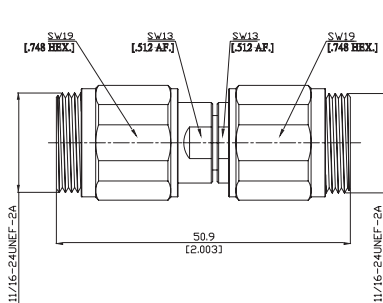


P/N

AD-PC2PC25A/9X-9X

5. RPC7 sexless to RPC7 sexless

VSWR DC-18GHz ≤ 1.15

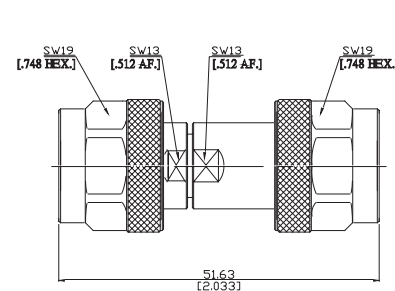


P/N

AD-PC7SPC7S5A/9XX-9XX

6. Precision N Plug to Precision N Plug

VSWR DC-18GHz ≤ 1.15

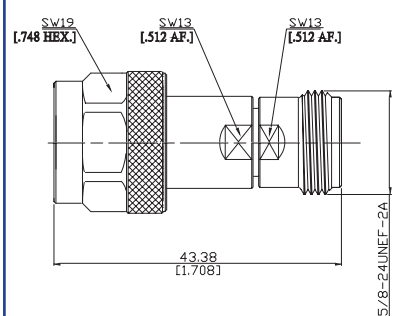


P/N

AD-PCN1PCN15A/9XX-9XX

6. Precision N Plug to Precision N Jack

VSWR DC-18GHz ≤ 1.15

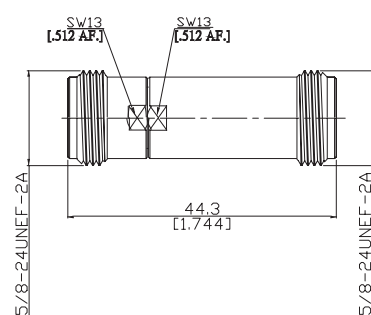


P/N

AD-PCN1PCN25A/9XX-9X

6. Precision N Jack to Precision N Jack

VSWR DC-18GHz ≤ 1.15

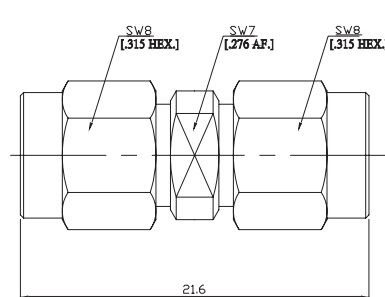


P/N

AD-PCN1PCN15A/9XX-9XX

7. SMA Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15

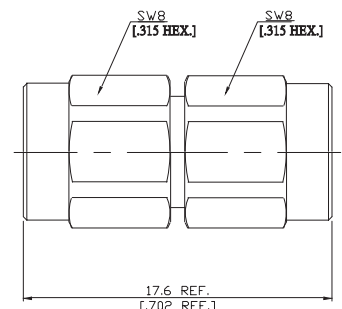


P/N

AD-A1A15A/111-111

7. SMA Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15



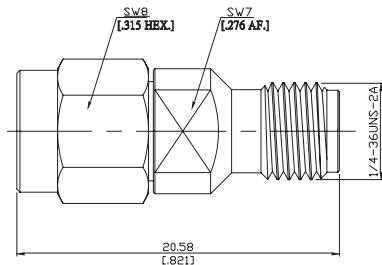
P/N

AD-A1A15B/111-111

Straight Adaptors - Within Series

7. SMA Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15

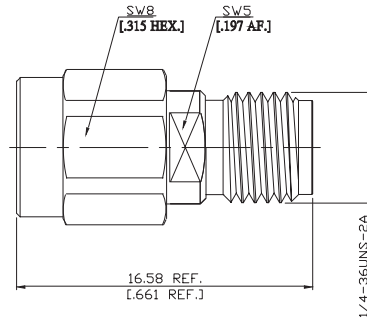


P/N

AD-A1A25A/911-91

7. SMA Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15

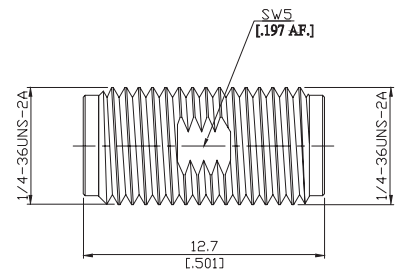


P/N

AD-A1A25B/911-91

7. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15

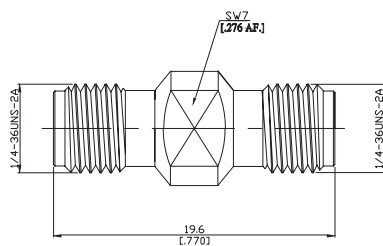


P/N

AD-A2A25A/911-91

7. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15

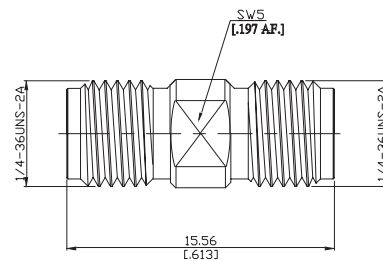


P/N

AD-A2A25B/911-91

7. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15

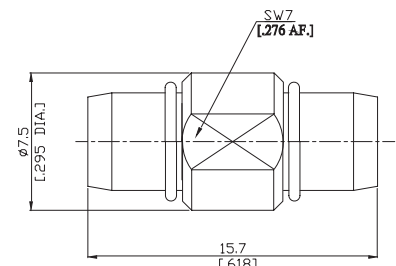


P/N

AD-A2A25C/911-91

8. BMA Plug to BMA Plug

VSWR DC-18GHz ≤ 1.2

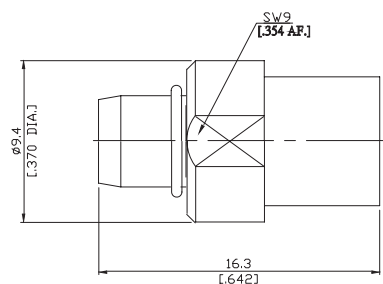


P/N

AD-BA1BA15A/1X-1X

8. BMA Plug to BMA Jack

VSWR DC-18GHz ≤ 1.2

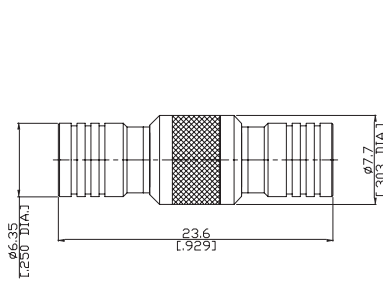


P/N

AD-BA1BA25A/9X-9X

9. SMB Plug to SMB Plug

VSWR DC-4GHz ≤ 1.35

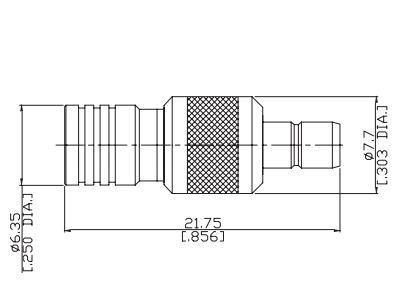


P/N

AD-S1S15A/911-911

9. SMB Plug to SMB Jack

VSWR DC-4GHz ≤ 1.35



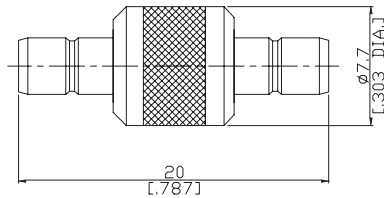
P/N

AD-S1S25A/911-91

Straight Adaptors - Within Series

9. SMB Jack to SMB Jack

VSWR DC- 4GHz ≤ 1.35

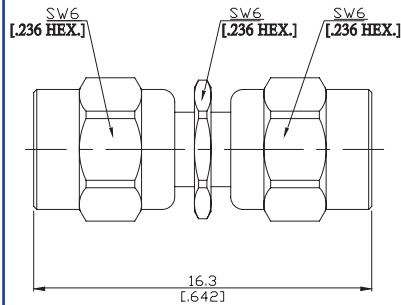


P/N

AD-S2S25A/11-11

10. SMC Plug to SMC Plug

VSWR DC- 6GHz ≤ 1.2

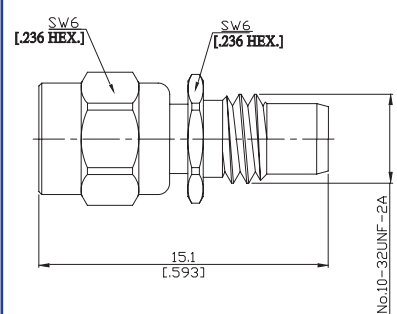


P/N

AD-MC1MC15A/911-911

10. SMC Plug to SMC Jack

VSWR DC- 6GHz ≤ 1.2

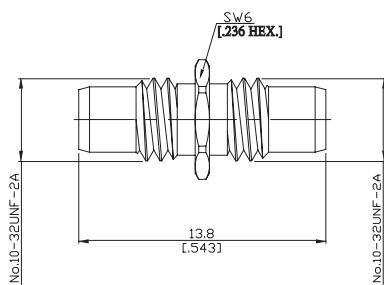


P/N

AD-MC1MC25A/911-91

10. SMC Jack to SMC Jack

VSWR DC- 6GHz ≤ 1.2

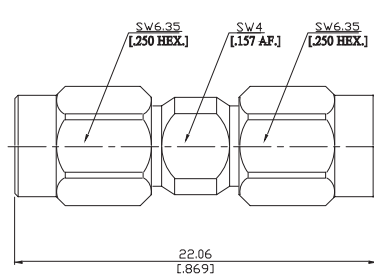


P/N

AD-MC2MC25A/11-11

11. SSMA Plug to SSMA Plug

VSWR DC-18GHz ≤ 1.22

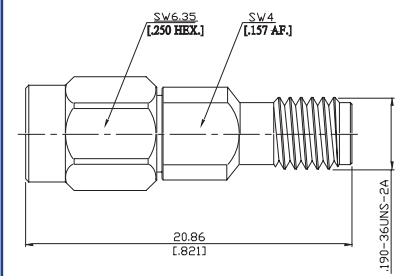


P/N

AD-SA1SA15A/111-111

11. SSMA Plug to SSMA Jack

VSWR DC-18GHz ≤ 1.22

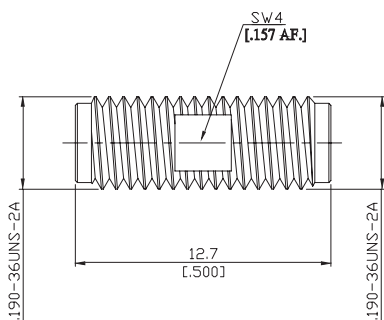


P/N

AD-SA1SA25A/911-91

11. SSMA Jack to SSMA Jack

VSWR DC-18GHz ≤ 1.22

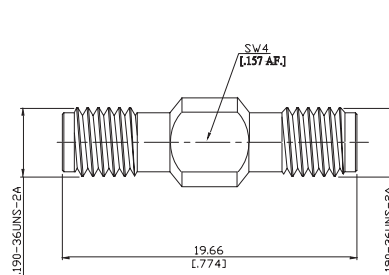


P/N

AD-SA2SA25A/91-91

11. SSMA Jack to SSMA Jack

VSWR DC-18GHz ≤ 1.22

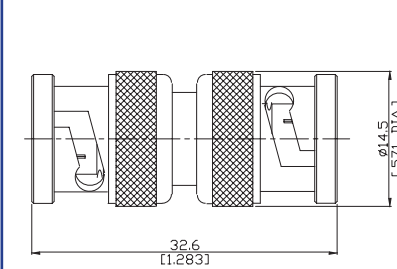


P/N

AD-SA2SA25B/91-91

12. BNC Plug to BNC Plug

VSWR DC- 6GHz ≤ 1.2



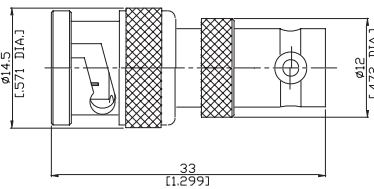
P/N

AD-B1B15A/133-133

Straight Adaptors - Within Series

12. BNC Plug to BNC Jack

VSWR DC-6GHz ≤ 1.2

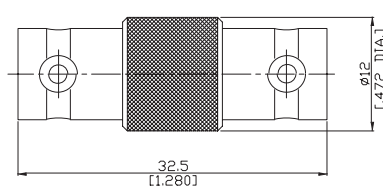


P/N

AD-B1B25A/H33-H3

12. BNC Jack to BNC Jack

VSWR DC-6GHz ≤ 1.2

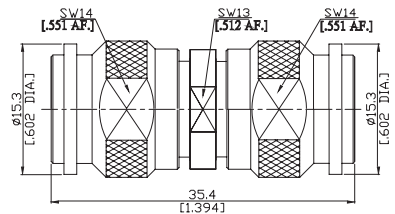


P/N

AD-B2B25A/H3-H3

13. TNC Plug to TNC Plug

VSWR DC-11GHz ≤ 1.25

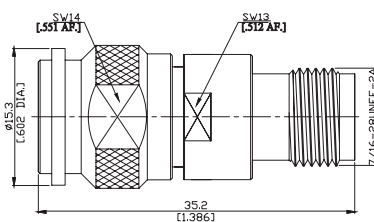


P/N

AD-T1T15A/144-144

13. TNC Plug to TNC Jack

VSWR DC-11GHz ≤ 1.25

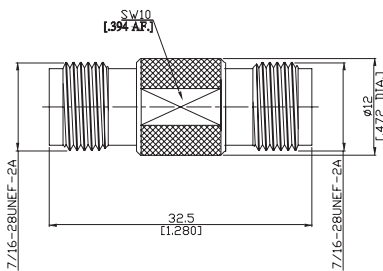


P/N

AD-T1T25A/H44-H4

13. TNC Jack to TNC Jack

VSWR DC-11GHz ≤ 1.25

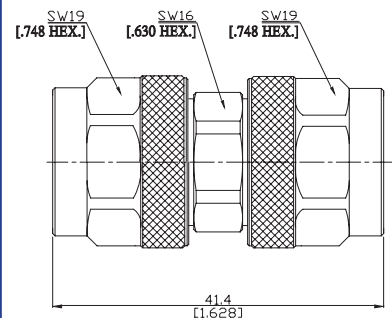


P/N

AD-T2T25A/H4-H4

14. N Plug to N Plug

VSWR DC-11GHz ≤ 1.15

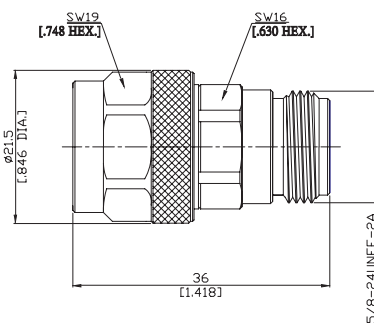


P/N

AD-N1N15A/133-133

14. N Plug to N Jack

VSWR DC-11GHz ≤ 1.15

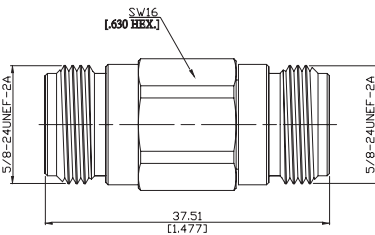


P/N

AD-N1N25A/933-93

14. N Jack to N Jack

VSWR DC-11GHz ≤ 1.15

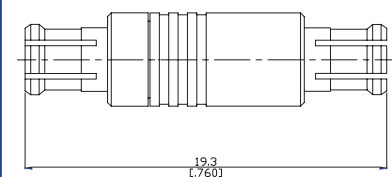


P/N

AD-N2N25A/93-93

15. MCX Plug to MCX Plug

VSWR DC-6GHz ≤ 1.22



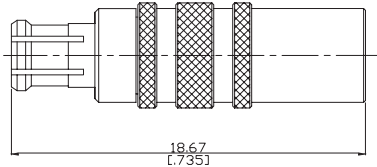
P/N

AD-M1M15A/19-19

Straight Adaptors - Within Series

15. MCX Plug to MCX Jack

VSWR DC-6GHz ≤ 1.22

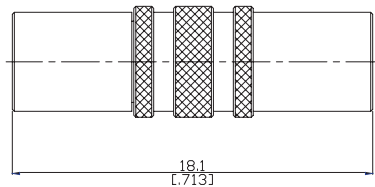


P/N

AD-M1M25A/99-91

15. MCX Jack to MCX Jack

VSWR DC-6GHz ≤ 1.22

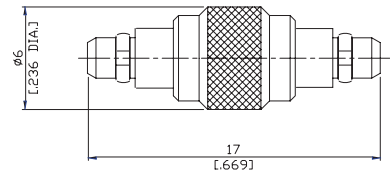


P/N

AD-M2M25A/91-91

16. MMCX Plug to MMCX Plug

VSWR DC-6GHz ≤ 1.3

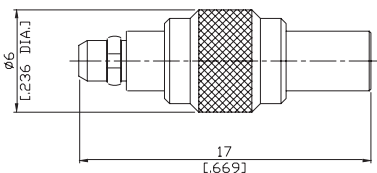


P/N

AD-MX1MX15A/911-911

16. MMCX Plug to MMCX Jack

VSWR DC-6GHz ≤ 1.3

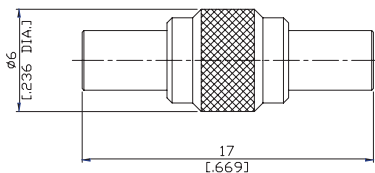


P/N

AD-MX1MX25A/911-91

16. MMCX Jack to MMCX Jack

VSWR DC-6GHz ≤ 1.3

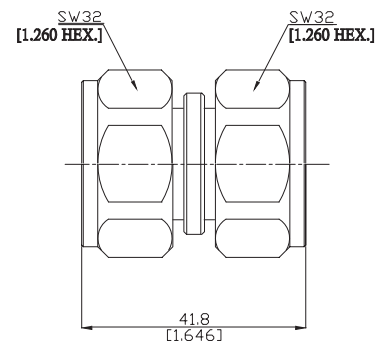


P/N

AD-MX2MX25A/91-91

17. 716 Plug to 716 Plug

VSWR DC-7.5GHz ≤ 1.15

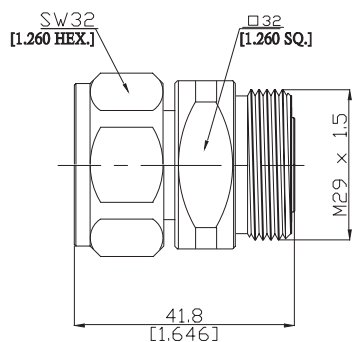


P/N

AD-D1D15A/044-044

17. 716 Plug to 716 Jack

VSWR DC-7.5GHz ≤ 1.15

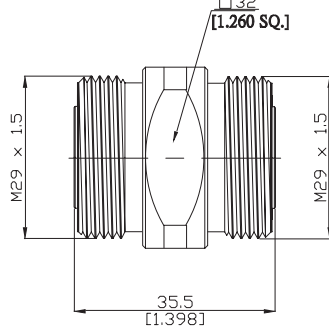


P/N

AD-D1D25A/044-G4

17. 716 Jack to 716 Jack

VSWR DC-7.5GHz ≤ 1.15

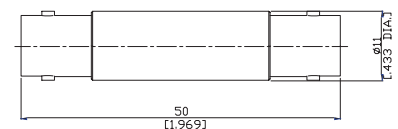


P/N

AD-D2D25A/G4-G4

18. SHV Jack to SHV Jack

DC-300MHz



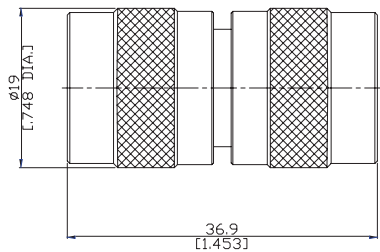
P/N

AD-SV2SV25A/13-13

Straight Adaptors - Within Series

19. C Plug to C Plug

DC- 4GHz

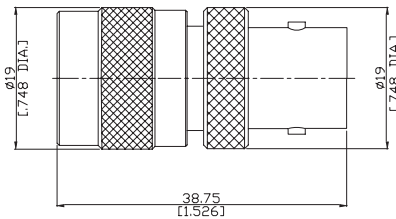


P/N

AD-C1C15A/H33-H33

19. C Plug to C Jack

DC- 4GHz

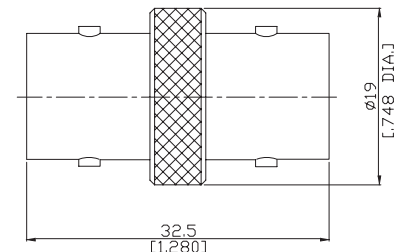


P/N

AD-C1C25A/H33-H3

19. C Jack to C Jack

DC- 4GHz

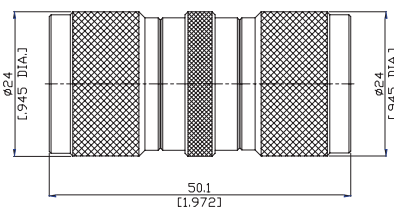


P/N

AD-C2C25A/H3-H3

20. HN Plug to HN Plug

DC- 4GHz

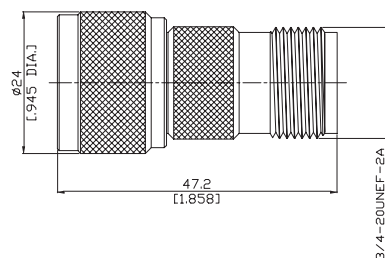


P/N

AD-HN1HN15A/033-033

20. HN Plug to HN Jack

DC- 4GHz

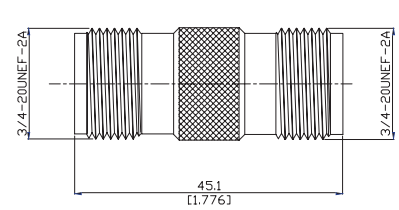


P/N

AD-HN1HN25A/033-03

20. HN Jack to HN Jack

DC- 4GHz

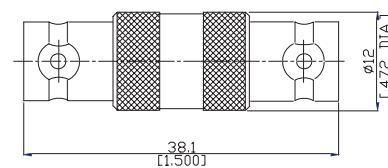


P/N

AD-HN2HN25A/03-03

21. MHV Jack to MHV Jack

DC- 300MHz

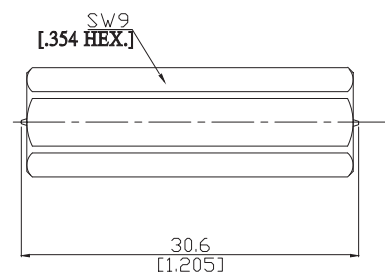


P/N

AD-MV2MV25A/H3-H3

22. FME Plug to FME Plug

DC- 200MHz

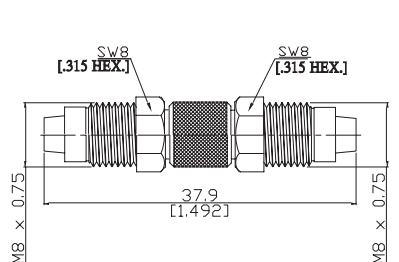


P/N

AD-E1E15A/H33-H33

22. FME Jack to FME Jack

DC- 200MHz



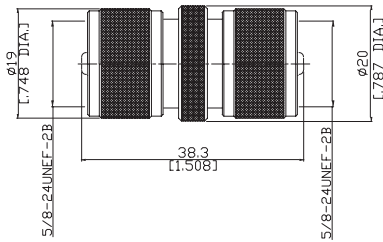
P/N

AD-E2E25A/H3-H3

Straight Adaptors - Within Series

23. UHF Plug to UHF Plug

DC- 300MHz

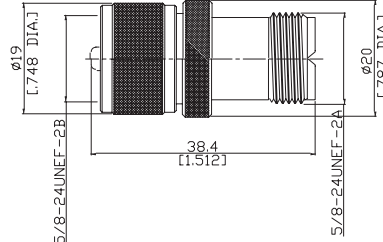


P/N

AD-U1U15A/133-133

23. UHF Plug to UHF Jack

DC- 300MHz

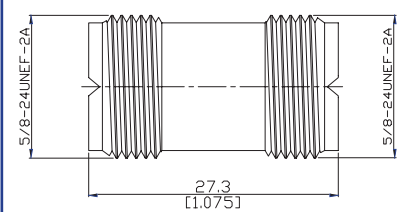


P/N

AD-U1U25A/133-93

23. UHF Jack to UHF Jack

DC- 300MHz

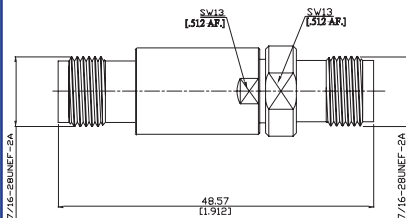


P/N

AD-U2U25A/93-93

24. TNCA Jack to TNCA Jack

VSWR DC-18GHz ≤1.2



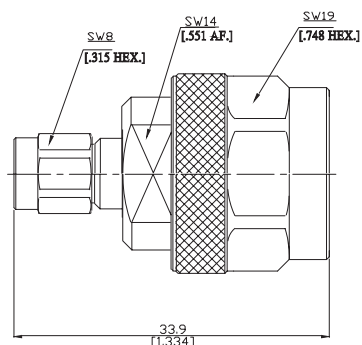
P/N

AD-TA2TA25A/9X-9X

Straight Adaptors - Between Series

25. SMA Plug to N Plug

VSWR DC-11GHz ≤ 1.15

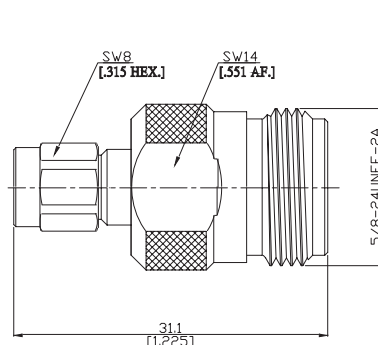


P/N

AD-A1N15A/H11-H44

25. SMA Plug to N Jack

VSWR DC-11GHz ≤ 1.15

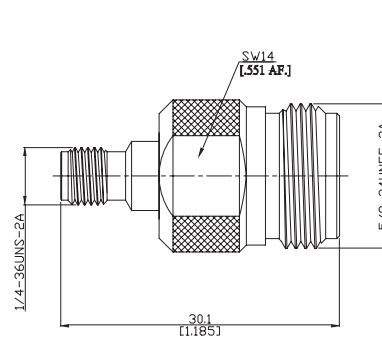


P/N

AD-A1N25A/H11-H4

25. SMA Jack to N Jack

VSWR DC-11GHz ≤ 1.15

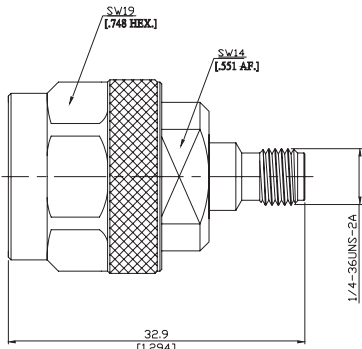


P/N

AD-A2N25A/91-H4

25. N Plug to SMA Jack

VSWR DC-11GHz ≤ 1.15

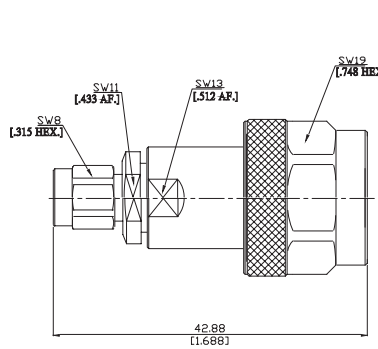


P/N

AD-N1A25A/H44-91

26. SMA Plug to Precision N Plug

VSWR DC-18GHz ≤ 1.15

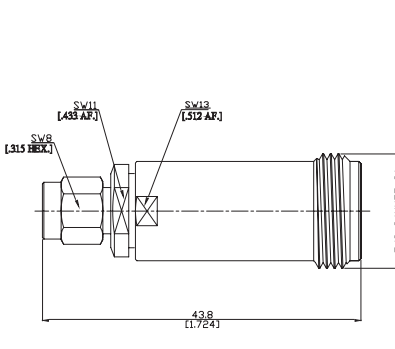


P/N

AD-A1PCN15A/911-9XX

26. SMA Plug to Precision N Jack

VSWR DC-18GHz ≤ 1.15

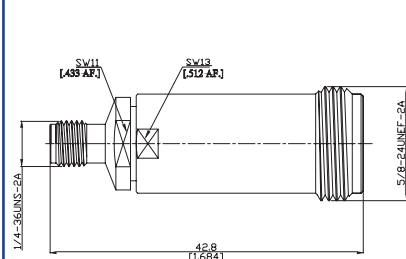


P/N

AD-A1PCN25A/911-9X

26. SMA Jack to Precision N Jack

VSWR DC-18GHz ≤ 1.15

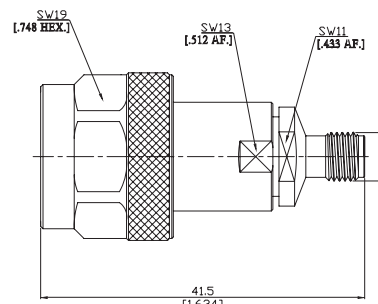


P/N

AD-A2PCN25A/91-9X

26. Precision N Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15

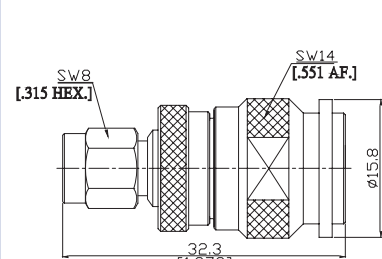


P/N

AD-PCN1A25A/9XX-91

27. SMA Plug to TNC Plug

VSWR DC-11GHz ≤ 1.20



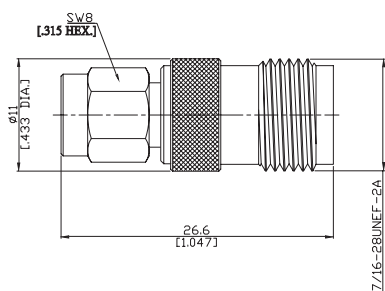
P/N

AD-A1T15A/111-133

Straight Adaptors - Between Series

27. SMA Plug to TNC Jack

VSWR DC-11GHz ≤ 1.20

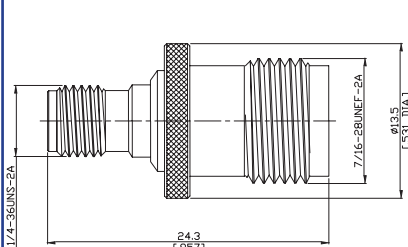


P/N

AD-A1T25A/911-93

27. SMA Jack to TNC Jack

VSWR DC-11GHz ≤ 1.20

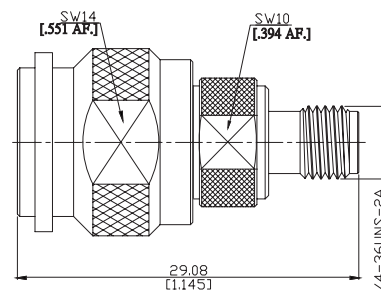


P/N

AD-A2T25A/H1-H3

27. TNC Plug to SMA Jack

VSWR DC-11GHz ≤ 1.20

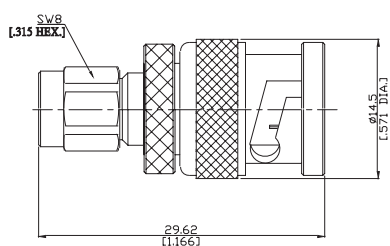


P/N

AD-T1A25A/933-91

28. SMA Plug to BNC Plug

VSWR DC-4GHz ≤ 1.15

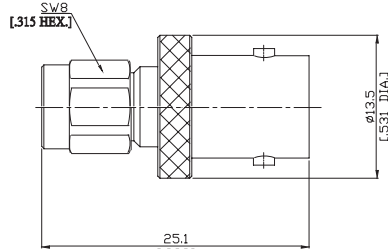


P/N

AD-A1B15A/111-133

28. SMA Plug to BNC Jack

VSWR DC-4GHz ≤ 1.15

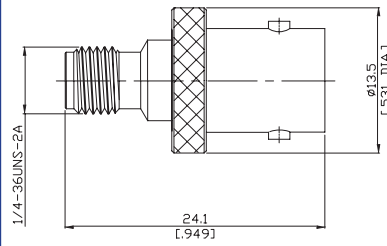


P/N

AD-A1B25A/911-93

28. SMA Jack to BNC Jack

VSWR DC-4GHz ≤ 1.15

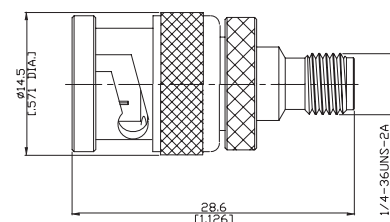


P/N

AD-A2B25A/91-93

28. BNC Plug to SMA Jack

VSWR DC-4GHz ≤ 1.15

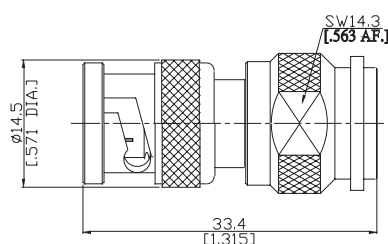


P/N

AD-B1A25A/933-91

29. BNC Plug to TNC Plug

VSWR DC-4GHz ≤ 1.15

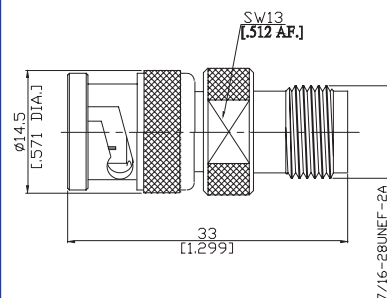


P/N

AD-B1T15A/133-133

29. BNC Plug to TNC Jack

VSWR DC-4GHz ≤ 1.15



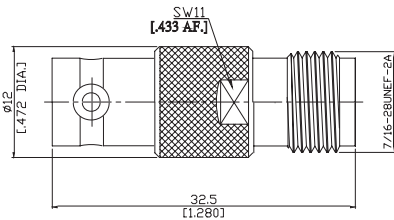
P/N

AD-B1T25A/H33-H3

Straight Adaptors - Between Series

29. BNC Jack to TNC Jack

VSWR DC-4GHz ≤ 1.15

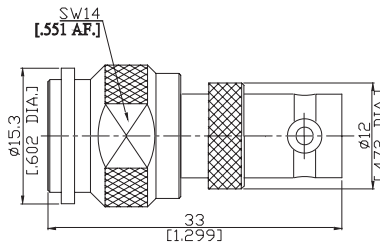


P/N

AD-B2T25A/H3-H3

29. TNC Plug to BNC Jack

VSWR DC-4GHz ≤ 1.15

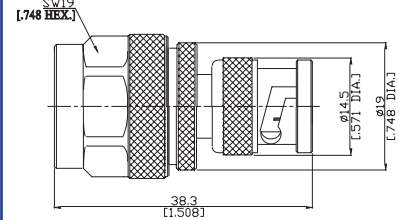


P/N

AD-T1B25A/933-93

30. N Plug to BNC Plug

VSWR DC-4GHz ≤ 1.15

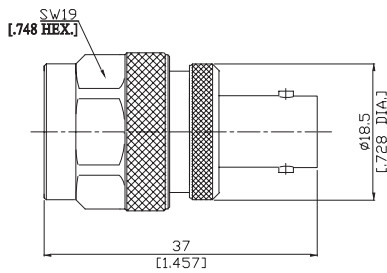


P/N

AD-N1B15A/133-133

30. N Plug to BNC Jack

VSWR DC-4GHz ≤ 1.15

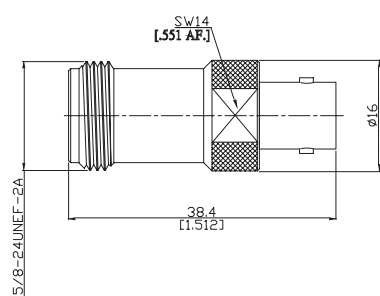


P/N

AD-N1B25A/H33-H3

30. N Jack to BNC Jack

VSWR DC-4GHz ≤ 1.15

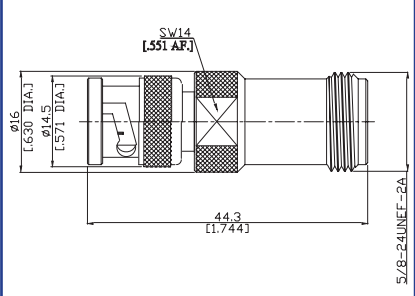


P/N

AD-N2B25A/933-93

30. BNC Plug to N Jack

VSWR DC-4GHz ≤ 1.15

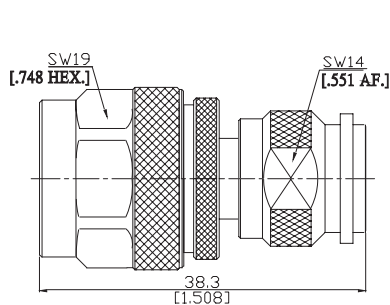


P/N

AD-B1N25A/133-93

31. N Plug to TNC Plug

VSWR DC-11GHz ≤ 1.20

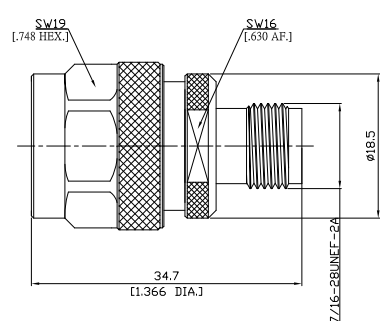


P/N

AD-N1T15A/144-144

31. N Plug to TNC Jack

VSWR DC-11GHz ≤ 1.20

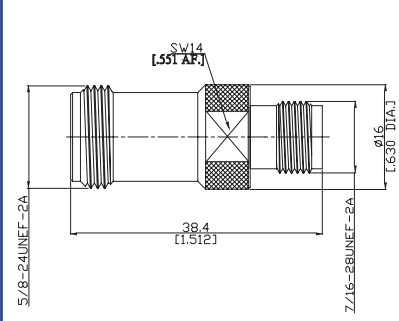


P/N

AD-N1T25A/144-94

31. N Jack to TNC Jack

VSWR DC-11GHz ≤ 1.20



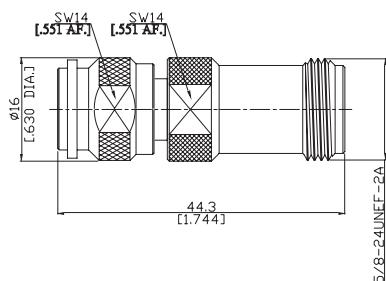
P/N

AD-N2T25A/94-94

Straight Adaptors - Between Series

31. TNC Plug to N Jack

VSWR DC-11GHz ≤ 1.20

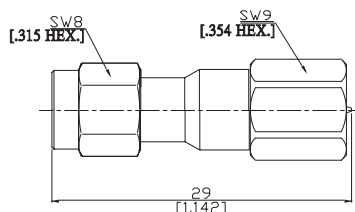


P/N

AD-T1N25A/144-H4

32. SMA Plug to FME Plug

DC- 200MHz

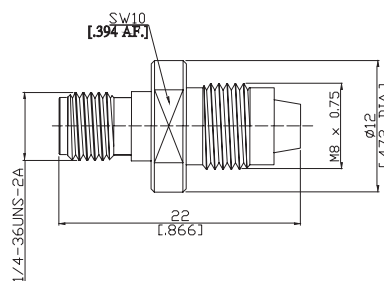


P/N

AD-A1E15A/144-14

32. SMA Jack to FME Jack

DC- 200MHz

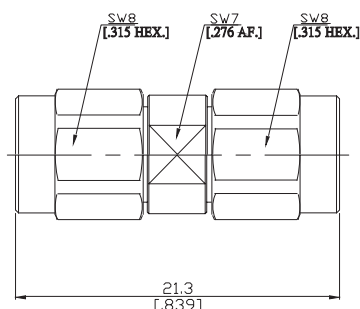


P/N

AD-A2E25A/91-91

33. RPC2.92 Plug to RPC3.5 Plug

VSWR DC- 26.5GHz ≤ 1.15

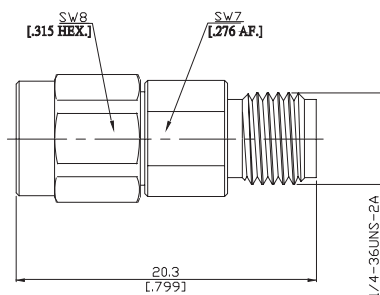


P/N

AD-K1PC15AA/9XX-9X

33. RPC2.92 Plug to RPC3.5 Jack

VSWR DC- 26.5GHz ≤ 1.15

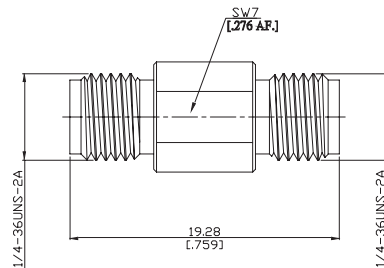


P/N

AD-K1PC25A/9XX-9X

33. RPC2.92 Jack to RPC3.5 Jack

VSWR DC- 26.5GHz ≤ 1.15

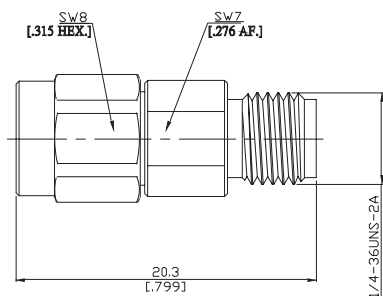


P/N

AD-K2PC25A/9X-9X

33. RPC3.5 Plug to RPC2.92 Jack

VSWR DC- 26.5GHz ≤ 1.15

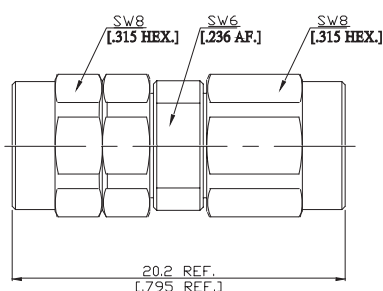


P/N

AD-PC1K25A/9XX-9X

34. RPC2.4 Plug to PRC2.92 Plug

VSWR DC- 40GHz ≤ 1.15

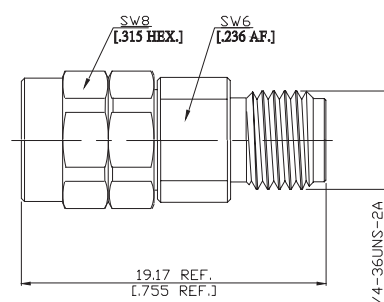


P/N

AD-Q1K15A/9XX-9XX

34. RPC2.4 Plug to PRC2.92 Jack

VSWR DC- 40GHz ≤ 1.15



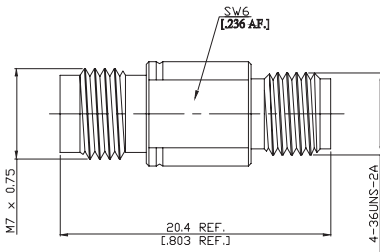
P/N

AD-Q1K25A/9XX-9X

Straight Adaptors - Between Series

34. RPC2.4 Jack to PRC2.92 Jack

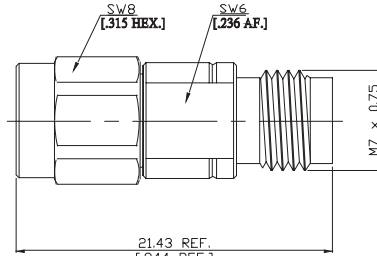
VSWR DC- 40GHz $\leq$ 1.15



P/N
AD-Q2K25A/9X-9X

34. RPC2.92 Plug to PRC2.4 Jack

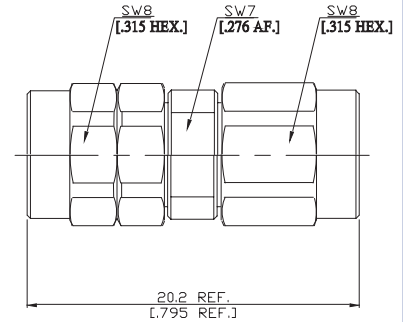
VSWR DC- 40GHz $\leq$ 1.15



P/N
AD-K1Q25A/9XX-9X

35. RPC2.4 Plug to PRC3.5 Plug

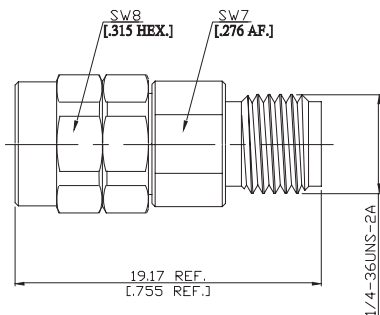
VSWR DC- 26.5GHz $\leq$ 1.15



P/N
AD-Q1PC15A/9XX-9XX

35. RPC2.4 Plug to PRC3.5 Jack

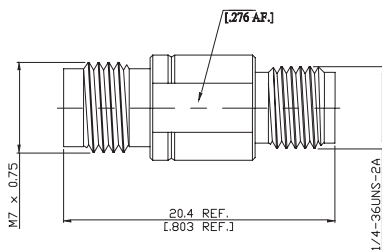
VSWR DC- 26.5GHz $\leq$ 1.15



P/N
AD-Q1PC25A/9XX-9X

35. RPC2.4 Jack to PRC3.5 Jack

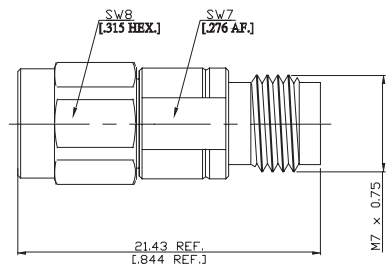
VSWR DC- 26.5GHz $\leq$ 1.15



P/N
AD-Q2PC25A/9X-9X

35. RPC3.5 Plug to PRC2.4 Jack

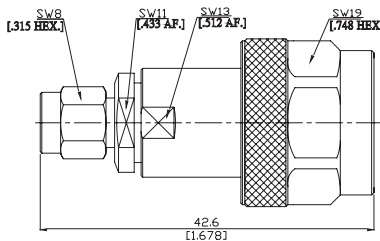
VSWR DC- 26.5GHz $\leq$ 1.15



P/N
AD-PC1Q25A/9XX-9X

36. RPC3.5 Plug to Precision N Plug

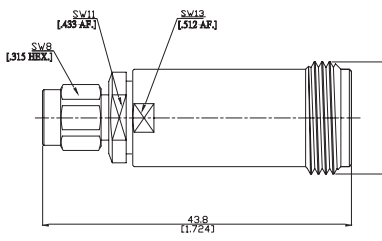
VSWR DC- 18GHz $\leq$ 1.15



P/N
AD-PC1PCN15A/9XX-9XX

36. RPC3.5 Plug to Precision N Jack

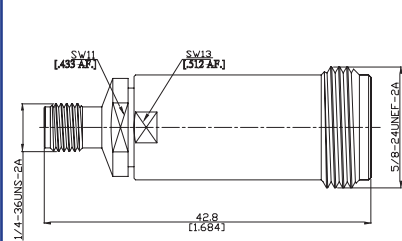
VSWR DC- 18GHz $\leq$ 1.15



P/N
AD-PC1PCN25A/9XX-9X

36. RPC3.5 Jack to Precision N Jack

VSWR DC- 18GHz $\leq$ 1.15

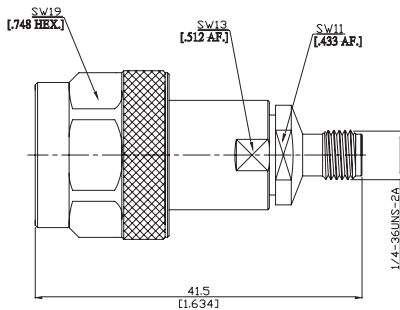


P/N
AD-PC2PCN25A/9X-9X

Straight Adaptors - Between Series

36. Precision N Plug to RPC3.5 Jack

VSWR DC- 18GHz $\leq$ 1.15

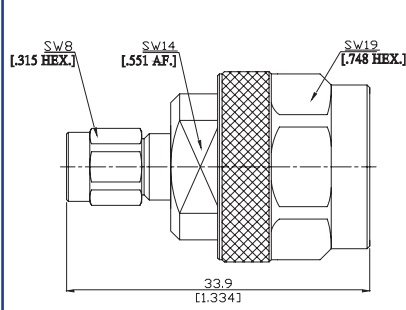


P/N

AD-PCN1PC25A/9XX-9X

36. RPC3.5 Plug to Precision N Plug

VSWR DC- 18GHz $\leq$ 1.15

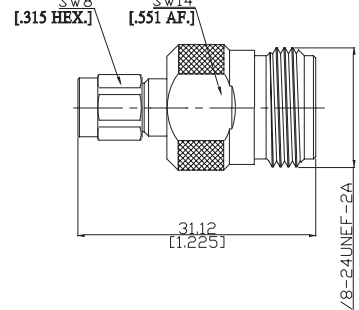


P/N

AD-PC1PCN15B/9XX-9XX

36. RPC3.5 Plug to Precision N Jack

VSWR DC- 18GHz $\leq$ 1.15

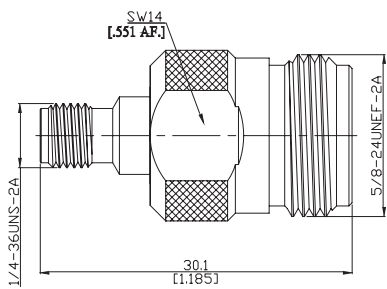


P/N

AD-PC1PCN25B/9XX-9X

36. RPC3.5 Jack to Precision N Jack

VSWR DC-18GHz $\leq$ 1.15

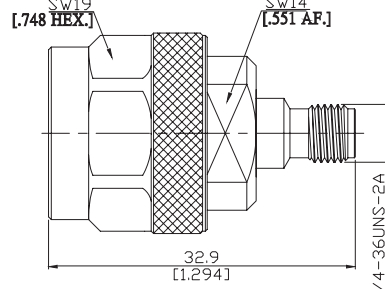


P/N

AD-PC2PCN25B/9X-9X

36. Precision N Plug to RPC3.5 Jack

VSWR DC-18GHz $\leq$ 1.15

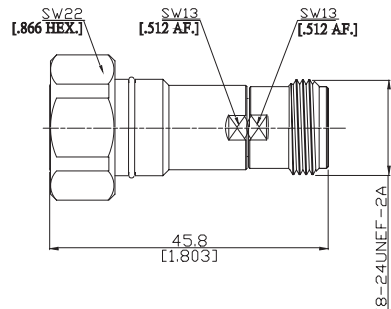


P/N

AD-PCN1PC25B/9XX-9X

37. 4.3/10 Plug to Precision N Jack

VSWR DC-12GHz $\leq$ 1.13

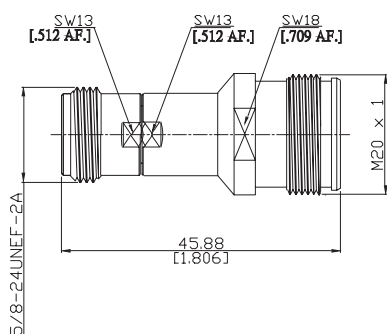


P/N

AD-43101PCN25A/144-9X

37. 4.3/10 Jack to Precision N Jack

VSWR DC-12GHz $\leq$ 1.13

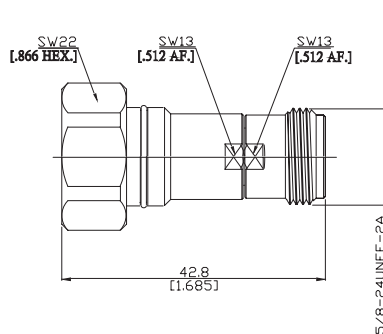


P/N

AD-PCN2431025A/9X-94

38. 4.1/9.5 Plug to Precision N Jack

VSWR DC-14GHz $\leq$ 1.13

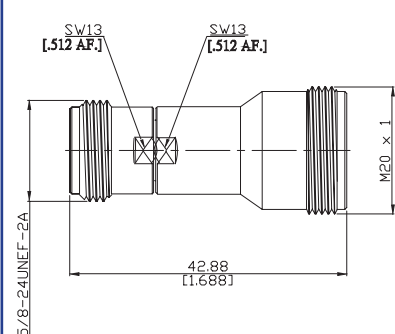


P/N

AD-MD1PCN25A/144-9X

38. 4.1/9.5 Plug to Precision N Jack

VSWR DC- 14GHz $\leq$ 1.13



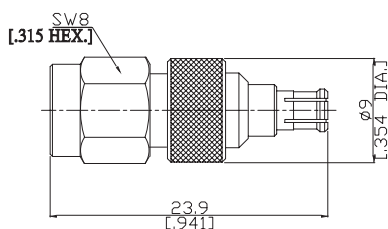
P/N

AD-PCN2MD25A/9X-94

Straight Adaptors - Between Series

39. SMA Plug to MCX Plug

VSWR DC- 6GHz $\leq$ 1.15

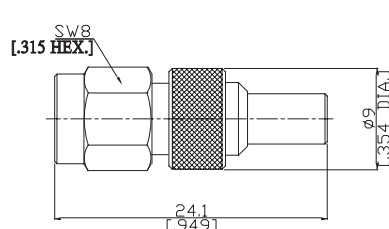


P/N

AD-A1M15A/111-19

39. SMA Plug to MCX Jack

VSWR DC- 6GHz $\leq$ 1.15

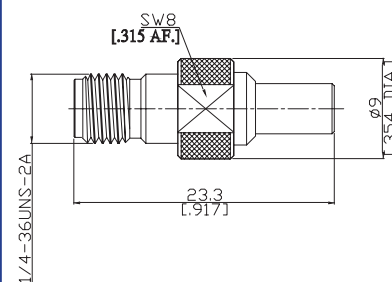


P/N

AD-A1M25A/911-91

39. SMA Jack to MCX Jack

VSWR DC- 6GHz $\leq$ 1.15

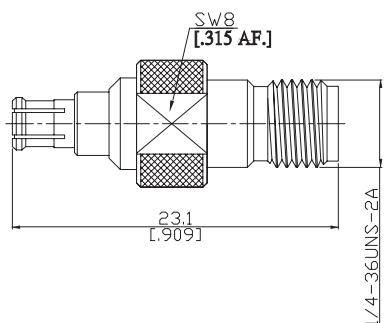


P/N

AD-A2M25A/91-91

39. MCX Plug to SMA Jack

VSWR DC- 6GHz $\leq$ 1.15

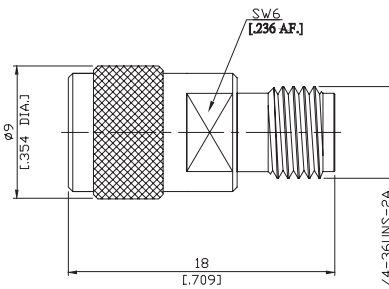


P/N

AD-M1A25A/99-91

40. SMA Snap-On Plug to SMA Jack

VSWR DC-18GHz $\leq$ 1.15

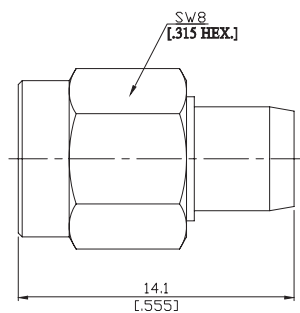


P/N

AD-AQ1A25A/991-91

41. SMA Plug to BMA Plug

VSWR DC-18GHz $\leq$ 1.20

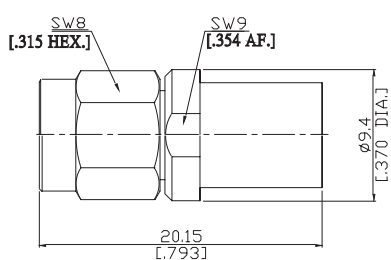


P/N

AD-A1BA15A/1XX-1X

41. SMA Plug to BMA Jack

VSWR DC-18GHz $\leq$ 1.20

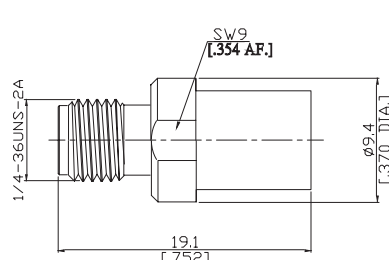


P/N

AD-A1BA25A/9XX-9X

41. SMA Jack to BMA Jack

VSWR DC-18GHz $\leq$ 1.20

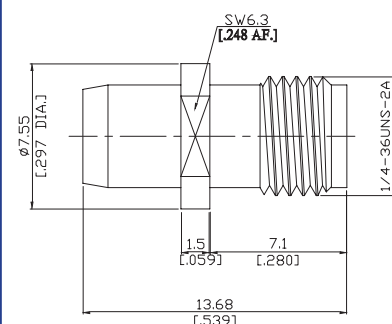


P/N

AD-A2BA25A/9X-9X

41. BMA Plug to SMA Jack

VSWR DC-18GHz $\leq$ 1.20



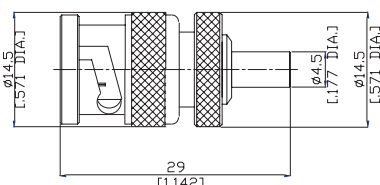
P/N

AD-BA1A25A/9X-9X

Straight Adaptors - Between Series

42. BNC Plug to MCX Jack

VSWR DC- 4GHz $\leq$ 1.15

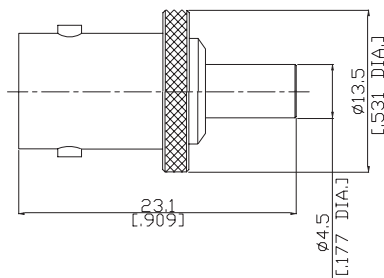


P/N

AD-B1M25A/H33-H1

42. BNC Jack to MCX Jack

VSWR DC- 4GHz $\leq$ 1.15

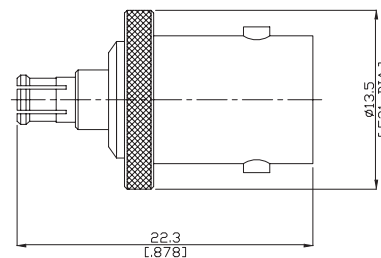


P/N

AD-B2M25A/93-91

42. MCX Plug to BNC Jack

VSWR DC- 4GHz $\leq$ 1.15

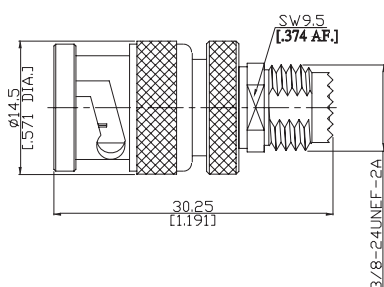


P/N

AD-M1B25A/99-93

43. BNC Plug to Mini UHF Jack

DC- 2.5GHz

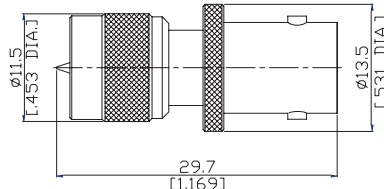


P/N

AD-B1MU25A/933-93

43. Mini UHF Plug to BNC Jack

DC- 2.5GHz

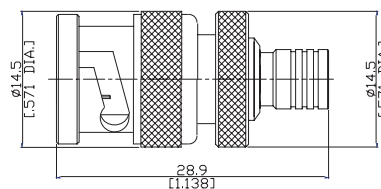


P/N

AD-MU1B25A/933-93

44. BNC Plug to SMB Plug

VSWR DC- 4GHz $\leq$ 1.35

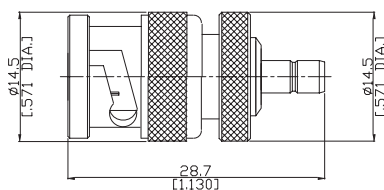


P/N

AD-B1S15A/933-911

44. BNC Plug to SMB Jack

VSWR DC- 4GHz $\leq$ 1.35

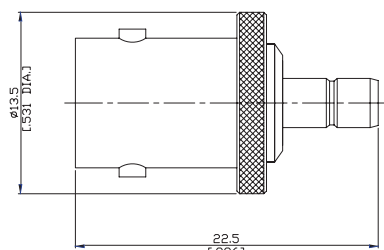


P/N

AD-B1S25A/133-11

44. BNC Jack to SMB Jack

VSWR DC- 4GHz $\leq$ 1.35

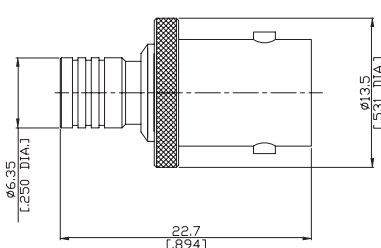


P/N

AD-B2S25A/93-91

44. SMB Plug to BNC Jack

VSWR DC- 4GHz $\leq$ 1.35



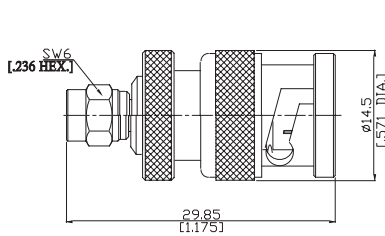
P/N

AD-S1B25A/911-93

Straight Adaptors - Between Series

45. SMC Plug to BNC Plug

VSWR DC- 4GHz $\leq$ 1.35

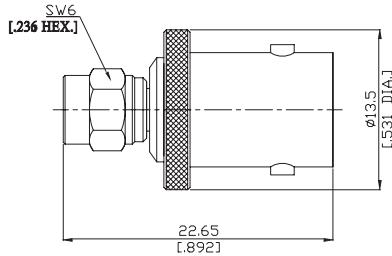


P/N

AD-MC1B15A/911-944

45. SMC Plug to BNC Jack

VSWR DC- 4GHz $\leq$ 1.35

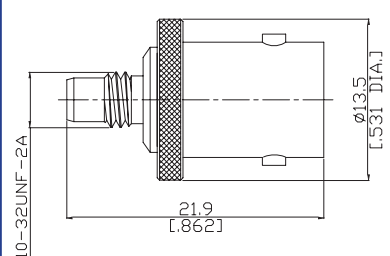


P/N

AD-MC1B25A/911-94

45. SMC Jack to BNC Jack

VSWR DC- 4GHz $\leq$ 1.35

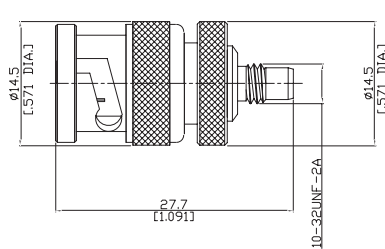


P/N

AD-MC2B25A/91-94

45. BNC Plug to SMC Jack

VSWR DC- 4GHz $\leq$ 1.35

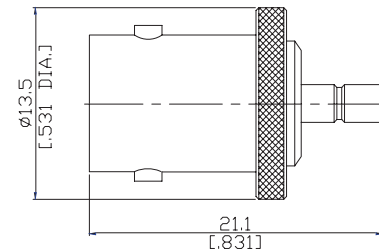


P/N

AD-B1MC25A/144-11

46. BNC Jack to SSMB Jack

VSWR DC- 4GHz $\leq$ 1.35

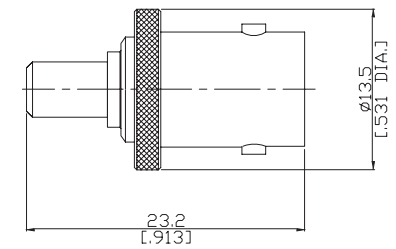


P/N

AD-B2SB25A/94-91

46. SSMB Plug to BNC Jack

VSWR DC- 4GHz $\leq$ 1.35

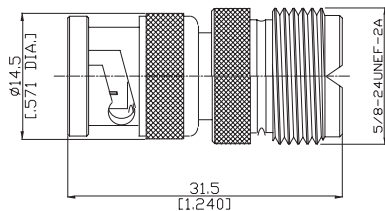


P/N

AD-SB1B25A/911-94

47. BNC Plug to UHF Jack

DC- 300MHz

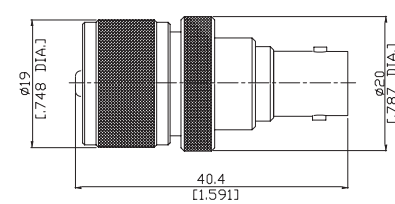


P/N

AD-B1U25A/H33-H3

47. UHF Plug to BNC Jack

DC- 300MHz

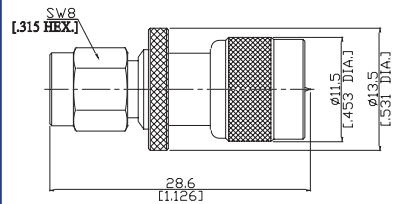


P/N

AD-U1B25A/H33-H3

48. SMA Plug to Mini UHF Plug

DC- 2.5GHz



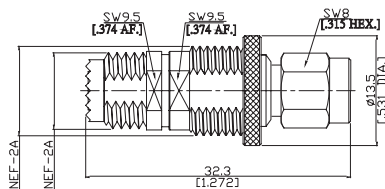
P/N

AD-A1MU15A/111-133

Straight Adaptors - Between Series

48. SMA Plug to Mini UHF Jack

DC- 2.5GHz

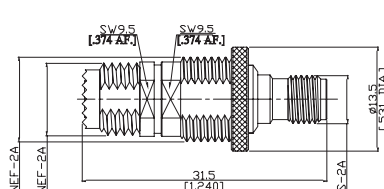


P/N

AD-A1MU25A/911-94

48. SMA Jack to Mini UHF Jack

DC- 2.5GHz

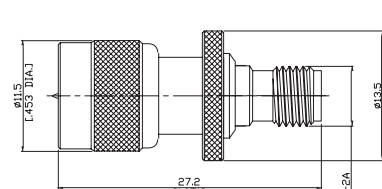


P/N

AD-A2MU25A/911-94

48. Mini UHF Plug to SMA Jack

DC- 2.5GHz

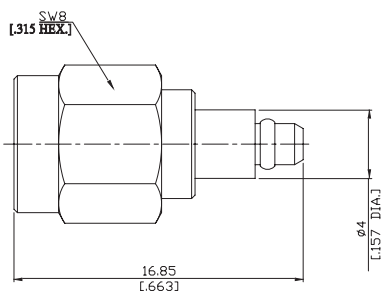


P/N

AD-MU1A25A/944-91

49. SMA Plug to MMCX Plug

VSWR DC- 6GHz ≤ 1.20

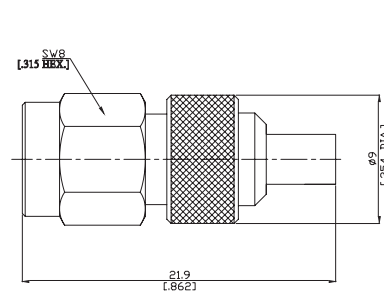


P/N

AD-A1MX15A/111-11

49. SMA Plug to MMCX Jack

VSWR DC- 6GHz ≤ 1.20

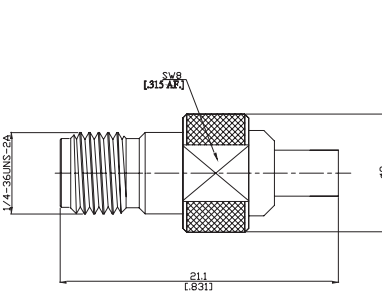


P/N

AD-A1MX25A/911-91

49. SMA Jack to MMCX Jack

VSWR DC- 6GHz ≤ 1.20

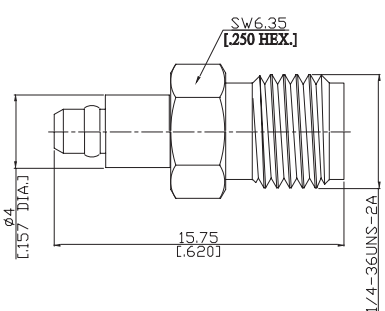


P/N

AD-A2MX25A/911-91

49. MMCX Plug to SMA Jack

VSWR DC- 6GHz ≤ 1.20

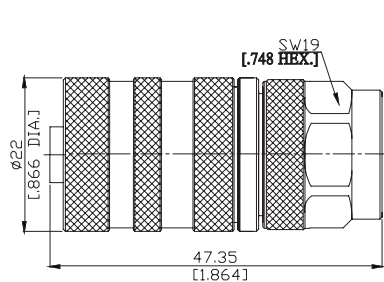


P/N

AD-MX1A25A/911-91

50. N Snap-On Plug to N Plug

VSWR DC-11GHz ≤ 1.20

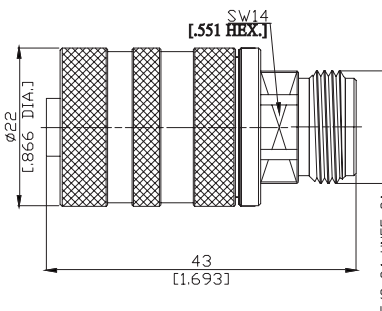


P/N

AD-NQ1N15A/H44-H44

50. N Snap-On Plug to N Plug

VSWR DC-11GHz ≤ 1.20



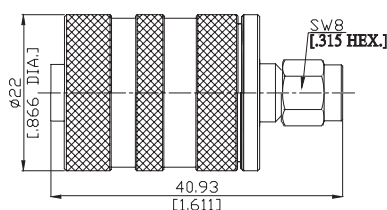
P/N

AD-NQ1N25A/H44-94

Straight Adaptors - Between Series

51. N Snap-On Plug to SMA Plug

VSWR DC-11GHz ≤ 1.20

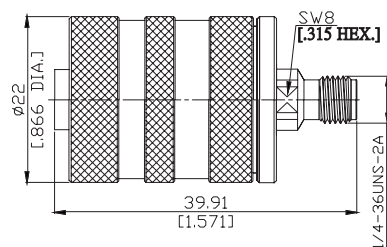


P/N

AD-NQ1A15A/H44-H44

51. N Snap-On Plug to SMA Jack

VSWR DC-11GHz ≤ 1.20

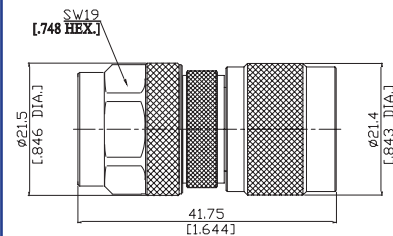


P/N

AD-NQ1A25A/H44-94

52. N Plug to SC Plug

DC-11GHz

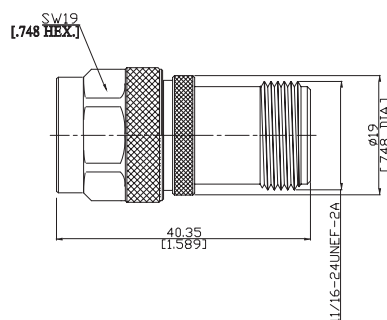


P/N

AD-N1SC15A/144-144

52. N Plug to SC Jack

DC-11GHz

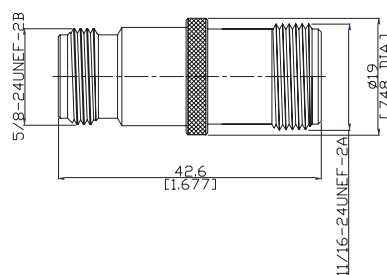


P/N

AD-N1SC25A/144-94

52. N Jack to SC Jack

DC-11GHz

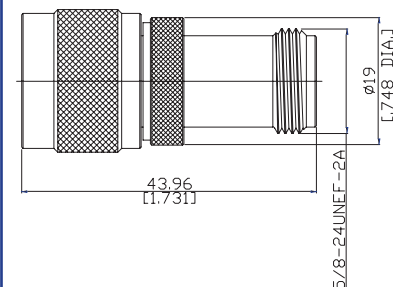


P/N

AD-N2SC25A/94-94

52. SC Plug to N Jack

DC-11GHz

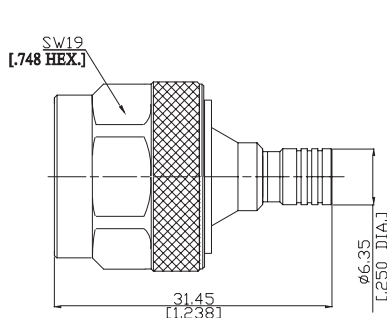


P/N

AD-SC1N25A/144-94

53. N Plug to SMB Plug

VSWR DC-4GHz ≤ 1.35

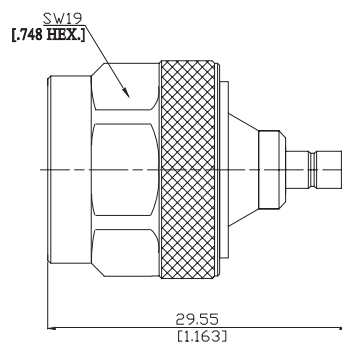


P/N

AD-N1S15A/944-911

53. N Plug to SMB Jack

VSWR DC-4GHz ≤ 1.35

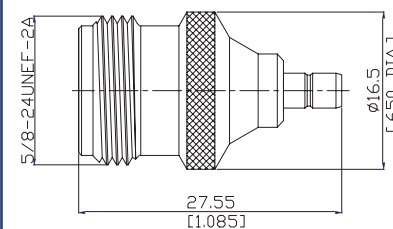


P/N

AD-N1S25A/144-11

53. N Jack to SMB Jack

VSWR DC-4GHz ≤ 1.35



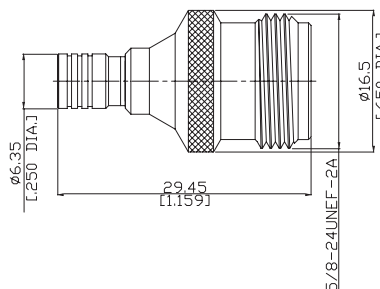
P/N

AD-N2S25A/H4-H1

Straight Adaptors - Between Series

53. SMB Plug to N Jack

VSWR DC-4GHz $\leq$ 1.35

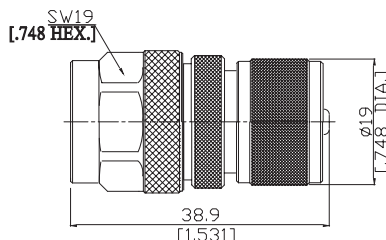


P/N

AD-S1N25A/911-94

54. N Plug to UHF Plug

DC-300MHz

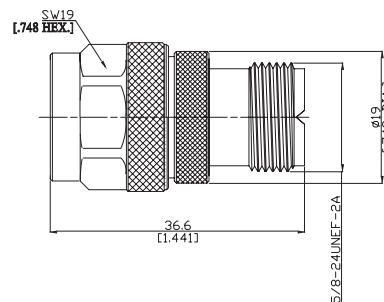


P/N

AD-N1U15A/144-144

54. N Plug to UHF Jack

DC-300MHz

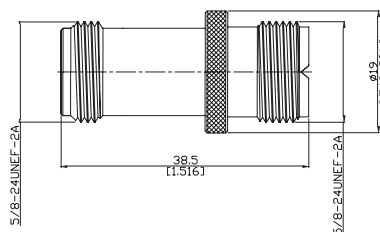


P/N

AD-N1U25A/144-94

54. N Jack to UHF Jack

DC-300MHz

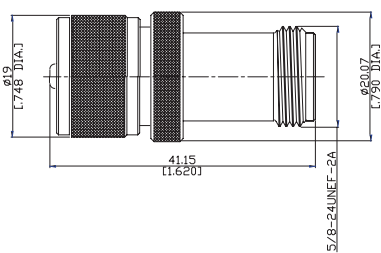


P/N

AD-N2U25A/94-94

54. UHF Plug to N Jack

DC-300MHz

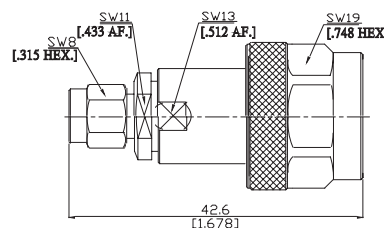


P/N

AD-U1N25A/H44-H4

55. RPC2.92 Plug to Precision N Plug

VSWR DC-18GHz $\leq$ 1.15

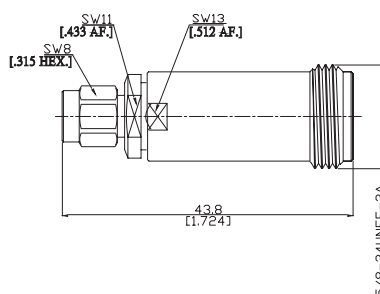


P/N

AD-K1PCN15A/9XX-9XX

55. RPC2.92 Plug to Precision N Jack

VSWR DC-18GHz $\leq$ 1.15

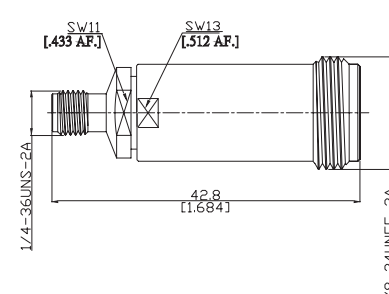


P/N

AD-K1PCN25A/9XX-9X

55. RPC2.92 Jack to Precision N Plug

VSWR DC-18GHz $\leq$ 1.15

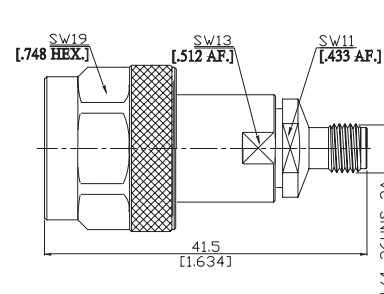


P/N

AD-K2PCN25A/9X-9X

55. Precision N Plug to RPC2.92 Jack

VSWR DC-18GHz $\leq$ 1.15



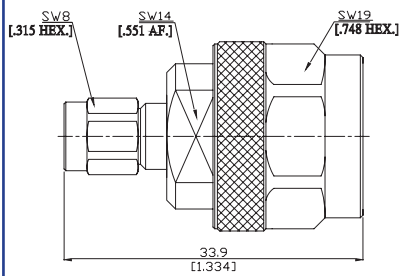
P/N

AD-PCN1K25A/9XX-9X

Straight Adaptors - Between Series

55. RPC2.92 Plug to Precision N Plug

VSWR DC- 18GHz ≤ 1.15

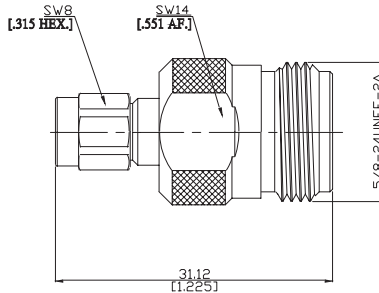


P/N

AD-K1PCN15B/9XX-9XX

55. RPC2.92 Plug to Precision N Jack

VSWR DC- 18GHz ≤ 1.15

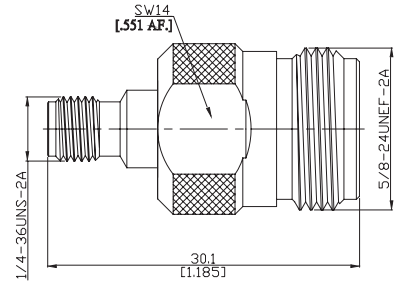


P/N

AD-K1PCN25B/9XX-9X

55. RPC2.92 Jack to Precision N Jack

VSWR DC- 18GHz ≤ 1.15

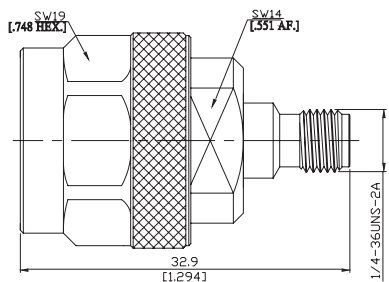


P/N

AD-K2PCN25B/9X-9X

55. Precision N Plug to RPC2.92 Jack

VSWR DC- 18GHz ≤ 1.15

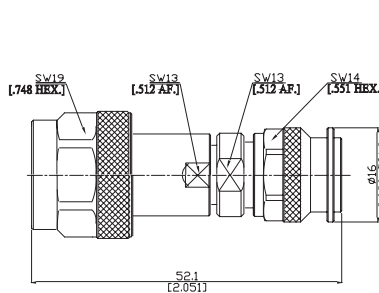


P/N

AD-PCN1PC25B/9XX-9X

56. Precision N Plug to TNCA Plug

VSWR DC-18GHz ≤ 1.20

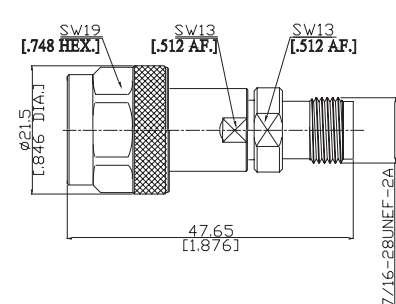


P/N

AD-PCN1TA15A/9XX-9XX

56. Precision N Plug to TNCA Jack

VSWR DC-18GHz ≤ 1.20

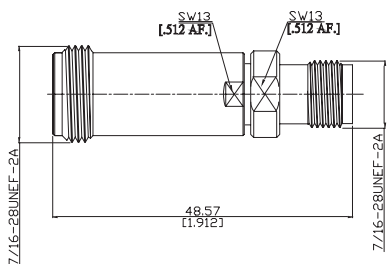


P/N

AD-PCN1TA25A/9XX-9X

56. Precision N Jack to TNCA Jack

VSWR DC-18GHz ≤ 1.20

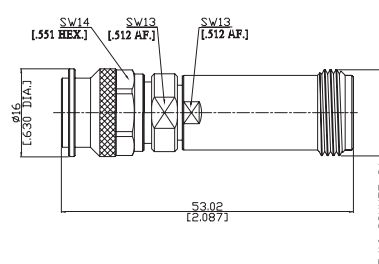


P/N

AD-PCN2TA25A/9X-9X

56. TNCA Plug to Precision N Jack

VSWR DC-18GHz ≤ 1.20

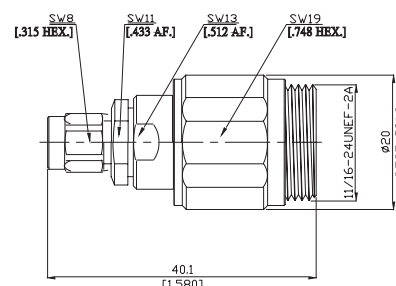


P/N

AD-TA1PCN25A/9XX-9X

57. RPC2.92 Plug to RPC7 Sexless

VSWR DC- 18GHz ≤ 1.15



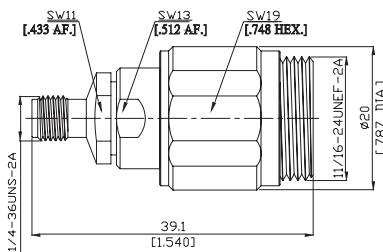
P/N

AD-K1P7S5A/9XX-9XX

Straight Adaptors - Between Series

57. RPC2.92 Jack to RPC7 Sexless

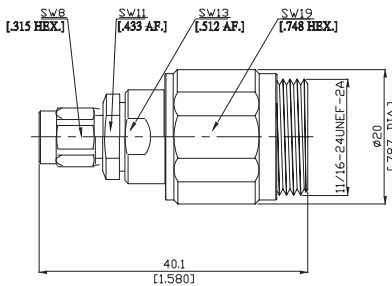
VSWR DC- 18GHz $\leq$ 1.15



P/N
AD-K2P7S5A/9X-9XX

58. RPC3.5 Plug to RPC7 Sexless

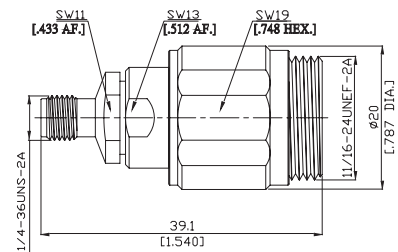
VSWR DC- 18GHz $\leq$ 1.15



P/N
AD-PC1P7S5A/9XX-9XX

58. RPC3.5 Jack to RPC7 Sexless

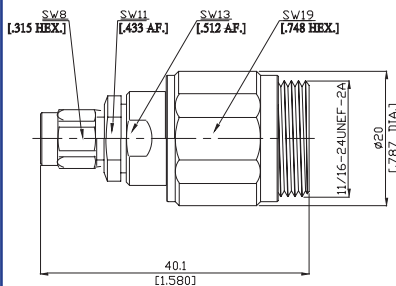
VSWR DC- 18GHz $\leq$ 1.15



P/N
AD-PC2P7S5A/9X-9XX

59. SMA Plug to RPC7 Sexless

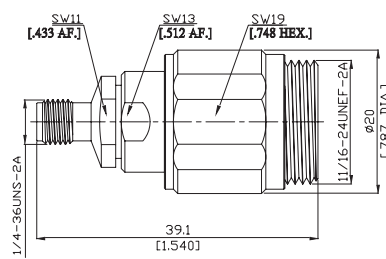
VSWR DC-18GHz $\leq$ 1.15



P/N
AD-A1P7X5A/9XX-9XX

59. SMA Jack to RPC7 Sexless

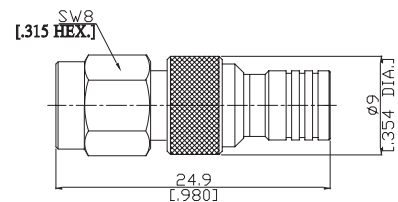
VSWR DC-18GHz $\leq$ 1.15



P/N
AD-A2P7X5A/9X-9XX

60. SMA Plug to SMB Plug

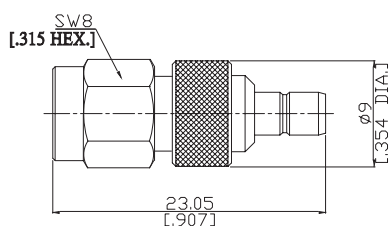
VSWR DC- 4GHz $\leq$ 1.35



P/N
AD-A1S15A/911-911

60. SMA Plug to SMB Jack

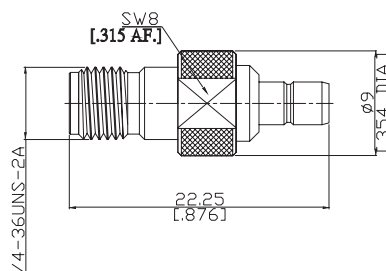
VSWR DC- 4GHz $\leq$ 1.35



P/N
AD-A1S25A/111-11

60. SMA Jack to SMB Jack

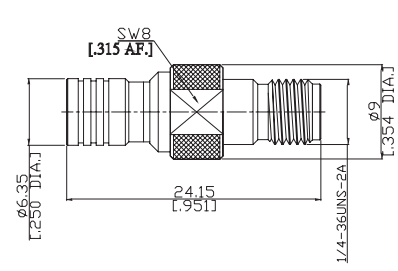
VSWR DC- 4GHz $\leq$ 1.35



P/N
AD-A2S25A/91-91

60. SMB Plug to SMA Jack

VSWR DC- 4GHz $\leq$ 1.35

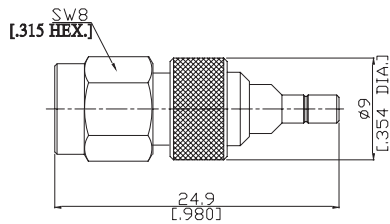


P/N
AD-S1A25A/911-91

Straight Adaptors - Between Series

61. SMA Plug to SSMB Jack

VSWR DC-4GHz ≤ 1.35

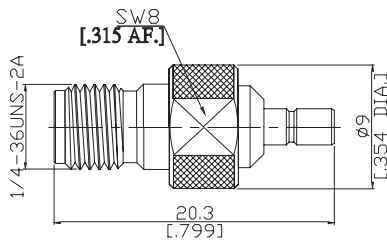


P/N

AD-A1SB25A/111-11

61. SMA Jack to SSMB Jack

VSWR DC-4GHz ≤ 1.35

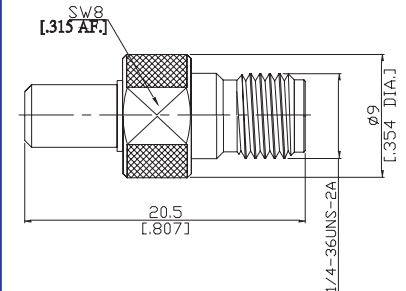


P/N

AD-A2SB25A/91-91

61. SSMB Plug to SMA Jack

VSWR DC-4GHz ≤ 1.35

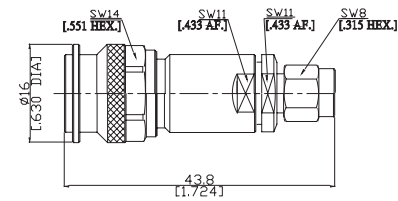


P/N

AD-SB1A25A/911-91

62. SMA Plug to TNCA Plug

VSWR DC-18GHz ≤ 1.20

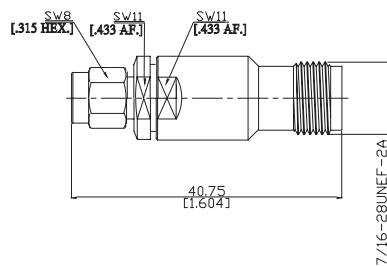


P/N

AD-A1TA15A/9XX-9XX

62. SMA Plug to TNCA Jack

VSWR DC-18GHz ≤ 1.20

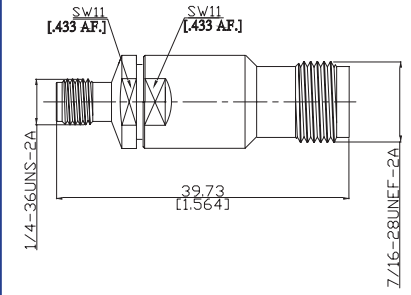


P/N

AD-A1TA25A/9XX-9X

62. SMA Jack to TNCA Jack

VSWR DC-18GHz ≤ 1.20

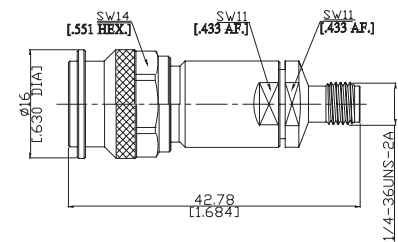


P/N

AD-A2TA25A/9X-9X

62. TNCA Plug to SMA Jack

VSWR DC-18GHz ≤ 1.20

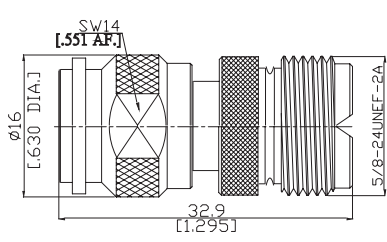


P/N

AD-TA1A25A/9XX-9X

63. TNC Plug to UHF Jack

DC-300MHz

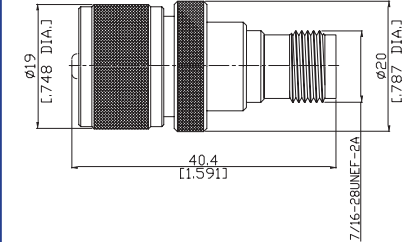


P/N

AD-T1U25A/H44-H4

63. UHF Plug to TNC Jack

DC-300MHz



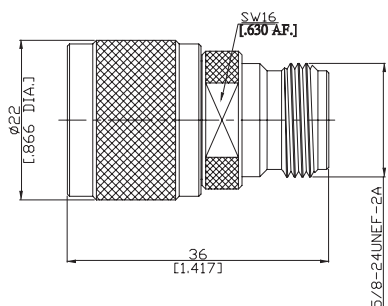
P/N

AD-U1T25A/H44-H4

Straight Adaptors - Between Series

64. HN Plug to N Jack

DC-11GHz

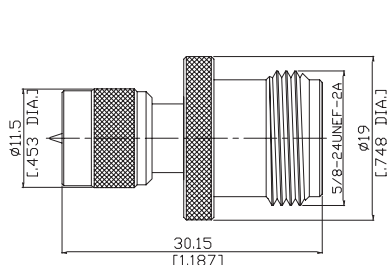


P/N

AD-HN1N25A/833-83

65. Mini UHF Plug to N Jack

DC-2.5GHz

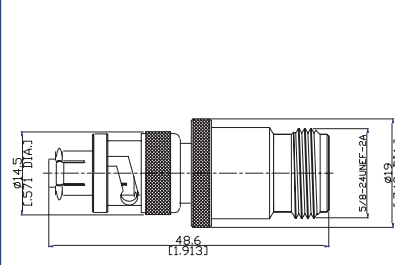


P/N

AD-MU1N25A/144-94

66. SHV Plug to N Jack

DC-200MHz

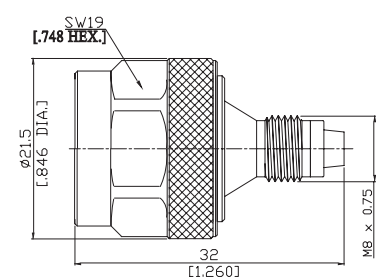


P/N

AD-SV1N25A/944-94

67. N Plug to FME Jack

DC-200MHz

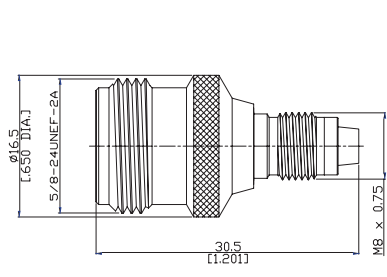


P/N

AD-N1E25A/H44-H4

67. N Jack to FME Jack

DC-200MHz

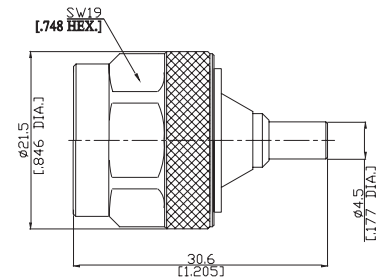


P/N

AD-N2E25A/H4-H4

68. N Plug to MCX Jack

VSWR DC-6GHz ≤ 1.20

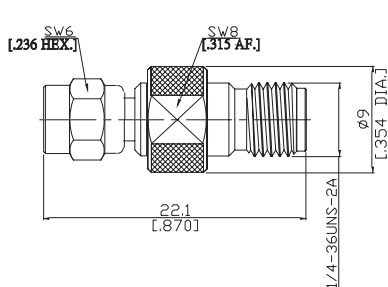


P/N

AD-N1M25A/144-91

69. SMC Plug to SMA Jack

VSWR DC-10GHz ≤ 1.35

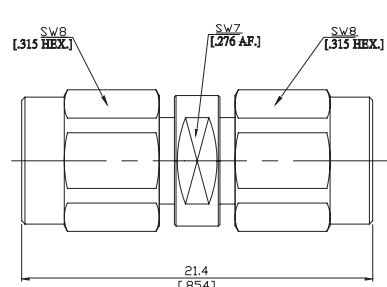


P/N

AD-MC1A25A/911-91

70. RPC2.92 Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15

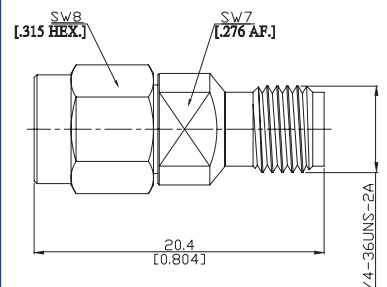


P/N

AD-K1A15A/9XX-9XX

70. RPC2.92 Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15



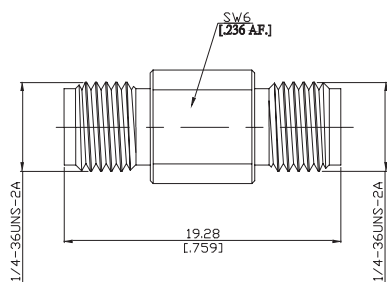
P/N

AD-K1A25A/9XX-9X

Straight Adaptors - Between Series

70. RPC2.92 Jack to SMA Jack

VSWR DC- 18GHz $\leq$ 1.15

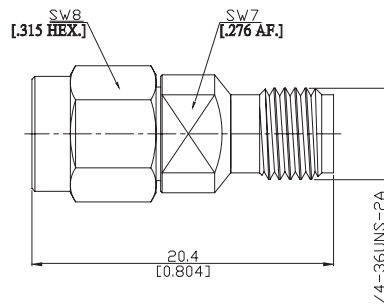


P/N

AD-K2A25A/9XX-9X

70. SMA Plug to RPC2.92 Jack

VSWR DC- 18GHz $\leq$ 1.15

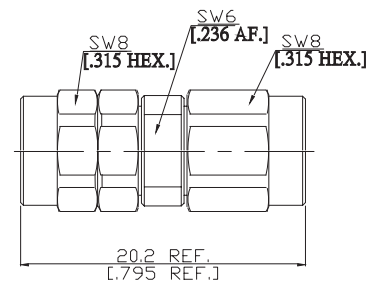


P/N

AD-A1K25A/9XX-9X

71. RPC2.4 Plug to SMA Plug

VSWR DC- 18GHz $\leq$ 1.15

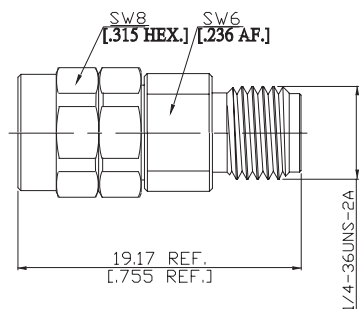


P/N

AD-Q1A15A/9XX-9XX

71. RPC2.4 Plug to SMA Jack

VSWR DC- 18GHz $\leq$ 1.15

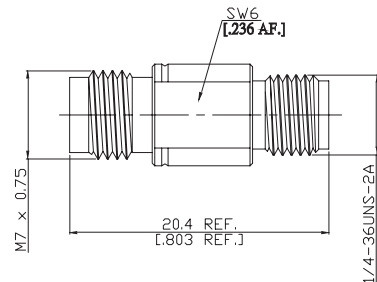


P/N

AD-Q1A25A/9XX-9X

71. RPC2.4 Jack to SMA Jack

VSWR DC- 18GHz $\leq$ 1.15

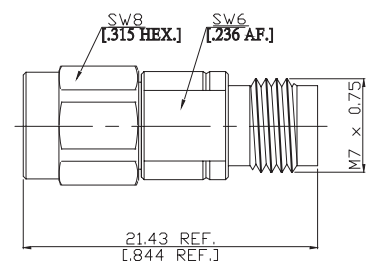


P/N

AD-Q2A25A/9X-9X

71. SMA Plug to RPC2.4 Jack

VSWR DC- 18GHz $\leq$ 1.15

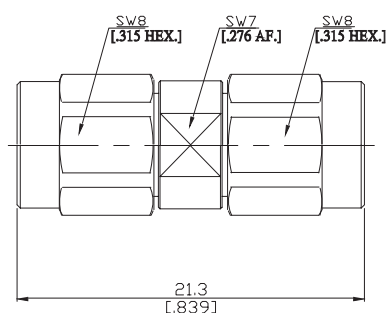


P/N

AD-A1Q25A/9XX-9X

72. RPC3.5 Plug to SMA Plug

VSWR DC- 18GHz $\leq$ 1.15

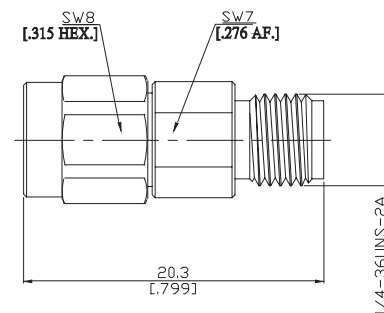


P/N

AD-PC1A15A/9XX-9XX

72. RPC3.5 Plug to SMA Jack

VSWR DC- 18GHz $\leq$ 1.15

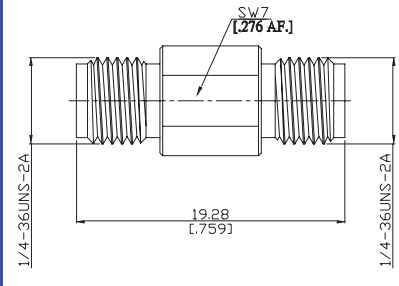


P/N

AD-PC1A25A/9XX-9X

72. RPC3.5 Jack to SMA Jack

VSWR DC- 18GHz $\leq$ 1.15



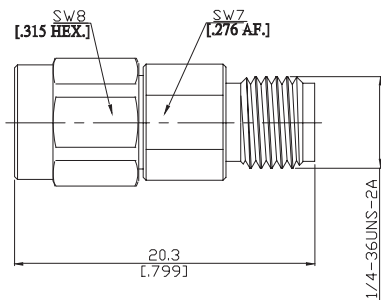
P/N

AD-PC2A25A/9X-9X

Straight Adaptors - Between Series

72. SMA Plug to RPC3.5 Jack

VSWR DC- 18GHz $\leq$ 1.15

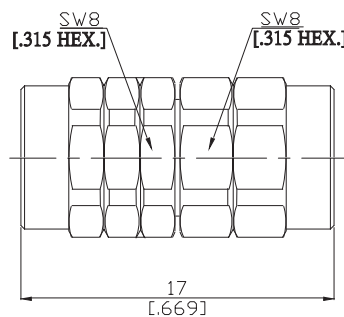


P/N

AD-A1PC25A/9XX-9X

73. RPC1.85 Plug to RPC2.4 Plug

VSWR DC- 50GHz $\leq$ 1.20

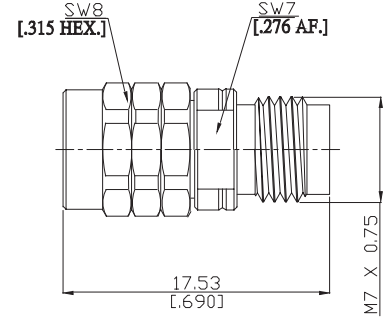


P/N

AD-V1Q15A/9XX-9XX

73. RPC1.85 Plug to RPC2.4 Jack

VSWR DC- 50GHz $\leq$ 1.20

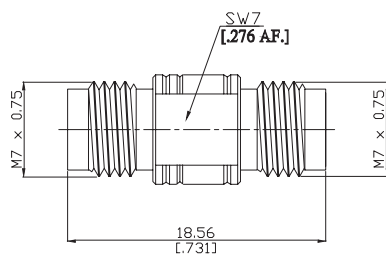


P/N

AD-V1Q25A/9XX-9X

73. RPC1.85 Jack to RPC2.4 Jack

VSWR DC- 50GHz $\leq$ 1.20

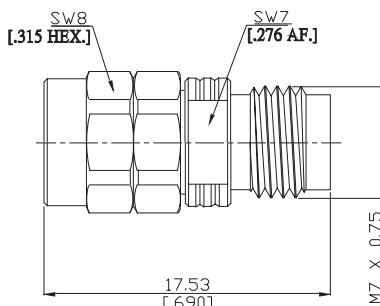


P/N

AD-V2Q25A/9X-9X

73. RPC2.4 Plug to RPC1.85 Jack

VSWR DC- 50GHz $\leq$ 1.20



P/N

AD-Q1V25A/9XX-9X

Right Angle Adaptors Connector matching matrix

	716	BNC	F	MHV	Mini-UHF	N	RPC 2.4	RPC 2.92	RPC 3.5	SHV	SMA	SMC	SSMA	UHF	TNC
716	7														
BNC		4													
F			6												
MHV				11											
Mini-UHF					10										
N						5									
RPC2.4							15								
RPC2.92								14							
RPC3.5									13						
SHV										12					
SMA											1				
SMC												2			
SSMA													8		
UHF														9	
TNC															3

How to find an adaptor

The interface pairing of an adaptor can be found in the matrix above.

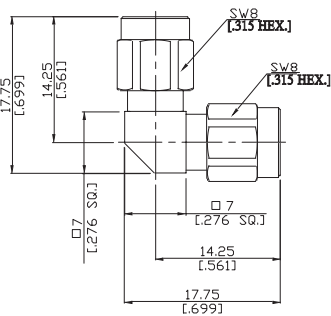
The various interface services are listed in the first column and row. The matrix number is the intercept point of two interfaces (e.g 5 for N to N). The matrix number can be found in the upper left corner of the detail adaptors information in the following pages. The adaptors are sorted by this matrix number in ascending order. Consequently all N to N adaptors have the matrix number 5 and are in immediate succession.

If there is no number in an intercept point there are no adaptors for this connector pairing available.

Right Angle Adaptors - Within Series

1. SMA Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15

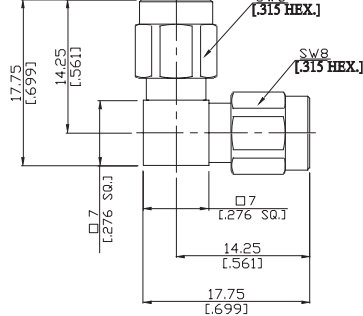


P/N

ASL-A1A15A/911-911

1. SMA Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15

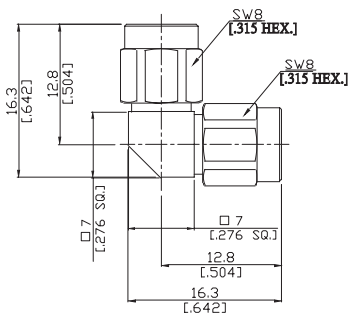


P/N

ADL-A1A15A/911-911

1. SMA Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15

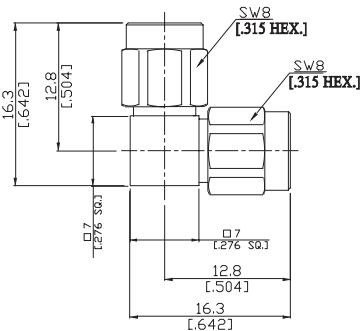


P/N

ASL-A1A15C/911-911

1. SMA Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15

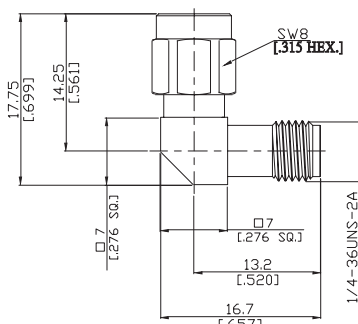


P/N

ADL-A1A15C/911-911

1. SMA Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15

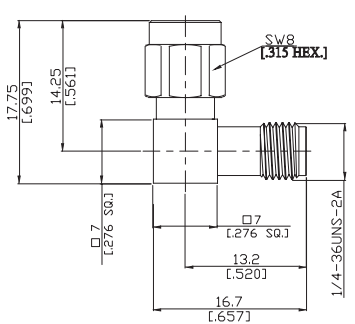


P/N

ASL-A1A25A/911-91

1. SMA Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15

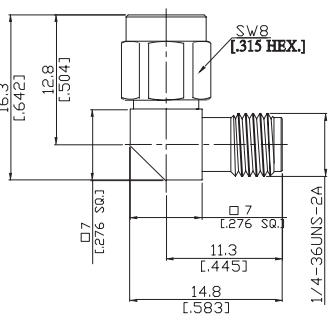


P/N

ADL-A1A25A/911-91

1. SMA Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15

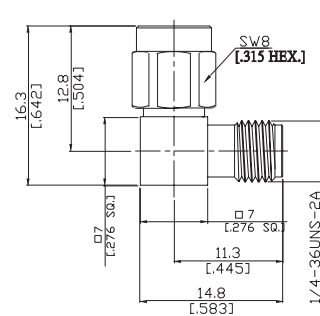


P/N

ASL-A1A25C/911-91

1. SMA Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15

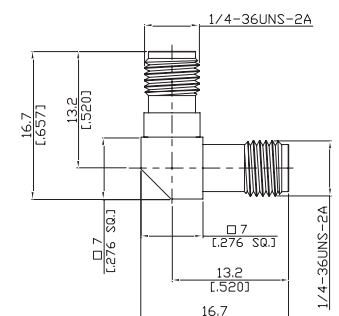


P/N

ADL-A1A25C/911-91

1. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15



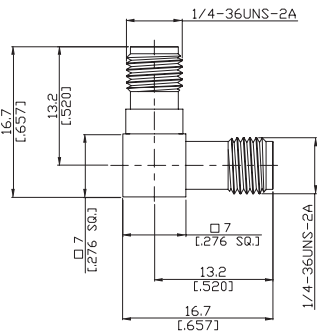
P/N

ASL-A2A25A/911-91

Right Angle Adaptors - Within Series

1. SMA Jack to SMA Jack

VSWR DC-18GHz $\leq$ 1.15

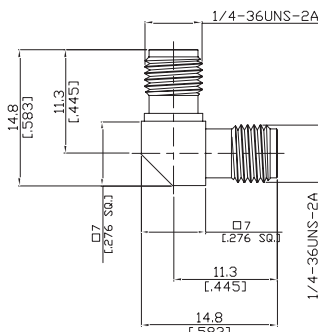


P/N

ADL-A2A25A/911-91

1. SMA Jack to SMA Jack

VSWR DC-18GHz $\leq$ 1.15

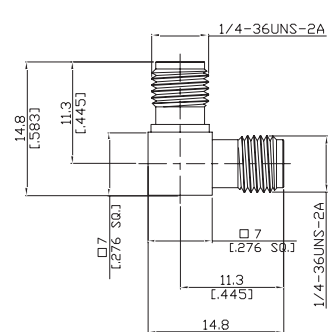


P/N

ASL-A2A25C/91-91

1. SMA Jack to SMA Jack

VSWR DC-18GHz $\leq$ 1.15

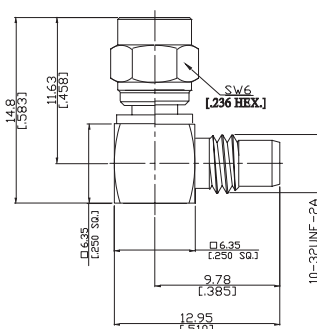


P/N

ADL-A2A25C/91-91

2. SMC Plug to SMC Jack

VSWR DC- 6GHz $\leq$ 1.35

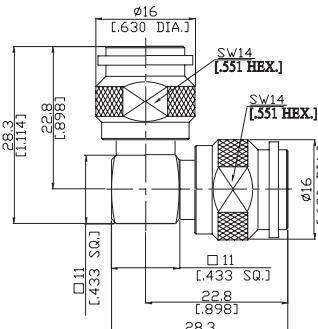


P/N

ADL-MC1MC25A/911-11

3. TNC Plug to TNC Plug

VSWR DC-11GHz $\leq$ 1.25

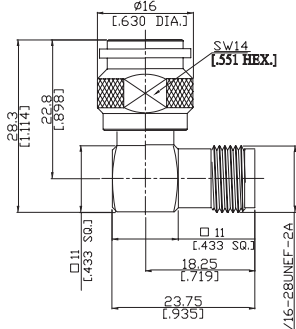


P/N

ADL-T1T15A/9XX-9XX

3. TNC Plug to TNC Jack

VSWR DC-11GHz $\leq$ 1.25

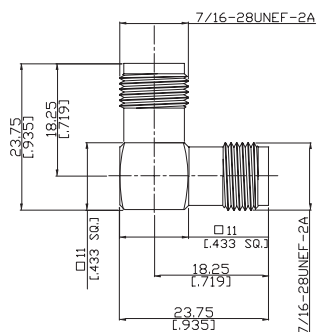


P/N

ADL-T1T25A/144-94

3. TNC Jack to TNC Jack

VSWR DC-11GHz $\leq$ 1.25

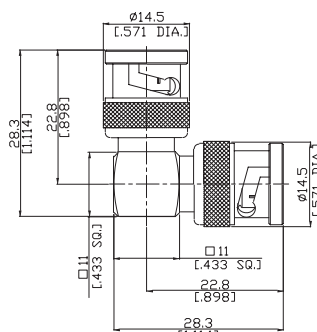


P/N

ADL-T2T25A/9X-9X

4. BNC Plug to BNC Plug

VSWR DC-4GHz $\leq$ 1.25

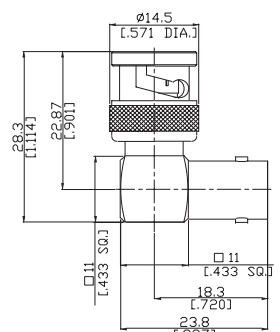


P/N

ADL-B1B15A/144-144

4. BNC Plug to BNC Jack

VSWR DC-4GHz $\leq$ 1.25



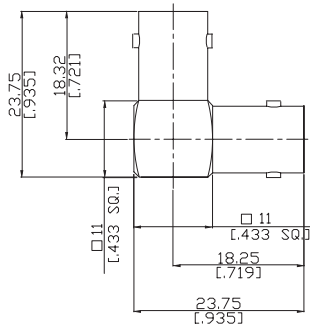
P/N

ADL-B1B25A/144-94

Right Angle Adaptors - Within Series

4. BNC Jack to BNC Jack

VSWR DC-4GHz ≤ 1.25

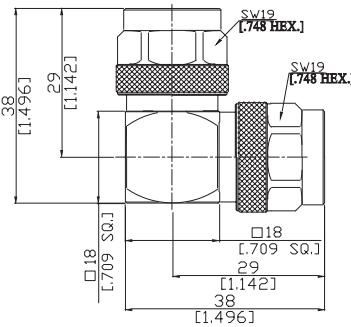


P/N

ADL-B2B25A/94-94

5. N Plug to N Plug

VSWR DC-11GHz ≤ 1.25

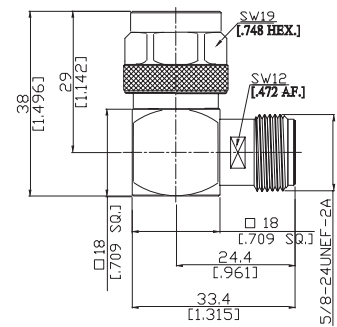


P/N

ADL-N1N15A/144-144

5. N Plug to N Jack

VSWR DC-11GHz ≤ 1.25

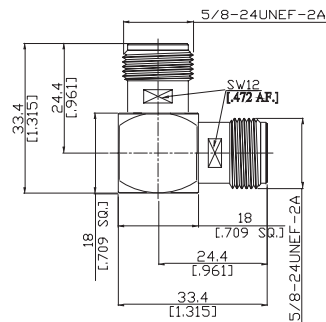


P/N

ADL-N1N25A/944-94

5. N Jack to N Jack

VSWR DC-11GHz ≤ 1.25

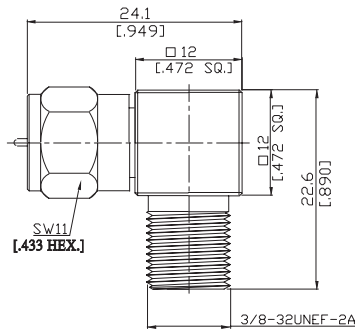


P/N

ADL-N2N25A/94-94

6. F Plug to F Jack

DC-1GHz

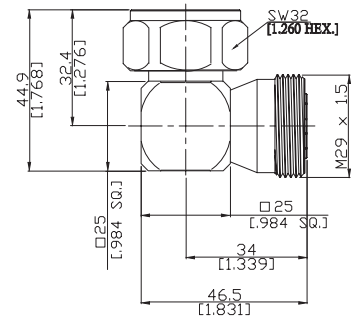


P/N

ADL-F1F27A/144-94

7. 7-16 Plug to 7-16 Jack

VSWR DC-7.5GHz ≤ 1.20

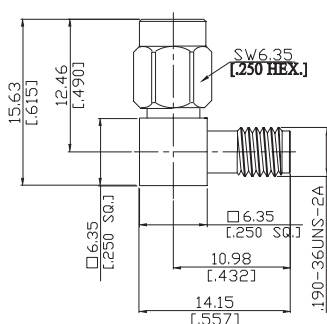


P/N

ADL-D1D25A/044-G4

8. SSMA Plug to SSMA Jack

DC-18GHz

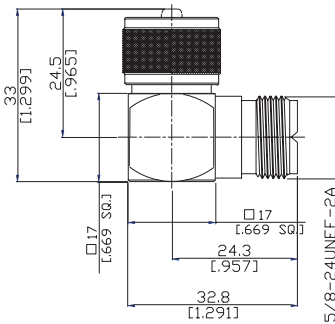


P/N

ADL-SA1SA25A/911-91

9. UHF Plug to UHF Jack

DC-300MHz

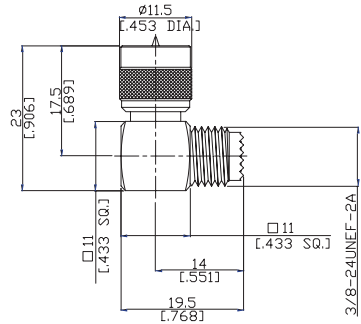


P/N

ADL-U1U25A/H33-H3

10. Mini-UHF Plug to Mini-UHF Jack

DC-2.5GHz



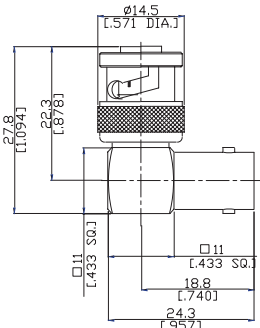
P/N

ADL-MU1MU25A/H33-H3

Right Angle Adaptors - Within Series

11. MHV Plug to MHV Jack

DC- 300MHz

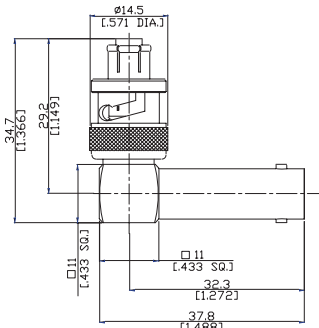


P/N

ADL-MV1MV25A/H33-H3

12. SHV Plug to SHV Jack

DC- 300MHz

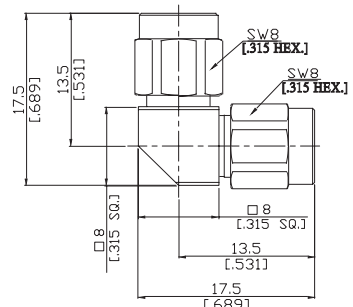


P/N

ADL-SV1SV25A/H33-H3

13. RPC3.5 Plug to RPC3.5 Plug

VSWR DC- 26.5GHz ≤ 1.25

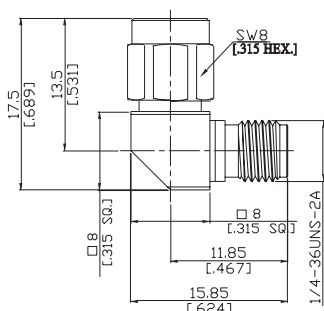


P/N

ASL-PC1PC15A/9XX-9XX

13. RPC3.5 Plug to RPC3.5 Jack

VSWR DC- 26.5GHz ≤ 1.25

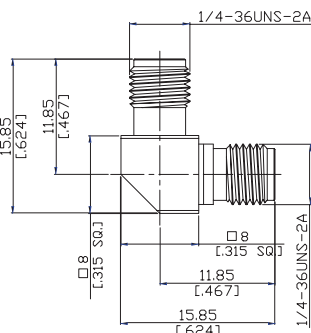


P/N

ASL-PC1PC25A/9XX-9X

13. RPC3.5 Jack to RPC3.5 Jack

VSWR DC- 26.5GHz ≤ 1.25

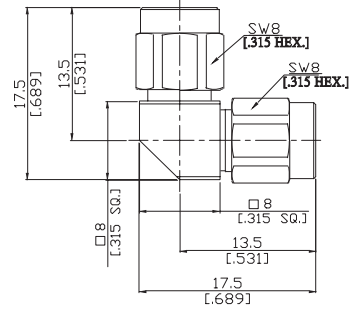


P/N

ASL-PC2PC25A/9X-9X

14. RPC2.92 Plug to RPC2.92 Plug

VSWR DC- 40GHz ≤ 1.25

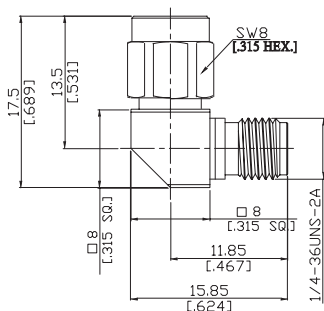


P/N

ASL-K1K15A/9XX-9XX

14. RPC2.92 Plug to RPC2.92 Jack

VSWR DC- 40GHz ≤ 1.25

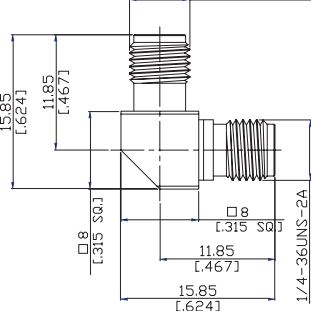


P/N

ASL-K1K25A/9XX-9X

14. RPC2.92 Jack to RPC2.92 Jack

VSWR DC- 40GHz ≤ 1.25

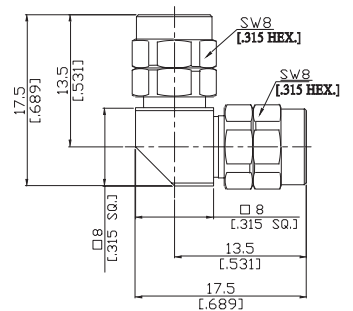


P/N

ASL-K2K25A/9X-9X

15. RPC2.4 Plug to RPC2.4 Plug

VSWR DC- 50GHz ≤ 1.30

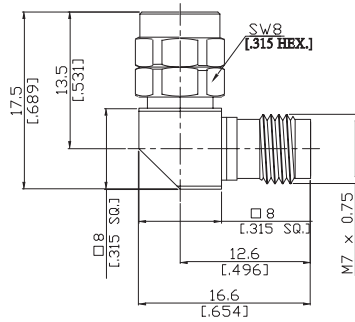


P/N

ASL-Q1Q15A/9XX-9XX

15. RPC2.4 Plug to RPC2.92 Jack

VSWR DC-50GHz ≤ 1.30

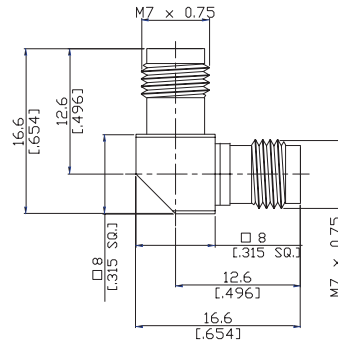


P/N

ASL-Q1Q25A/9XX-9X

15. RPC2.4 Jack to RPC2.4 Jack

VSWR DC 50GHz ≤ 1.30



P/N

ASL-Q2Q25A/9X-9X

Bulkhead Adaptors Connector matching matrix

	BNC	C	MCX	N	Precision N	RPC 2.92	RPC 3.5	SC	SMA Snap-On	SMA	SMB	SMS	TNC	TNCA
BNC	2									14				
C		10												
MCX			9											
N				3						13				
Precision N					4									
RPC2.92						11								
RPC3.5							12							
SC								6						
SMA Snap-On										16				
SMA	14			13					16	1				15
SMB											7			
SMS												8		
TNC													5	
TNCA										15				

How to find an adaptor

The interface pairing of an adaptor can be found in the matrix above.

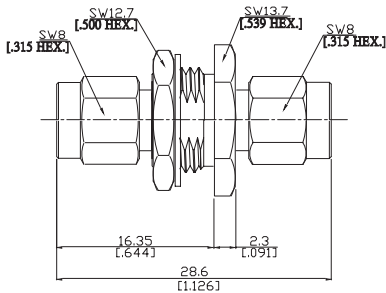
The various interface services are listed in the first column and row. The matrix number is the intercept point of two interfaces (e.g 9 for MCX to MCX). The matrix number can be found in the upper left corner of the detail adaptors information in the following pages. The adaptors are sorted by this matrix number in ascending order. Consequently all MCX to MCX adaptors have the matrix number 9 and are in immediate succession. If the adaptor consists of two different interfaces the matrix number can be found either by following the row and then the column or vice versa. For example row SMA and column BNC leads to 14 as well as BNC and column SMA.

If there is no number in an intercept point there are no adaptors for this connector pairing available.

Bulkhead Adaptors - Within Series

1. SMA Plug to SMA Plug

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD6

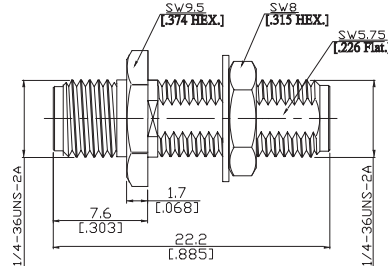


P/N

AD-A1A15A-BH/111-111

1. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD3

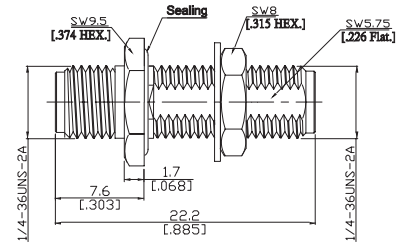


P/N

AD-A2A25A-BH/91-91

1. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD3

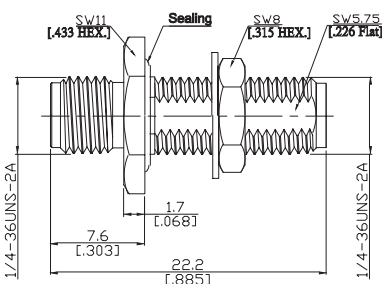


P/N

AD-A2A25B-BH/91-91

1. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD3

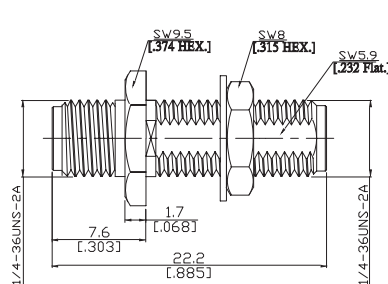


P/N

AD-A2A25C-BH/91-91

1. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD95

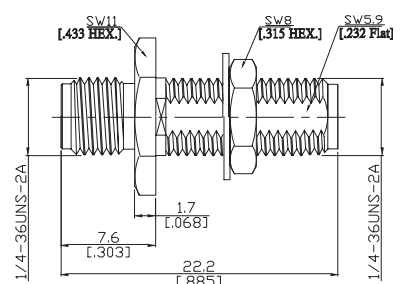


P/N

AD-A2A25D-BH/91-91

1. SMA Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD95

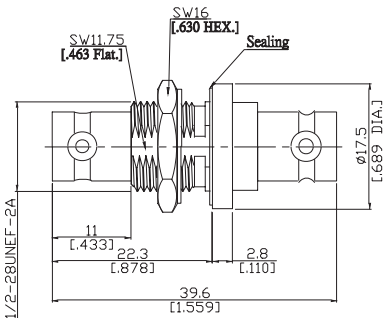


P/N

AD-A2A25E-BH/91-91

2. BNC Jack to BNC Jack

VSWR DC-4GHz ≤ 1.2
Mounting Dimension : MD7

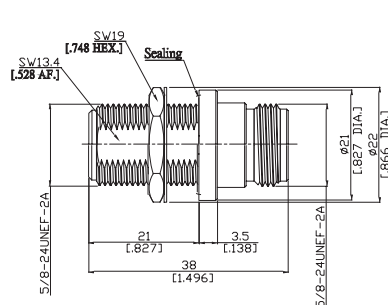


P/N

AD-B2B25A-BH/H3-H3

3. N Jack to N Jack

VSWR DC-11GHz ≤ 1.2
Mounting Dimension : MD5

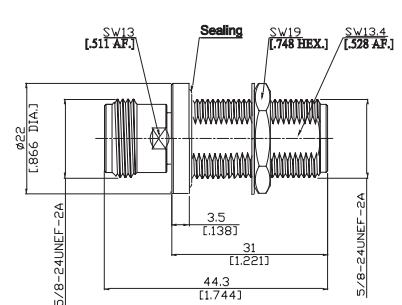


P/N

AD-N2N25A-BH/93-93

4. Precision N Jack to Precision N Jack

VSWR DC-18GHz ≤ 1.2
Mounting Dimension : MD5



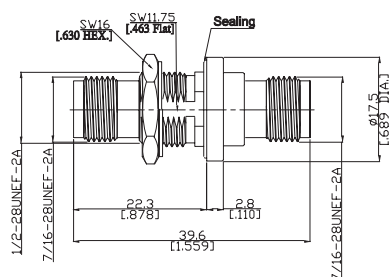
P/N

AD-PCN2PCN25A-BH/9X-9X

Bulkhead Adaptors - Within Series

5. TNC Jack to TNC Jack

VSWR DC-11GHz ≤ 1.25
Mounting Dimension : MD7

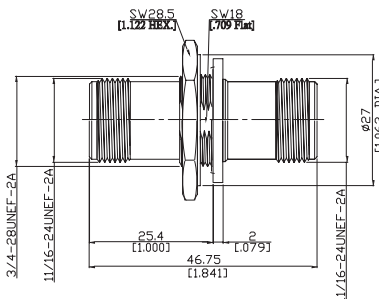


P/N

AD-T2T25A-BH/H4-H4

6. SC Jack to SC Jack

DC-11GHz
Mounting Dimension : MD2

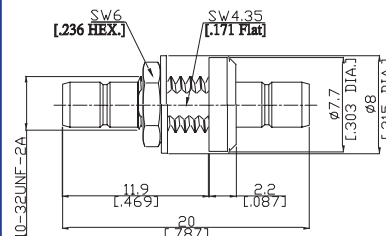


P/N

AD-SC2SC25A-BH/HX-HX

7. SMB Jack to SMB Jack

VSWR DC- 4GHz ≤ 1.35
Mounting Dimension : MD63

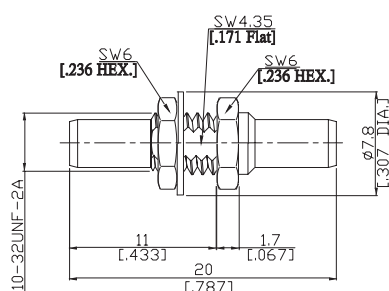


P/N

AD-S2S25A-BH/11-11

8. SMS Jack to SMS Jack

VSWR DC- 4GHz ≤ 1.35
Mounting Dimension : MD63

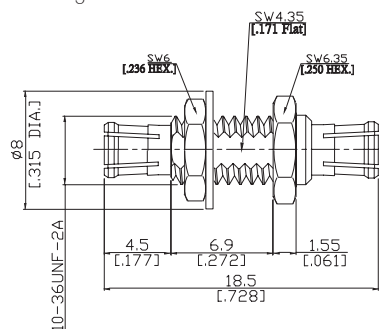


P/N

AD-SM2SM25A-BH/11-11

9. MCX Plug to MCX Plug

VSWR DC- 4GHz ≤ 1.35
Mounting Dimension : MD63

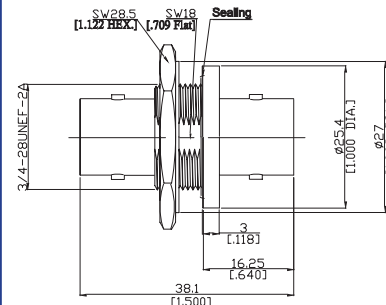


P/N

AD-M1M15A-BH/1H-1H

10. C Jack to C Jack

DC- 4GHz
Mounting Dimension : MD2

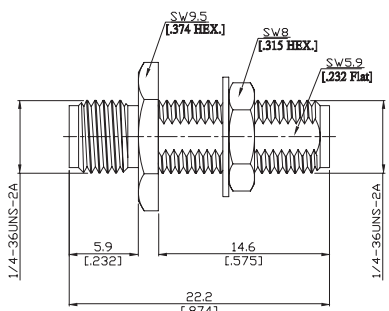


P/N

AD-C2C25A-BH/93-93

11. RPC2.92 Jack to RPC2.92 Jack

VSWR DC- 40GHz ≤ 1.2
Mounting Dimension : MD95

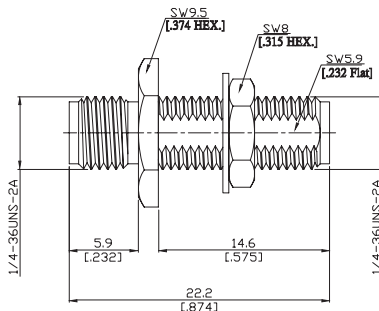


P/N

AD-K2K25A-BH/9X-9X

12. RPC3.5 Jack to RPC3.5 Jack

VSWR DC- 26.5GHz ≤ 1.2
Mounting Dimension : MD95



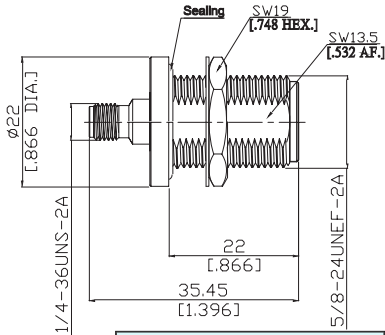
P/N

AD-PC2PC25A-BH/9X-9X

Bulkhead Adaptors - Between Series

13. SMA Jack to N Jack

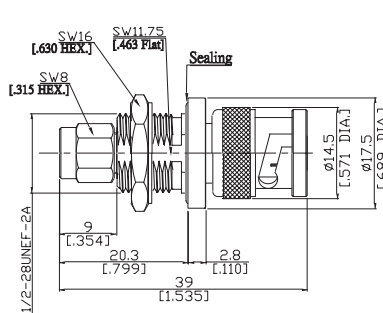
VSWR DC-11GHz ≤ 1.2
Mounting Dimension : MD5



P/N
AD-A2N25A-BH/9X-9X

14. SMA Plug to BNC Plug

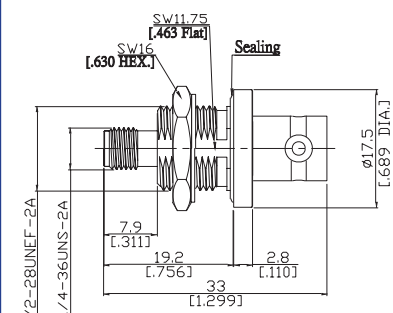
VSWR DC-4GHz ≤ 1.2
Mounting Dimension : MD7



P/N
AD-A1B15A-BH/133-133

14. SMA Jack to BNC Jack

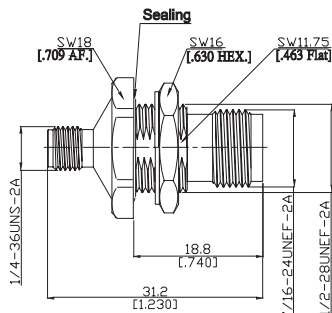
VSWR DC-4GHz ≤ 1.2
Mounting Dimension : MD7



P/N
AD-A2B25A-BH/H3-H3

15. SMA Jack to TNCA Jack

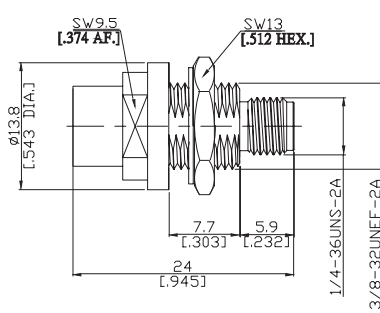
VSWR DC-18GHz ≤ 1.2
Mounting Dimension : MD7



P/N
AD-A2TA25A-BH/9X-9X

16. SMA Snap-On Jack to SMA Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD18



P/N
AD-AQ1A25A-BH/91X-9X

Panel Adaptors Connector matching matrix

	716	BMC	BNC	N	Precision N	RPC2.92	SMA	SMP	TNC
716	5								
BMC							10		
BNC			2	11			9		
N			11	3			7		
Precision N							8		
RPC2.92						6			
SMA		10	9	7	8		1		
SMP									
TNC									4

How to find an adaptor

The interface pairing of an adaptor can be found in the matrix above.

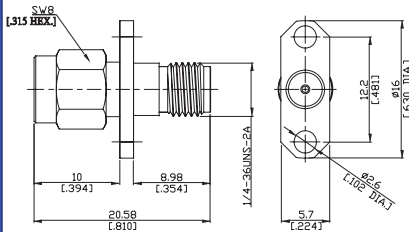
The various interface services are listed in the first column and row. The matrix number is the intercept point of two interfaces (e.g 2 for BNC to BNC). The matrix number can be found in the upper left corner of the detail adaptors information in the following pages. The adaptors are sorted by this matrix number in ascending order. Consequently all BNC to BNC adaptors have the matrix number 2 and are in immediate succession. If the adaptor consists of two different interfaces the matrix number can be found either by following the row and then the column or vice versa. For example row BNC and column SMA leads to 9 as well as SMA and column BNC.

If there is no number in an intercept point there are no adaptors for this connector pairing available.

Panel Adaptors - Within Series

1. SMA Plug to SMA Jack

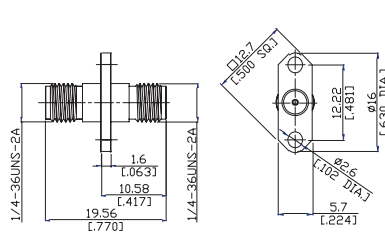
VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD13



P/N
AD-A1A25A-PT/911-91

1. SMA Jack to SMA Jack

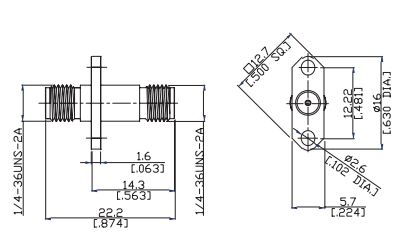
VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD13



P/N
AD-A2A25A-PT/91-91

1. SMA Jack to SMA Jack

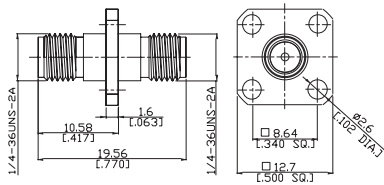
VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD13



P/N
AD-A2A25B-PT/91-91

1. SMA Jack to SMA Jack

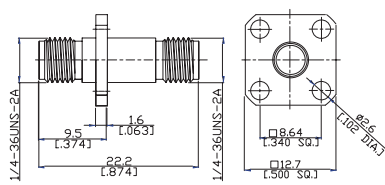
VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD10



P/N
AD-A2A25A-PF/91-91

1. SMA Jack to SMA Jack

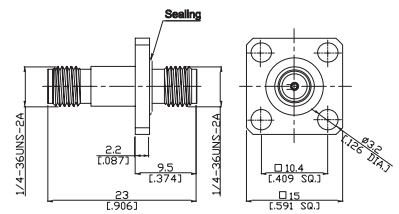
VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD10



P/N
AD-A2A25B-PF/91-91

1. SMA Jack to SMA Jack

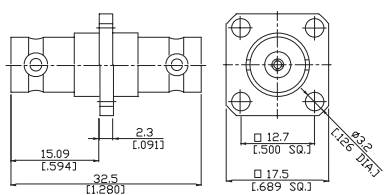
VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD115



P/N
AD-A2A25C-PF/91-91

2. BNC Jack to BNC Jack

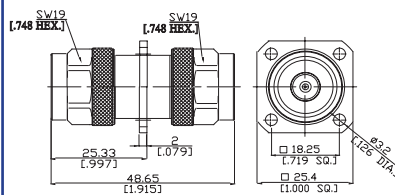
VSWR DC-4GHz ≤ 1.2
Mounting Dimension : MD9



P/N
AD-B2B25A-PF/H4-H4

3. N Plug to N Plug

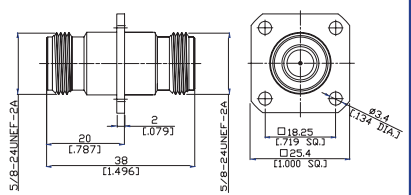
VSWR DC-11GHz ≤ 1.2
Mounting Dimension : MD12



P/N
AD-N1N15A-PF/144-144

3. N Jack to N Jack

VSWR DC-11GHz ≤ 1.2
Mounting Dimension : MD14

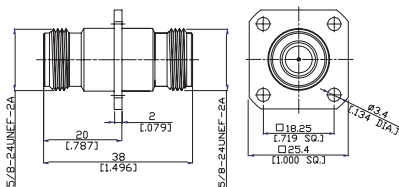


P/N
AD-N2N25A-PF/H4-H4

Panel Adaptors - Within Series

3. N Jack to N Jack

VSWR DC-11GHz ≤ 1.2
Mounting Dimension : MD14

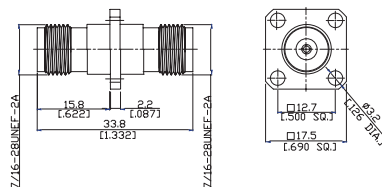


P/N

AD-N2N25B-PF/H4-H4

4. TNC Jack to TNC Jack

VSWR DC-11GHz ≤ 1.2
Mounting Dimension : MD9

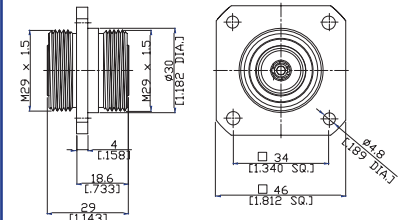


P/N

AD-T2T25A-PF/H4-H4

5. 716 Jack to 716 Jack

VSWR DC-7.5GHz ≤ 1.2
Mounting Dimension : MD8

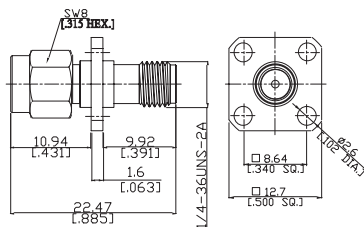


P/N

AD-D2D25A-PF/G4-G4

6. RPC2.92 Plug to RPC2.92 Jack

VSWR DC-40GHz ≤ 1.2
Mounting Dimension : MD10

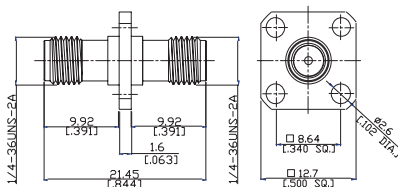


P/N

AD-K1K25A-PF/9XX-9X

6. RPC2.92 Jack to RPC2.92 Jack

VSWR DC-40GHz ≤ 1.2
Mounting Dimension : MD10



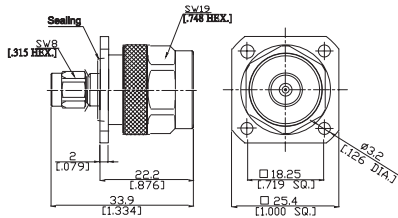
P/N

AD-K2K25A-PF/9X-9X

Panel Adaptors - Between Series

7. SMA Plug to N Plug

VSWR DC-11GHz ≤ 1.15
Mounting Dimension : MD16

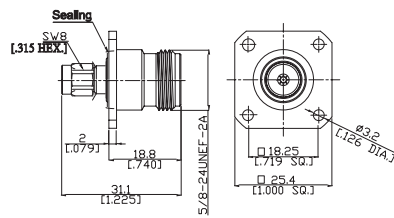


P/N

AD-A1N15A-PF/H11-I33

7. SMA Plug to N Jack

VSWR DC-11GHz ≤ 1.15
Mounting Dimension : MD16

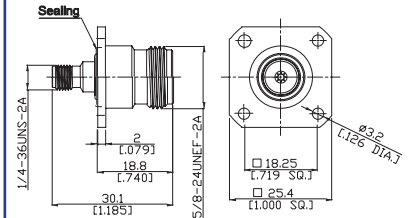


P/N

AD-A1N25A-PF/H11-H3

7. SMA Jack to N Jack

VSWR DC-11GHz ≤ 1.15
Mounting Dimension : MD16

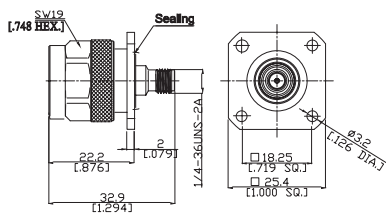


P/N

AD-A2N25A-PF/91-H3

7. N Plug to SMA Jack

VSWR DC-11GHz ≤ 1.15
Mounting Dimension : MD16

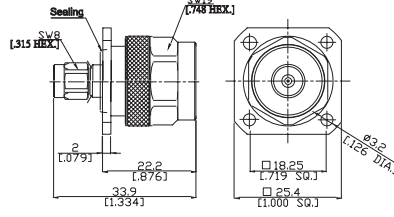


P/N

AD-N1A25A-PF/H33-91

8. SMA Plug to Precision N Plug

VSWR DC-18GHz ≤ 1.2
Mounting Dimension : MD16

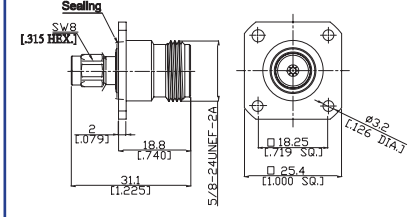


P/N

AD-A1PCN15A-PF/H11-H44

8. SMA Plug to Precision N Jack

VSWR DC-18GHz ≤ 1.2
Mounting Dimension : MD16

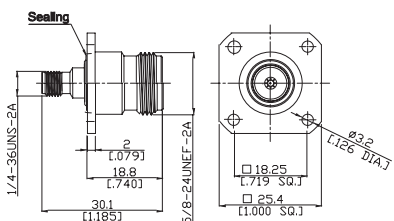


P/N

AD-A1PCN25A-PF/H11-H4

8. SMA Jack to Precision N Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD16

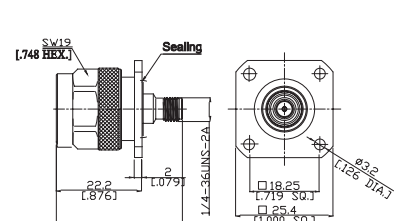


P/N

AD-A2PCN25A-PF/91-H4

8. Precision N Plug to SMA Jack

VSWR DC-18GHz ≤ 1.15
Mounting Dimension : MD16

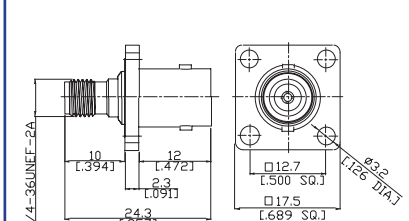


P/N

AD-PCN1A25A-PF/H44-91

9. SMA Jack to BNC Jack

VSWR DC-4GHz ≤ 1.2
Mounting Dimension : MD9



P/N

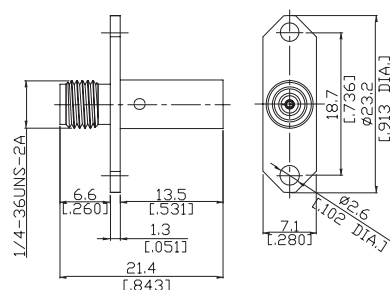
AD-A2B25A-PF/91-93

Panel Adaptors - Between Series

10. SMA Jack to BMC Jack

DC-1GHz

Mounting Dimension : MD141



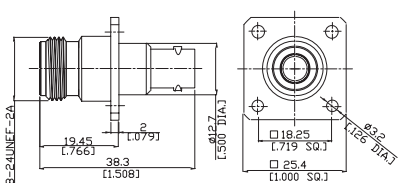
P/N

AD-A2BC25A-PT/9X-9X

11. N Jack to BNC Jack

VSWR DC- 4GHz ≤1.2

Mounting Dimension : MD43



P/N

AD-N2B25A-PF/94-94

T-Adaptors Connector matching matrix

	BNC	N	SMA	SMB	SMC	TNC
BNC	1					
N		2				
SMA			3			
SMB				4		
SMC					5	
TNC						6

How to find an adaptor

The interface pairing of an adaptor can be found in the matrix above.

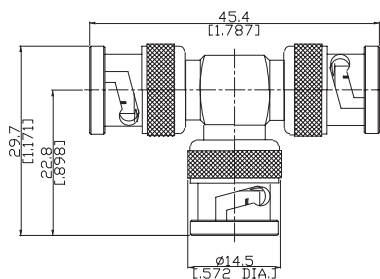
The various interface services are listed in the first column and row. The matrix number is the intercept point of two interfaces (e.g 3 for SMA to SMA). The matrix number can be found in the upper left corner of the detail adaptors information in the following pages. The adaptors are sorted by this matrix number in ascending order. Consequently all SMA to SMA adaptors have the matrix number 3 and are in immediate succession.

If there is no number in an intercept point there are no adaptors for this connector pairing available.

T-Adaptors - Within Series

1. BNC Plug to BNC Plug to BNC Plug

DC-4GHz

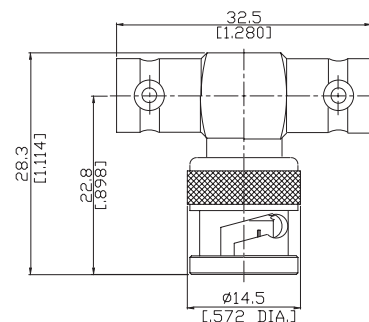


P/N

ADT-B1B1B15A/144-144

1. BNC Jack to BNC Plug to BNC Jack

DC-4GHz

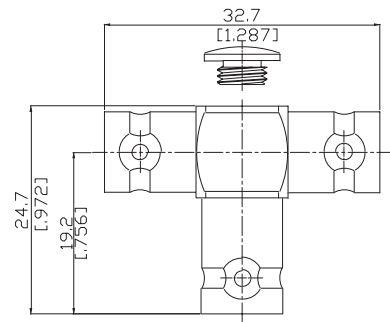


P/N

ADT-B2B1B25A/144-H4

1. BNC Jack to BNC Jack to BNC Jack

DC-4GHz

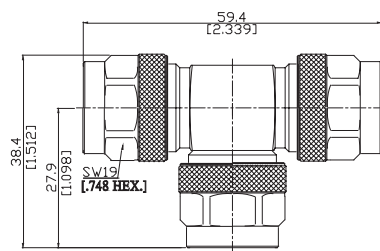


P/N

ADT-B2B2B25A/H4-H4

2. N Plug to N Plug to N Plug

DC-11GHz

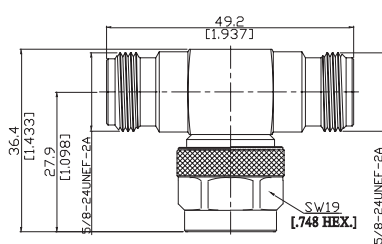


P/N

ADT-N1N1N15A/144-144

2. N Jack to N Plug to N Jack

DC-11GHz

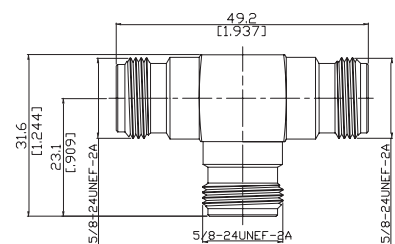


P/N

ADT-N2N1N25A/144-H4

2. N Jack to N Jack to N Jack

DC-11GHz

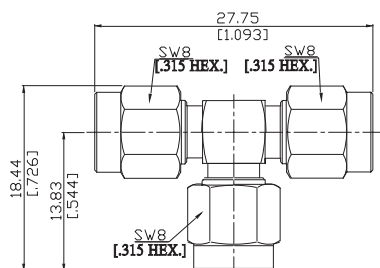


P/N

ADT-N2N2N25A/H4-H4

3. SMA Plug to SMA Plug to SMA Plug

DC-12.4GHz

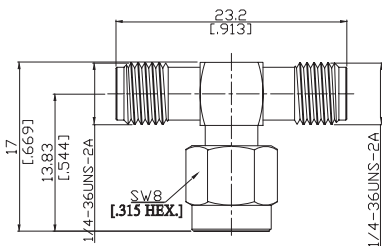


P/N

ADT-A1A1A15A/111-111

3. SMA Jack to SMA Plug to SMA Jack

DC-12.4GHz

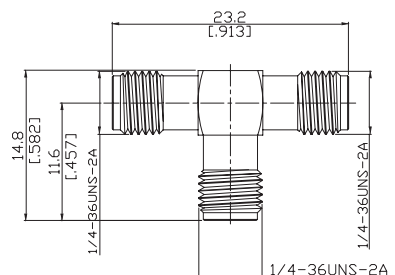


P/N

ADT-A2A1A25A/111-91

3. SMA Jack to SMA Jack to SMA Jack

DC-12.4GHz



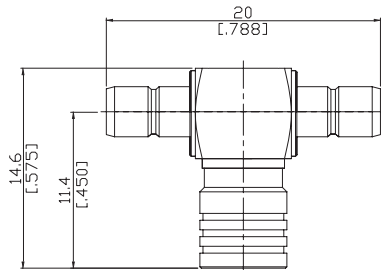
P/N

ADT-A2A2A25A/91-91

T-Adaptors - Within Series

4. SMB Jack to SMB Plug to SMB Jack

DC- 4GHz

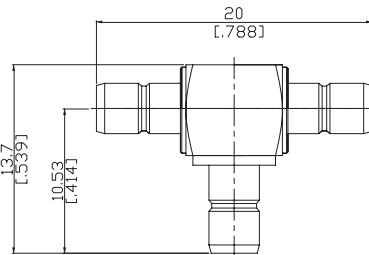


P/N

ADT-S2S1S25A/911-11

4. SMB Jack to SMB Jack to SMB Jack

DC- 4GHz

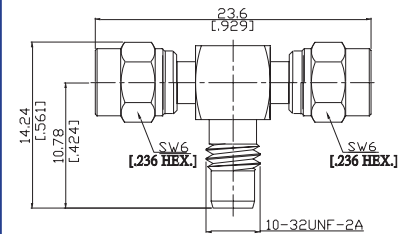


P/N

ADT-S2S2S25A/11-11

5. SMC Plug to SMC Jack to SMC Plug

DC- 6GHz

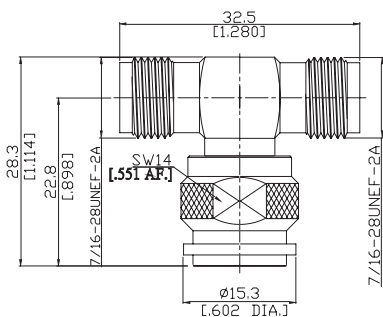


P/N

ADT-MC1MC2MC25A/911-11

6. TNC Jack to TNC Plug to TNC Jack

DC-11GHz

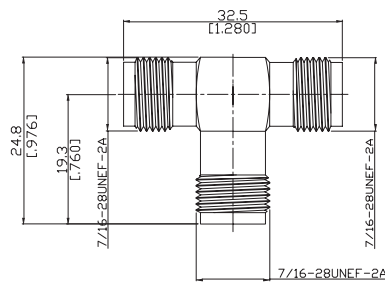


P/N

ADT-T2T1T25A/144-H4

6. TNC Jack to TNC Jack to TNC Jack

DC-11GHz



P/N

ADT-T2T2T25A/H4-H4

Components



Termination	296
Fixed attenuators	302
DC blocks	306
power dividers	310
Impedance matching pads	314



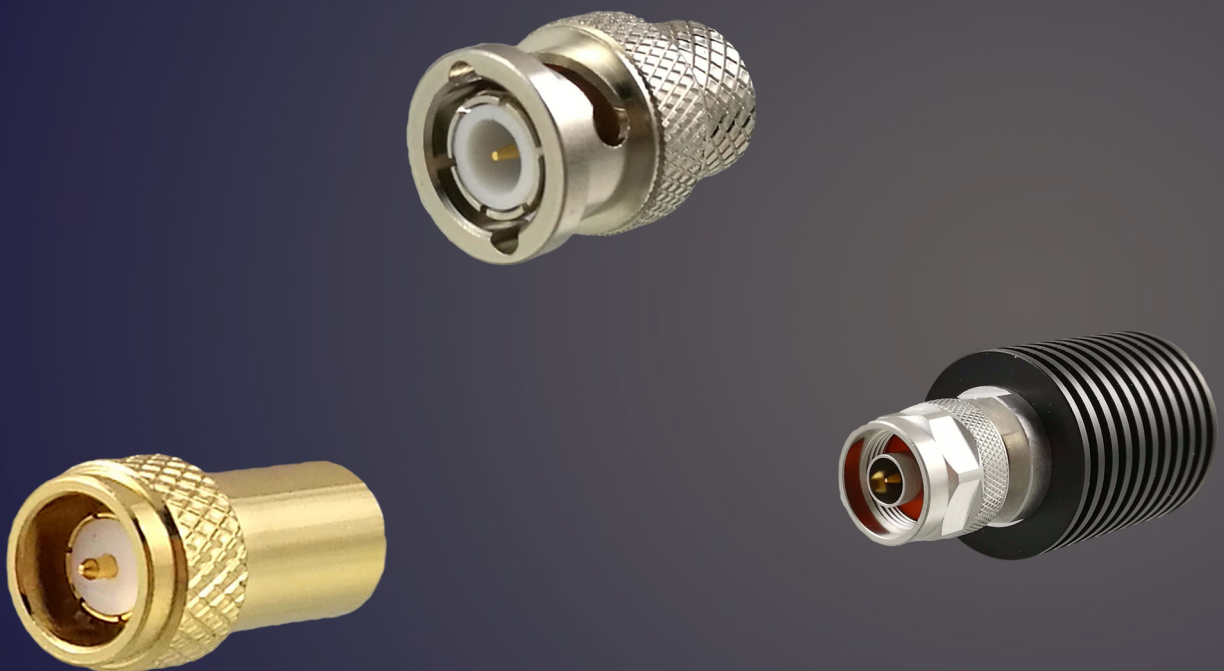
Termination

■ Product description

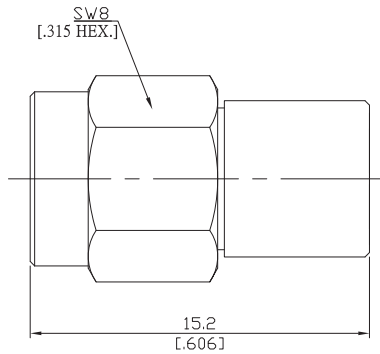
Terminators (also called RF loads or dummy loads) are applied to an open end of a transmission line, e.g. an RF port, to prevent the back-reflection of an RF signal. They are used in a large variety of test & measurement, defence and communication applications.

■ Features

- Impedance matched
- Standard or precision types
- Various bandwidth
- Low and medium power

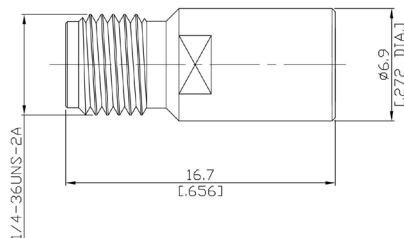


SMA Plug Termination



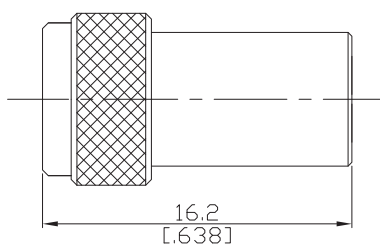
P/N	Frequency	Watts
T-A15-6G2WA/H11	6GHz	2Watt
T-A15-12.4G2WA/H11	12.4GHz	2Watt
T-A15-18G2WA/H11	18GHz	2Watt
T-A15-26.5G2WA/H11	26.5GHz	2Watt

SMA Jack Termination



P/N	Frequency	Watts
T-A25-6G2WA/H11	6GHz	2Watt
T-A25-12.4G2WA/H11	12.4GHz	2Watt
T-A25-18G2WA/H11	18GHz	2Watt
T-A25-26.5G2WA/H11	26.5GHz	2Watt

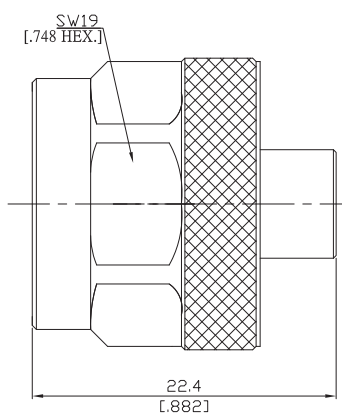
SMA Snap-On Plug Termination



P/N	Frequency	Watts
T-AQ15-6G2WA/H11	6GHz	2Watt
T-A15-12.4G2WA/H11	12.4GHz	2Watt
T-A15-18G2WA/H11	18GHz	2Watt

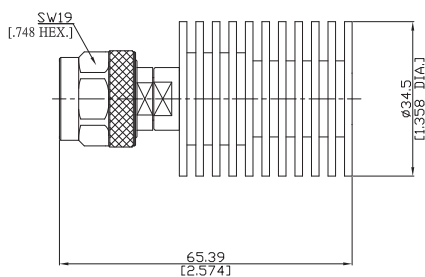
Termination series

N Plug Termination



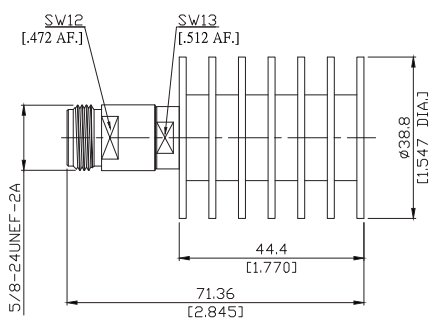
P/N	Frequency	Watts
T-N15-3G2WA/H44	3GHz	2Watt
T-N15-6G2WA/H44	6GHz	2Watt
T-N15-18G2WA/H44	18GHz	2Watt

N Plug Termination



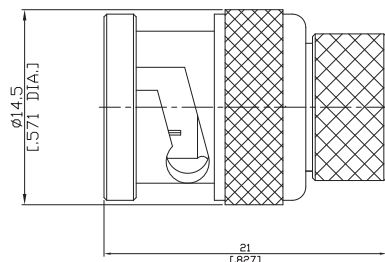
P/N	Frequency	Watts
T-N15-3G25WA/144	3GHz	25Watt
T-N15-6G25WA/144	6GHz	25Watt
T-N15-10G25WA/144	10GHz	25Watt

N Jack Termination



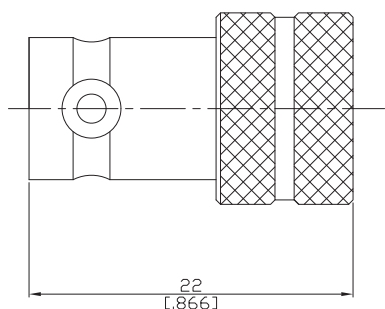
P/N	Frequency	Watts
T-N25-3G25WA/144	3GHz	25Watt
T-N25-6G25WA/144	6GHz	25Watt
T-N25-10G25WA/144	10GHz	25Watt

BNC Plug Termination



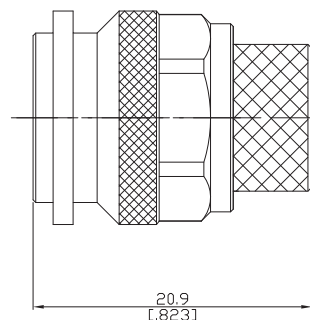
P/N	Frequency	Watts
T-B15-2G2WA/144	2GHz	2Watt
T-B15-4G2WA/144	4GHz	2Watt

BNC Jack Termination



P/N	Frequency	Watts
T-B25-2G2WA/144	2GHz	2Watt
T-B25-4G2WA/144	4GHz	2Watt

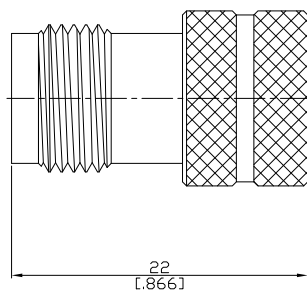
TNC Plug Termination



P/N	Frequency	Watts
T-T15-3G2WA/144	3GHz	2Watt
T-T15-6G2WA/144	6GHz	2Watt
T-T15-11G2WA/144	11GHz	2Watt

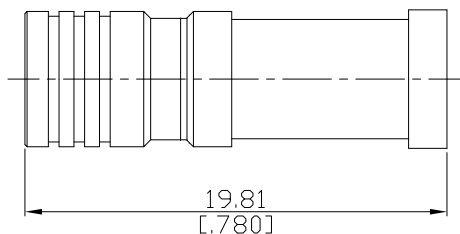
Termination series

TNC Jack Termination



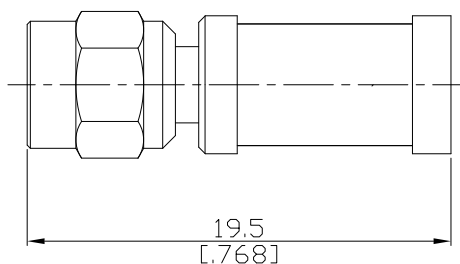
P/N	Frequency	Watts
T-T25-3G2WA/144	3GHz	2Watt
T-T25-6G2WA/144	6GHz	2Watt
T-T25-11G2WA/144	11GHz	2Watt

SMB Plug Termination



P/N	Frequency	Watts
T-S15-2G2WA/H11	2GHz	2Watt

SMC Plug Termination



P/N	Frequency	Watts
T-MC15-2G2WA/H11	2GHz	2Watt

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Fixed Attenuators

■ Product description

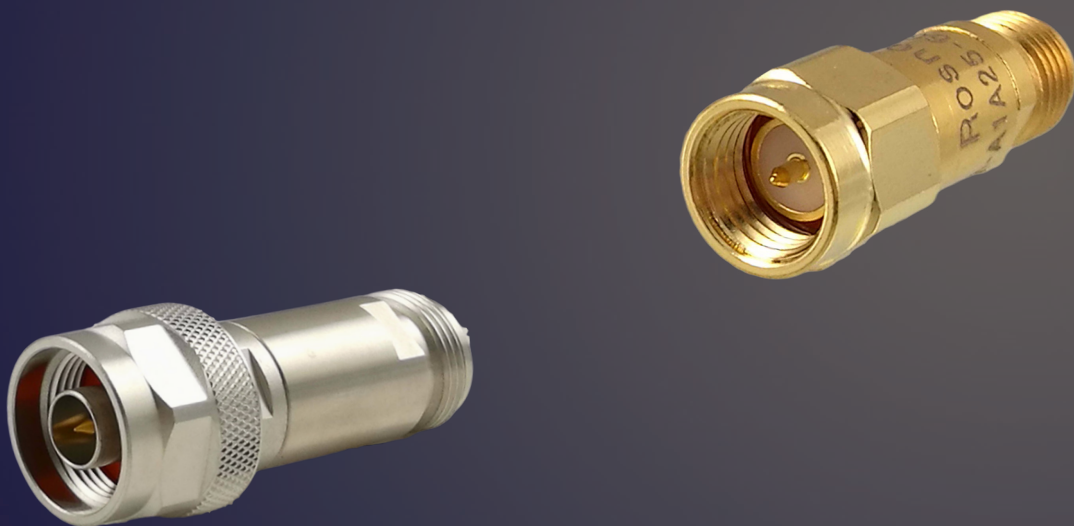
RF attenuators are used to reduce the power of a signal without causing distortion of its waveform.

They are used in many test & measurement and communication applications.

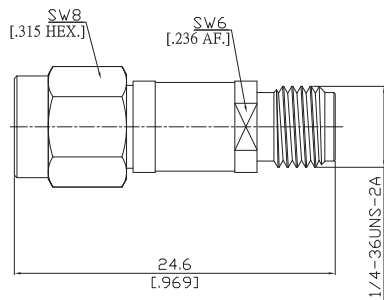
- Power adjuster between different channels or inline subsystems
- As a protection for the input of test equipment to reduce excess RF power
- To improve impedance matching between subsystems or for test instrumentation

■ Features

- 50 Ω or 75 Ω impedance
- Fixed attenuation level from 0 dB up to 40 dB
- Various bandwidth to improve the impedance matching between subsystems of its waveform
- Wide range of interfaces
- Made to female connectorisation

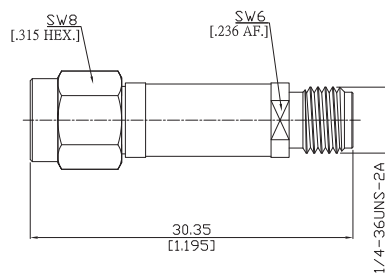


SMA Plug to SMA Jack Fixed Attenuator



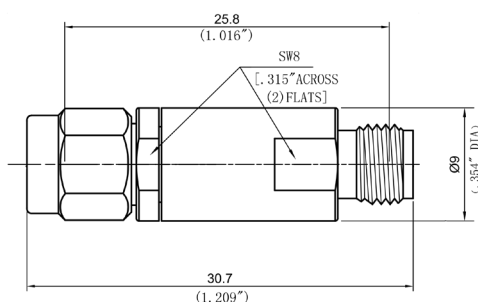
P/N	Frequency	Watts	dB(-)
FA-A1A25A-3G2W- /911-91	3GHz	2Watt	01-30
FA-A1A25A-6G2W- /911-91	6GHz	2Watt	01-30
FA-A1A25A-12.4G2W- /911-91	12.4GHz	2Watt	01-30

SMA Plug to SMA Jack Fixed Attenuator



P/N	Frequency	Watts	dB(-)
FA-A1A25A-3G2W- /911-91	3GHz	2Watt	40-60
FA-A1A25A-6G2W- /911-91	6GHz	2Watt	40-60
FA-A1A25A-12.4G2W- /911-91	12.4GHz	2Watt	40-60

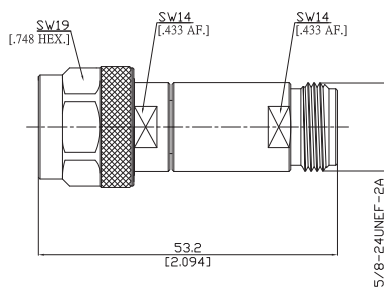
SMA Plug to SMA Jack Fixed Attenuator



P/N	Frequency	Watts	dB(-)
FA-A1A25A-18G2W- /9XX-9X	18GHz	2Watt	01-30

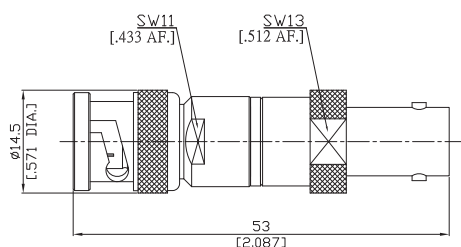
Fixed Attenuator Series

N Plug to N Jack Fixed Attenuator



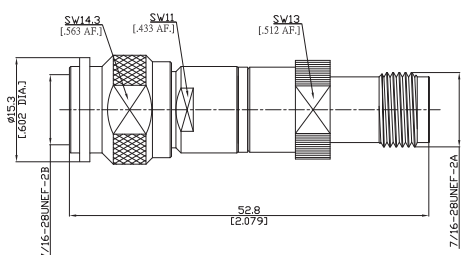
P/N	Frequency	Watts	dB(-)
FA-N1N25A-3G2W- /944-94	3GHz	2Watt	01-30
FA-N1N25A-6G2W- /944-94	6GHz	2Watt	01-30
FA-N1N25A-12.4G2W- /944-94	12.4GHz	2Watt	01-30

BNC Plug to BNC Jack Fixed Attenuator



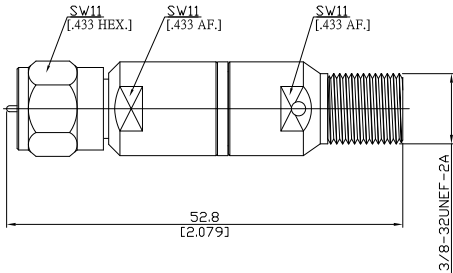
P/N	Frequency	Watts	dB(-)
FA-B1B25A-2G2W- /944-94	2GHz	2Watt	01-30
FA-B1B25A-4G2W- /944-94	4GHz	2Watt	01-30

TNC Plug to TNC Jack Fixed Attenuator



P/N	Frequency	Watts	dB(-)
FA-T1T25A-3G2W- /944-94	3GHz	2Watt	01-30
FA-T1T25A-6G2W- /944-94	6GHz	2Watt	01-30
FA-T1T25A-11G2W- /944-94	11GHz	2Watt	01-30

F Plug to F Jack Fixed Attenuator



P/N	Frequency	Watts	dB(-)
FA-F1F17A-1G2W- -/H44-H4	1GHz	2Watt	01-30

DC Blocks

■ Product description

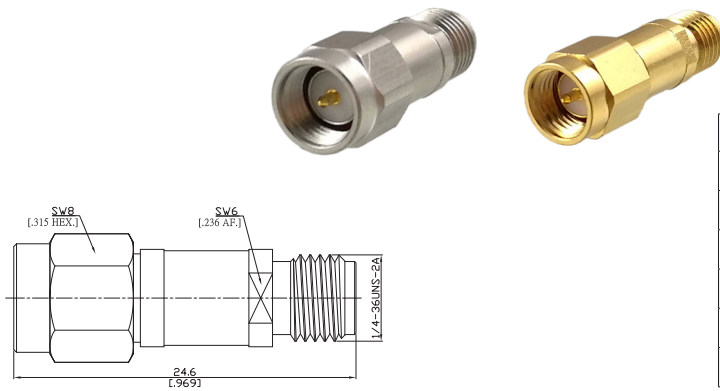
A DC block separates or blocks DC voltage (galvanic isolation) and allows passage of RF frequency along a coaxial transmission line.

■ Features

- Broadband
- RF signal passes with negligible loss
- Blocking of DC
- Galvanic isolation of centre conductor

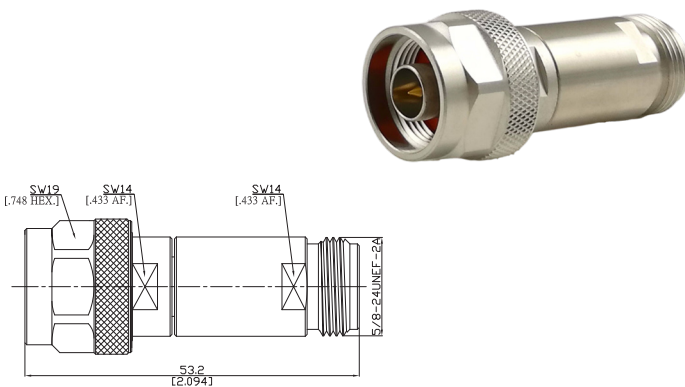


SMA Plug to SMA Jack



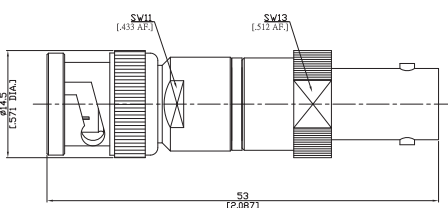
P/N	Frequency	Volt
DB-A1A25A-6G100V/911-91	6GHz	100V
DB-A1A25A-6G100V/9XX-9X	6GHz	100V
DB-A1A25A-18G100V/911-91	18GHz	100V
DB-A1A25A-18G100V/9XX-9X	18GHz	100V
DB-A1A25A-26.5G100V/911-91	26.5GHz	100V
DB-A1A25A-26.5G100V/9XX-9X	26.5GHz	100V

N Plug to N Jack



P/N	Frequency	Volt
DB-N1N25A-3G50V/H44-H4	3GHz	50V
DB-N1N25A-6G50V/H44-H4	6GHz	50V
DB-N1N25A-12.4G50V/H44-H4	12.4GHz	50V
DB-N1N25A-3G100V/H44-H4	3GHz	100V
DB-N1N25A-6G100V/H44-H4	6GHz	100V
DB-N1N25A-12.4G100V/H44-H4	12.4GHz	100V

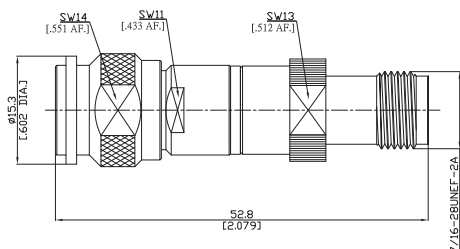
BNC Plug to BNC Jack



P/N	Frequency	Volt
DB-B1B25A-2G50V/H44-H4	2GHz	50V
DB-B1B25A-4G50V/H44-H4	4GHz	50V
DB-B1B25A-2G100V/H44-H4	2GHz	100V
DB-B1B25A-4G100V/H44-H4	4GHz	100V

DC Block Series

TNC Plug to TNC Jack



P/N	Frequency	Volt
DB-T1T25A-3G50V/H44-H4	3GHz	50V
DB-T1T25A-3G100V/H44-H4	3GHz	100V

[illegible]

Power Dividers

■ Product description

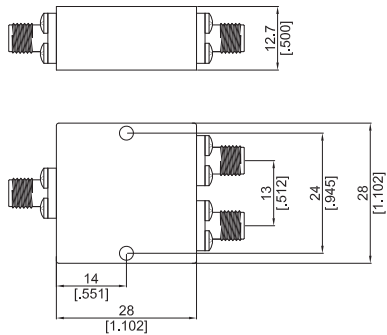
Power dividers are designed to split a RF signal equally into more output signals.

Features

- • Broadband down to DC
- Very low return loss
- Cost effective solution to tap off a signal
- Very compact



SMA 2 ways

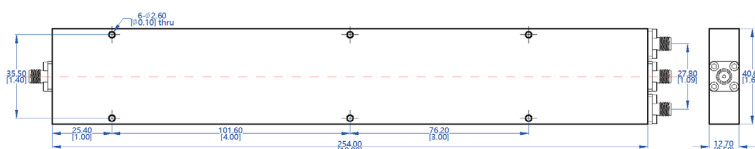


P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD2-A2-1-2G_A	1	2	1.25	1.25	0.35	20	0.4	4
PD2-A2-0.5-6G_A	0.5	6	1.35	1.2	1.0	20	0.4	3
PD2-A2-2-8G_A	2	8	1.3	1.2	0.6	20	0.2	3
PD2-A2-8-12.4G_A	8	12.4	1.35	1.3	0.5	20	0.4	6
PD2-A2-0.5-18G_A	0.5	18	1.4	1.4	1.7	18	0.6	6
PD2-A2-0.3-26.5G_A	0.3	26.5	1.6	1.6	3.8	16	0.8	10

N 2 ways

P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD2-N2-2.4-2.5G_N	2.4	2.5	1.25	1.25	0.35	25	0.2	4
PD2-N2-5.5-6G_N	5.5	6	1.25	1.25	0.5	25	0.2	3

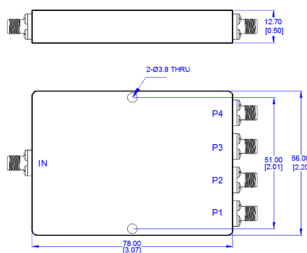
SMA 3 ways



P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD3-A2-0.5-6G_A	0.5	6	1.4	1.35	1.8	20	1.4	16
PD3-A2-0.5-18G_A	0.5	18	1.45	1.45	2.1	18	1	10
PD3-A2-1-26.5G_A	1	26.5	1.7	1.7	2.1	16	1.6	14

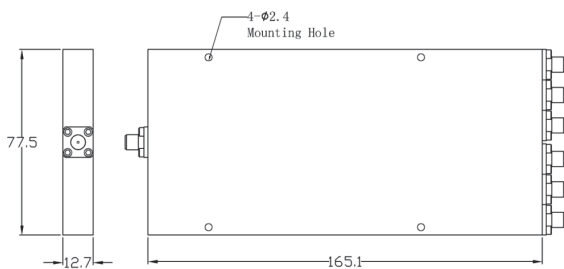
Power Divider Series

SMA 4 ways



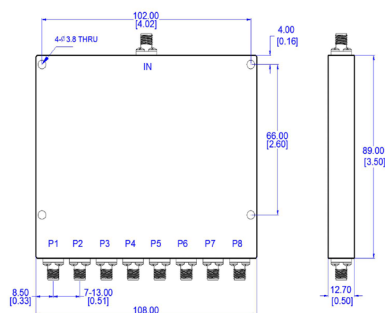
P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD4-A2-0.5-6G_A	0.5	6	1.35	1.3	2	19	0.6	8
PD4-A2-4-8G_A	4	8	1.45	1.35	0.9	20	0.6	6
PD4-A2-1-18G_A	1	18	1.5	1.5	2.5	17	0.8	10
PD4-A2-1-26.5G_A	1	26.5	1.6	1.6	3.2	16	1	12

SMA 6 ways



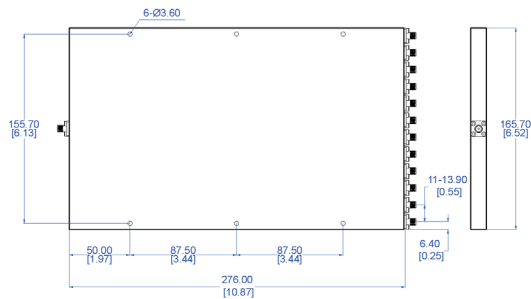
P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD6-A2-1-10G_A	1	10	1.6	1.6	2.5	18	1.2	12
PD6-A2-0.8-18G_A	0.8	18	1.7	1.4	4	16	1.6	16

SMA 8 ways



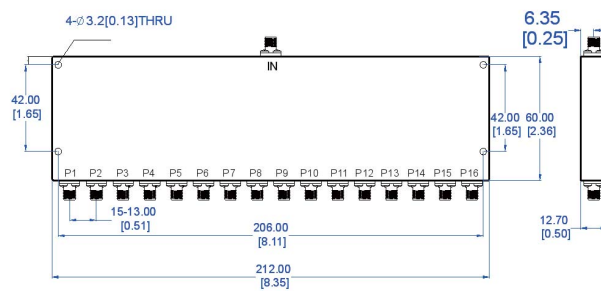
P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD8-A2-0.5-8G_A	0.5	8	1.6	1.5	3.5	16	0.8	8
PD8-A2-0.5-18G_A	0.5	18	1.6	1.6	7	15	0.8	10
PD8-A2-6-26.5G_A	6	26.5	1.6	1.6	2.9	16	1.2	12

SMA 12 ways



P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD12-A2-2-6G_A	2	6	1.6	1.3	1.8	18	1.2	20
PD12-A2-0.5-18G_A	0.5	18	1.6	1.6	6.5	16	1.4	20

SMA 16 ways



P/N	Freq.(Min) GHz	Freq.(Max) GHz	VSWR Input.	VSWR Output.	Insertion Loss(dB)	Isolation (dB)	Amp. Bal. (deg)	Phase Bal. (deg)
PD16-A2-2-3.5G_A	2	3.5	1.45	1.25	1.5	18	0.8	12
PD16-A2-6-18G_A	6	18	1.6	1.5	2.8	17	1.2	16
PD16-A2-18-26.5G_A	18	26.5	1.7	1.7	4.2	16	1.2	12

Impedance matching pads

■ Product description

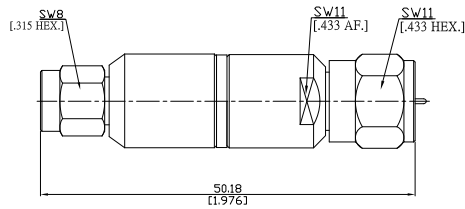
Matching pads are designed to match 50 Ω with 75 Ω impedance of two different transmission lines while preserving signal integrity.

■ Features

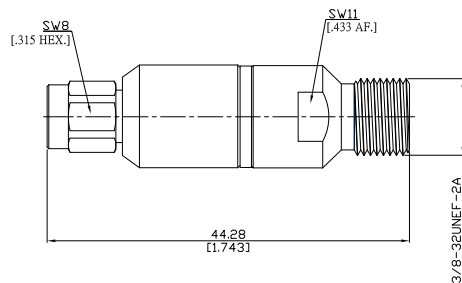
- Low insertion loss
- High repeatability
- Low return loss



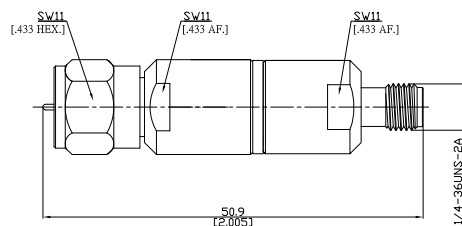
SMA to F series



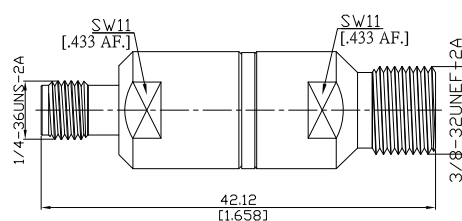
P/N	Frequency
MP-A15F17A-2G/H44-H44	2GHz



P/N	Frequency
MP-A15F27A-2G/H44-H4	2GHz



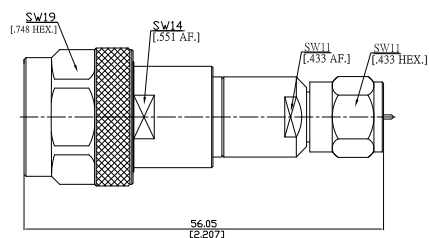
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MP-F17A25A-2G /H44-H4	2GHz



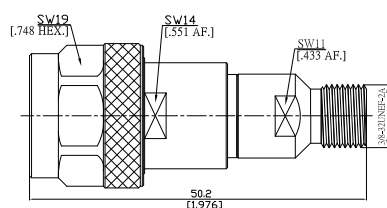
P/N	Frequency
MP-A25F27A-2G/H4-H4	2GHz

Matching Pads Series

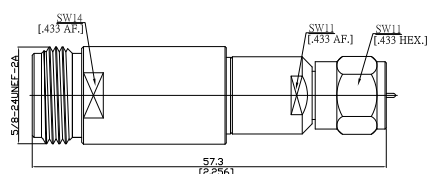
N to F series



P/N	Frequency
MP-N15F17A-2G/H44-H44	2GHz

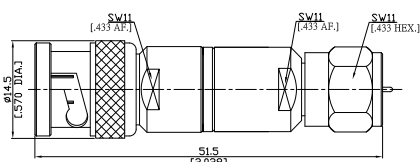


P/N	Frequency
MP-N25F17A-2G/H4-H44	2GHz

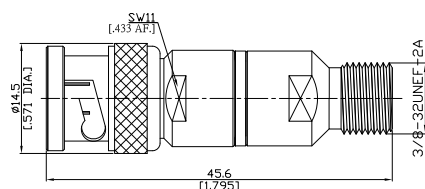


P/N	Frequency
MP-N15F27A-2G/H44-H4	2GHz

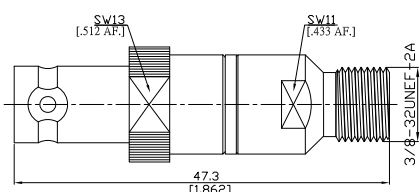
BNC to F series



P/N	Frequency
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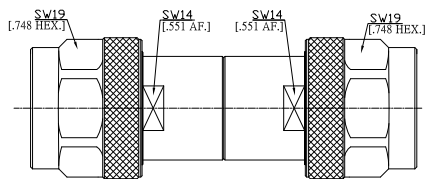
P/N	Frequency
MP-B15F27A-2G/H44-H4	2GHz



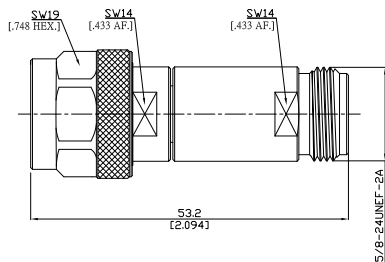
P/N	Frequency
MP-B25F27A-2G/H4-H4	2GHz

Matching Pads Series

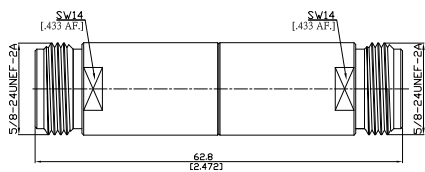
N to N series



P/N	Frequency
MP-N15N17A-2G/144-144	2GHz

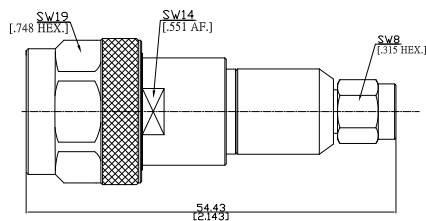


P/N	Frequency
MP-N15N27A-2G/144-H4	2GHz
MP-N17N25A-2G/144-H4	2GHz

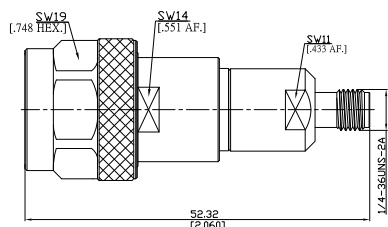


P/N	Frequency
MP-N25N27A-2G/H4-H4	2GHz

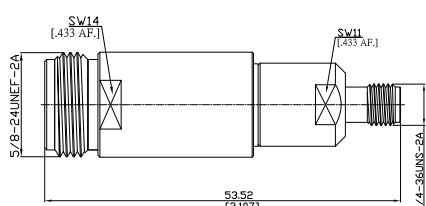
N to SMA series



P/N	Frequency
MP-N17A15A-2G/H44-H44	2GHz



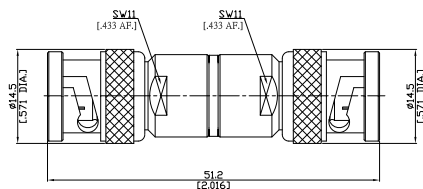
P/N	Frequency
MP-N17A25A-2G/H44-H4	2GHz



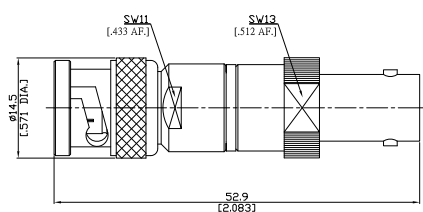
P/N	Frequency
MP-N27A25A-2G/H4-H4	2GHz

Matching Pads Series

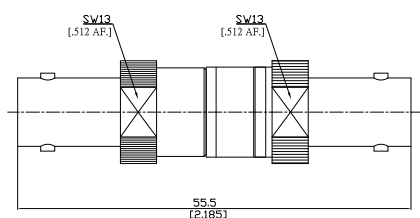
BNC to BNC series



P/N	Frequency
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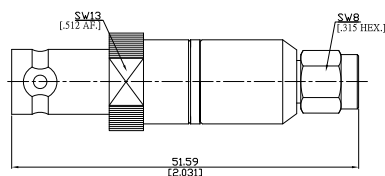


P/N	Frequency
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MP-B17B25A-2G/H44-H4	2GHz

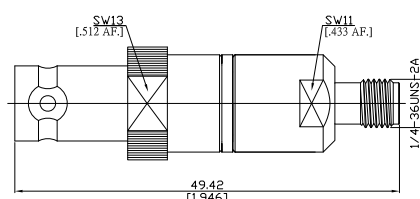


P/N	Frequency
MP-B25B27A-2G/H4-H4	2GHz

SMA to BNC series



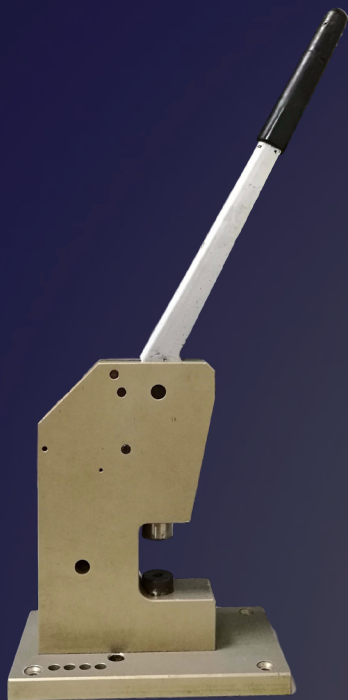
P/N	Frequency
MP-A15B27A-2G/H44-H4	2GHz



P/N	Frequency
MP-A25B27A-2G/H4-H4	2GHz

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TOOLS & ACCESSORIES



Tools & Accessories

Crimping tools and inserts for flexible cables	322
Soldering tools for Semi-rigid cables	324
Torque wrench	327
Wrench and plastic dust caps	329

Crimping tools and inserts for flexible cables

Interchangeable handheld crimping tool



P/N	Description
CT_R-H0-1	Crimping tool without insert

Interchangeable table press crimping tool



P/N	Description
CT_R-TB0-1	Table press crimping tool without insert

Wooden tool box



P/N	Description
CT_R-WTB0-1	Empty wooden tool box

Crimping tools and inserts for flexible cables

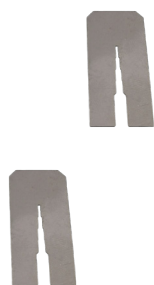
Interchangeable inserts use for handheld and table press crimping tools



P/N	CI No.	Hexagonal section (for outer contact)	Square section (for centre contact)
CT_R-CI-2.7-0.7A	N/A	2.70 mm / 0.106 inch	0.70 mm / 0.028 inch
CT_R-CI-3.25A	CI-R100A	3.25 mm / 0.128 inch	-
CT_R-CI-3.3-0.54A	N/A	3.30 mm / 0.130 inch	0.54 mm / 0.021 inch
CT_R-CI-3.3-0.7-1.6A	CI-G316A	3.30 mm / 0.130 inch	0.70 mm / 0.028 inch 1.60 mm / 0.063 inch
CT_R-CI-4.95-0.7A	N/A	4.95 mm / 0.195 inch	0.70 mm / 0.028 inch
CT_R-CI-5.5-1.2A	N/A	5.50 mm / 0.217 inch	1.20 mm / 0.047 inch
CT_R-CI-5.5-1.6A	CI-G58A	5.50 mm / 0.217 inch	1.60 mm / 0.063 inch
CT_R-CI-6.5-1.2A	N/A	6.50 mm / 0.256 inch	1.20 mm / 0.047 inch
CT_R-CI-6.5-1.6A	CI-G59A	6.50 mm / 0.256 inch	1.60 mm / 0.063 inch
CT_R-CI-8.0-1.2A	N/A	8.00 mm / 0.315 inch	1.20 mm / 0.047 inch
CT_R-CI-8.0-1.6A	N/A	8.00 mm / 0.315 inch	1.60 mm / 0.063 inch
CT_R-CI-8.65-2.4A	N/A	8.65 mm / 0.341 inch	2.40 mm / 0.094 inch
CT_R-CI-9.8-1.6A	N/A	9.80 mm / 0.386 inch	1.60 mm / 0.063 inch
CT_R-CI-10.7-1.6A	N/A	10.70 mm / 0.421 inch	1.60 mm / 0.063 inch
CT_R-CI-10.7-2.4A	CI-G214A	10.70 mm / 0.421 inch	2.40 mm / 0.094 inch
CT_R-CI-10.7-2.5A	N/A	10.70 mm / 0.421 inch	2.50 mm / 0.098 inch
CT_R-CI-10.7-3.3A	N/A	10.70 mm / 0.421 inch	3.30 mm / 0.130 inch
CT_R-CI-10.9A	CI-R400A	10.90 mm / .429 inch	-
CT_R-CI-13.51A	CI-R500A	13.51 mm / 0.532 inch	-
CT_R-CI-14.5A	N/A	14.50 mm / 0.571 inch	-
CT_R-CI-15.49A	CI-R600A	15.49 mm / 0.610 inch	-

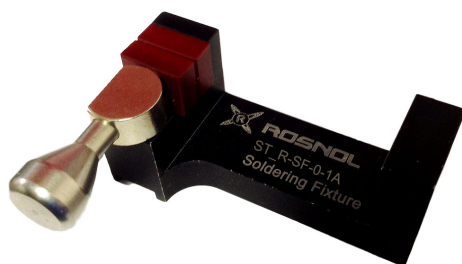
Soldering tools for Semi-rigid cables

Soldering gauge



P/N	Description
ST_R-SG-0.1A	Soldering gauge 0.1 mm / 0.004 inch
ST_R-SG-0.2A	Soldering gauge 0.2 mm / 0.008 inch
ST_R-SG-0.25A	Soldering gauge 0.25 mm / 0.010 inch
ST_R-SG-0.3A	Soldering gauge 0.3 mm / 0.012 inch
ST_R-SG-0.4A	Soldering gauge 0.4 mm / 0.016 inch
ST_R-SG-0.5A	Soldering gauge 0.5 mm / 0.020 inch

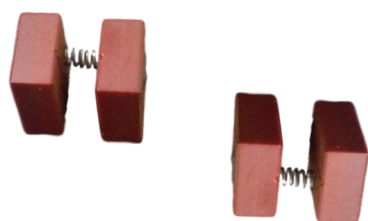
Soldering fixture



P/N	Description
ST_R-SF-0-1A	Soldering fixture

Soldering tools for Semi-rigid cables

Soldering inserts



P/N	Description
ST_R-SI-0034A	Soldering insert for semi-rigid .034" cable
ST_R-SI-0047A	Soldering insert for semi-rigid .047" cable
ST_R-SI-0085A	Soldering insert for semi-rigid .085" cable
ST_R-SI-0141A	Soldering insert for semi-rigid .141" cable
ST_R-SI-0250A	Soldering insert for semi-rigid .250" cable
ST_R-SI-EF405A	Soldering insert for SS405 flexible cable
ST_R-SI-EF402A	Soldering insert for SS402 flexible cable

Locator tool



Fig. 1



Fig. 2



Fig. 3

P/N	Description	Fig.
ST_R-LT-0-1A	locator tool for SMA plugs without pin	1
ST_R-LT-0-2A	locator tool for SMA jacks (contact and insulator)	2
ST_R-LT-1-1A	locator tool for SMA plugs (contact and insulator)	3

Soldering tools for Semi-rigid cables

Chamfer tool



P/N	Description
ST_R-CT-0-1A	Chamfer tool for centre conductor of Semi-rigid cable

Dielectric insertion tool



Fig. 1



Fig. 2

P/N	Description	Fig.
ST_R-DIT-0-1A	Dielectric insertion tool for SMA jacks	1
ST_R-DIT-0-2A	Dielectric insertion tool for SMA plugs	2

Torque wrench

Precision torque wrench



P/N	Suitable series	Torque	Opening	Handle
RN-RTW-PC-6-4	RPC1.0	0.5 N.m / 4 lb-in	6.0 mm / 0.236 inch	Black
RN-RTW-PC-8-5	SMA brass outer conductor	0.56 N.m / 5 lb-in	8.0 mm / 0.315 inch	Yellow
RN-RTW-PC-8-8	SMA, RPC3.5, RPC2.92, RPC2.4 and RPC1.85	0.9 N.m / 8 lb-in	8.0 mm / 0.315 inch	Red

Torque Wrench Screwdriver



P/N	Suitable series	Torque	Opening
RN-RTW-SD-8-8	SMA, RPC3.5, RPC2.92, RPC2.4 and RPC1.85	0.9 N.m / 8 lb-in	8.0 mm / 0.315 inch

Torque wrench

Economic torque wrench



P/N	Suitable series	Torque	Opening	Handle
RN-RTW-ECO-8-5	SMA brass outer conductor	0.56 N.m / 5 lb-in	8.0 mm / 0.315 inch	Yellow
RN-RTW-ECO-8-8	SMA, RPC3.5, RPC2.92, RPC2.4 and RPC1.85	0.9 N.m / 8 lb-in	8.0 mm / 0.315 inch	Red
RN-RTW-ECO-19-12	N, Precision N, RPC7	1.36 N.m / 12 lb-in	19.0 mm / 0.748 inch	Green
RN-RTW-ECO-14-6.1	TNC brass outer conductor	0.69 N.m / 6.1 lb-in	14.0 mm / 0.551 inch	Blue
RN-RTW-ECO-14-13	TNCA	1.47 N.m / 13 lb-in	14.0 mm / 0.551 inch	Blue
RN-RTW-ECO-6.35-5	SSMA brass outer conductor	0.56 N.m / 5 lb-in	6.35 mm / 0.250 inch	Black
RN-RTW-ECO-6.35-8	SSMA stainless steel outer conductor	0.9 N.m / 8 lb-in	6.35 mm / 0.250 inch	Black
RN-RTW-ECO-6.35-3.1	SMC	0.35 N.m / 3.1 lb-in	6.35 mm / 0.250 inch	Black
RN-RTW-ECO-32-221	7-16	24.97 N.m / 221 lb-in	32.0 mm / 1.260 inch	Brown
RN-RTW-ECO-22-90	4.1-9.5	10.17 N.m / 90 lb-in	22.0 mm / 0.866 inch	Silver
RN-RTW-ECO-22-44.3	4.3-10	5 N.m / 44.3 lb-in	22.0 mm / 0.866 inch	Silver

Wrench and plastic dust caps

Wrench



P/N	Opening
OEW-5.5-5.5A	5.5 mm / 0.217 inch 5.5 mm / 0.217 inch
OEW-6.6A	6.0 mm / 0.236 inch 6.0 mm / 0.236 inch
OEW-7.7A	7.0 mm / 0.276 inch 7.0 mm / 0.276 inch
OEW-6.35-9.53A	6.35 mm / 0.250 inch 9.53 mm / 0.375 inch
OEW-8-9A	8.0 mm / 0.315 inch 9.0 mm / 0.354 inch
OEW-11-13A	11.0 mm / 0.433 inch 13.0 mm / 0.512 inch
OEW-14-16A	14.0 mm / 0.551 inch 16.0 mm / 0.630 inch

Plastic dust caps

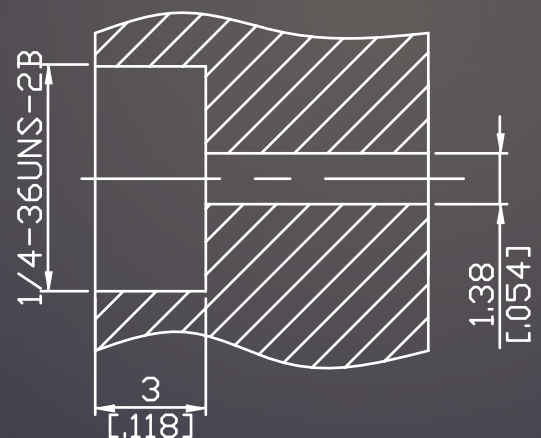
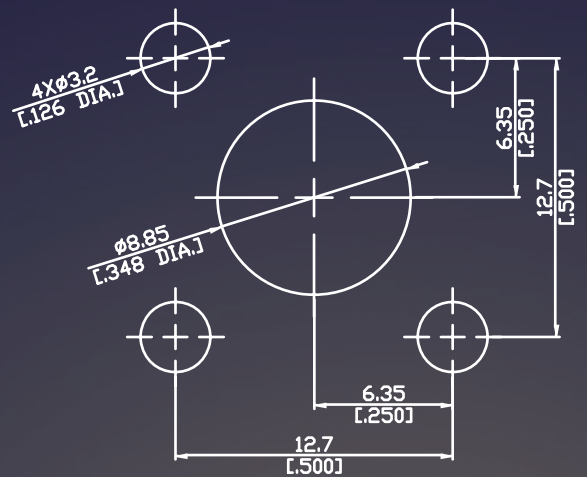
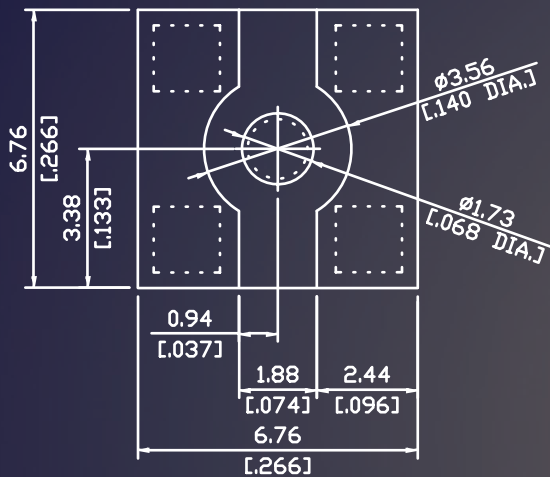


P/N	Suitable series	Inside diameter	Reference length	Color
PDC-SMA-8-12A	SMA, RPC3.5, RPC2.92, RPC2.4 and RPC1.85 for jacks	Ø 8 mm / 0.315 inch	12 mm / 0.472 inch	Black
PDC-SMA-6-12A	SMA, RPC3.5, RPC2.92, RPC2.4 and RPC1.85 for plugs	Ø 6 mm / 0.236 inch	12 mm / 0.472 inch	Black
PDC-BNC-14-18.5A	BNC for plugs	Ø 14 mm / 0.551 inch	18.5 mm / 0.728 inch	Black
PDC-N-18-24A	N, Precision N for plugs	Ø 18 mm / 0.709 inch	24 mm / 0.945 inch	Black
PDC-N-16-20A	N, Precision N for jacks	Ø 16 mm / 0.630 inch	20 mm / 0.787 inch	Black

Additional Notes

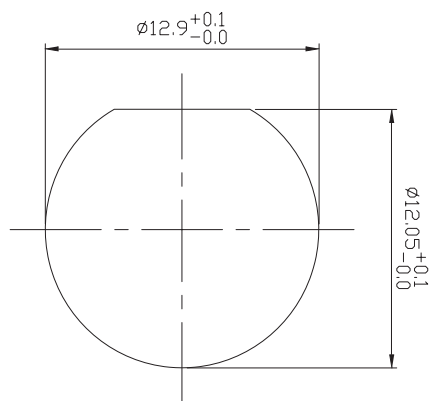
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MOUNTING DIMENSION

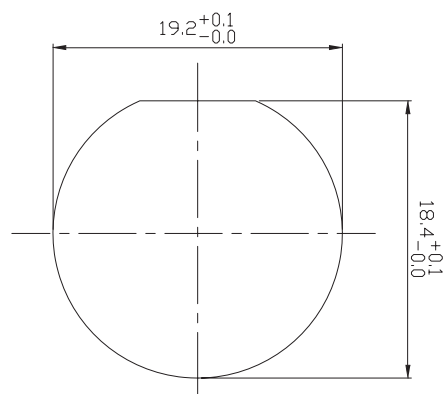


Mounting Dimension

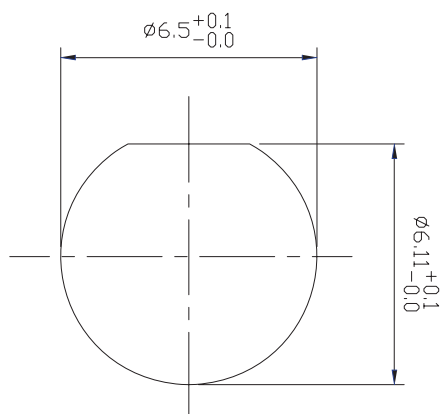
MD1



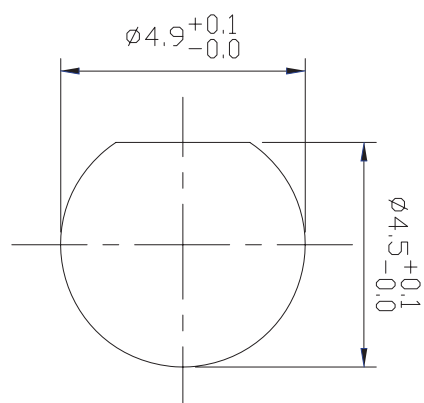
MD2



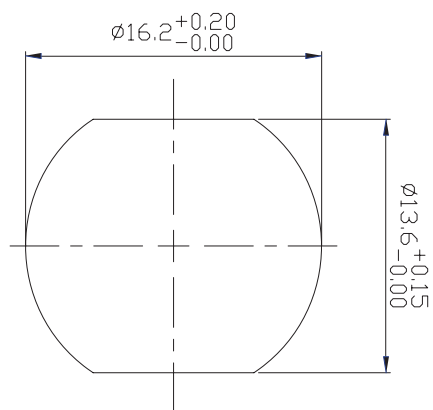
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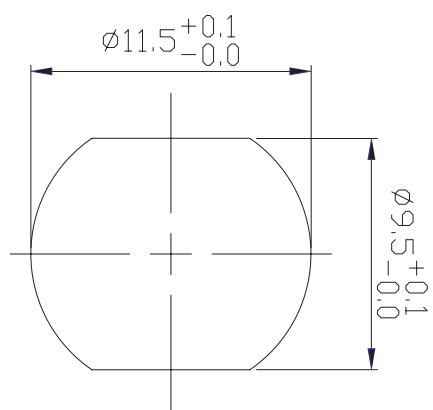
MD4



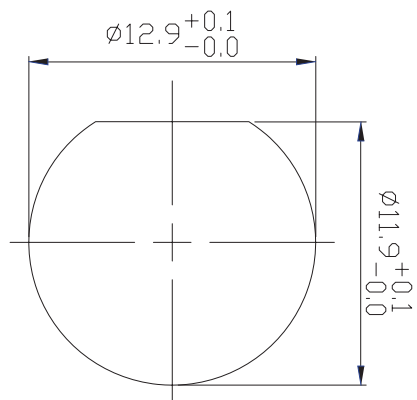
MD5



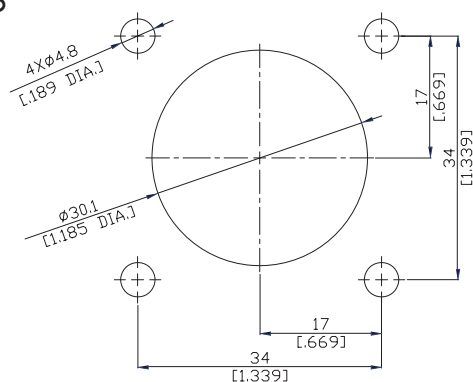
MD6



MD7

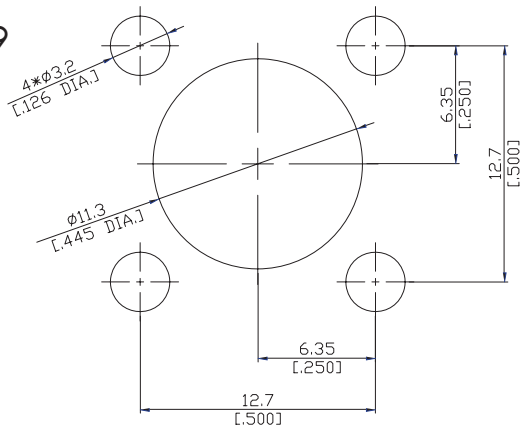


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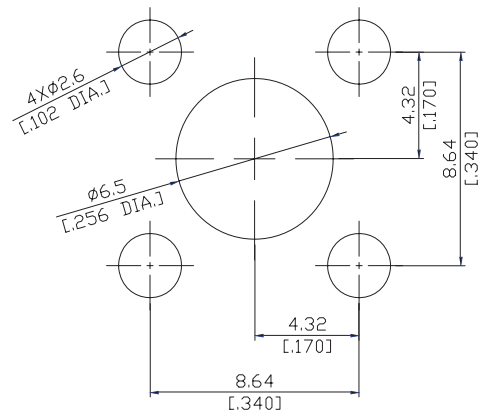


Mounting Dimension

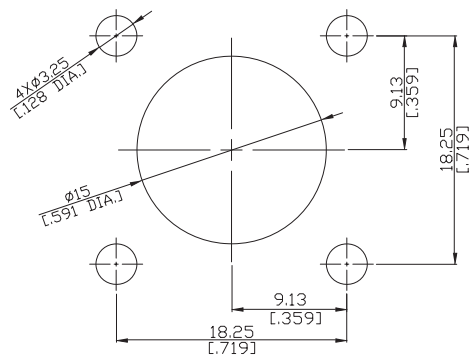
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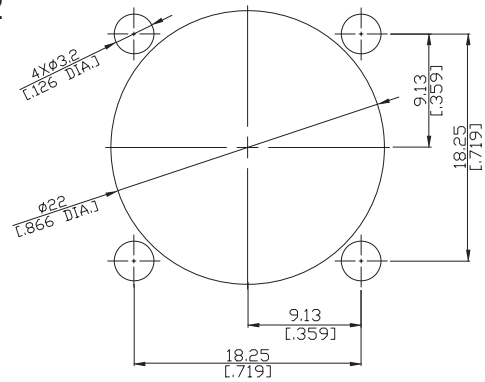
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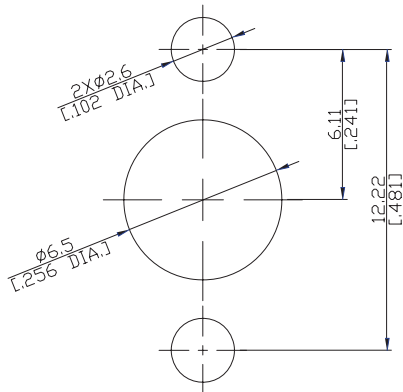
MD11



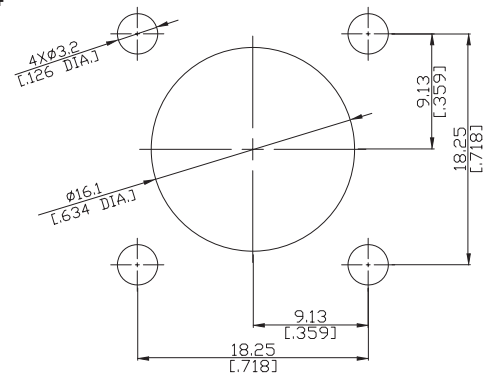
MD12



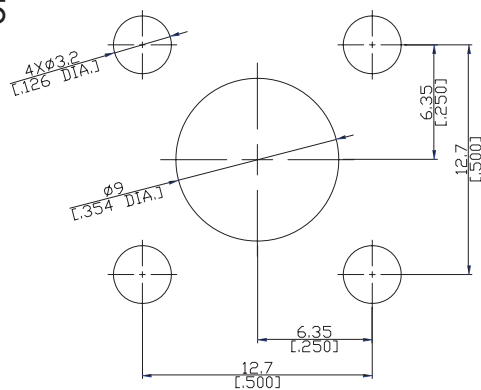
MD13



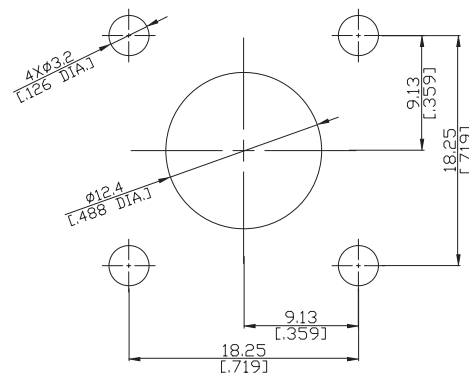
MD14



MD15

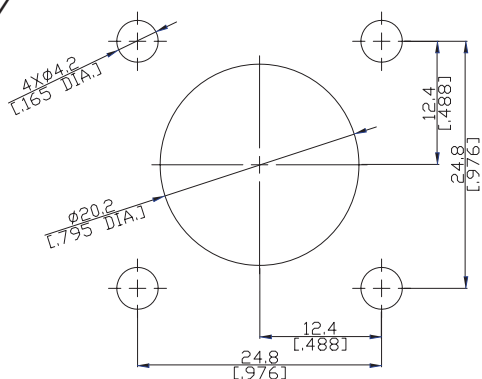


MD16

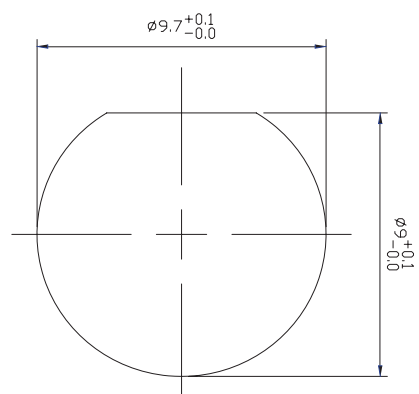


Mounting Dimension

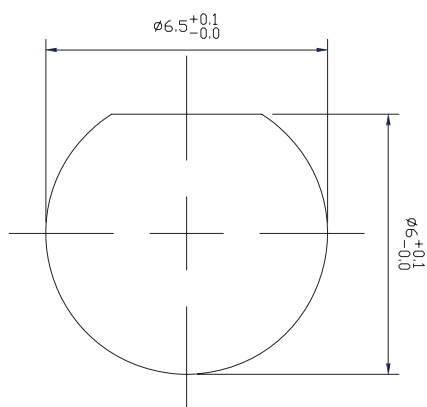
MD17



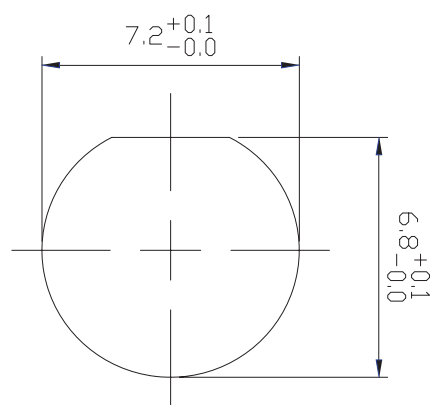
MD18



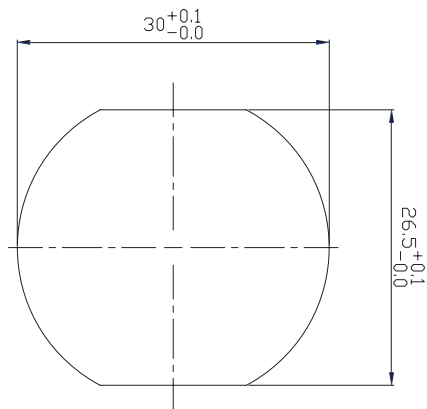
MD19



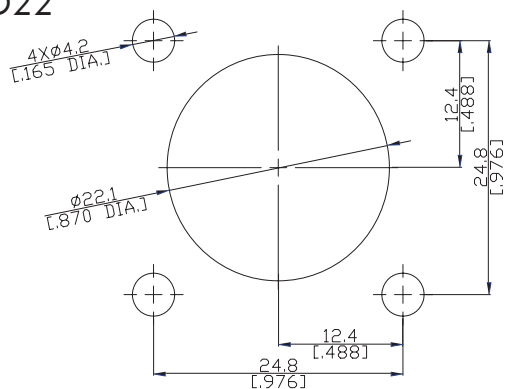
MD20



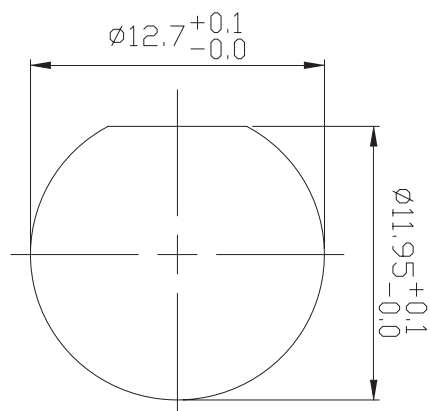
MD21



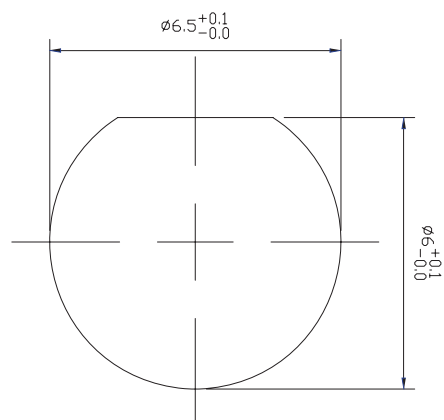
MD22



MD23

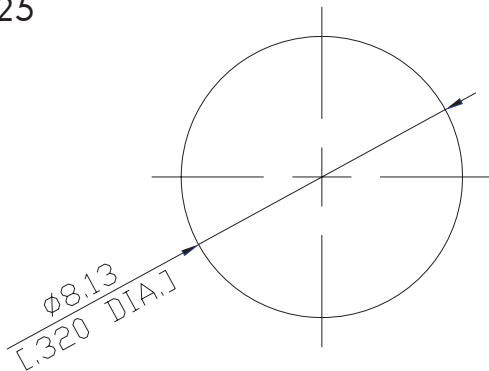


MD24

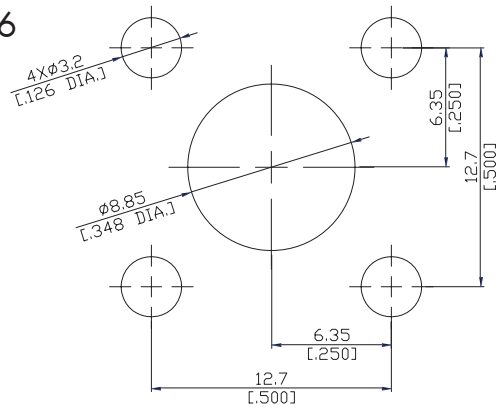


Mounting Dimension

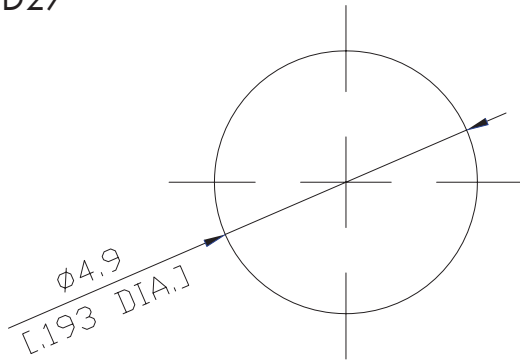
MD25



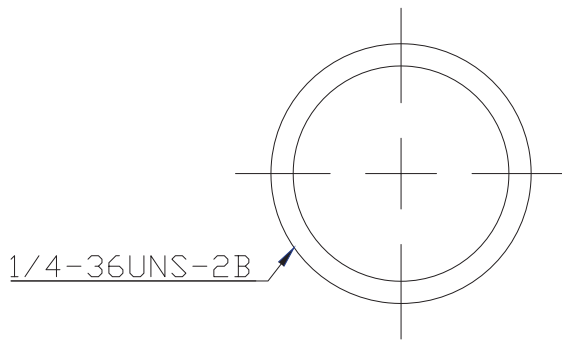
MD26



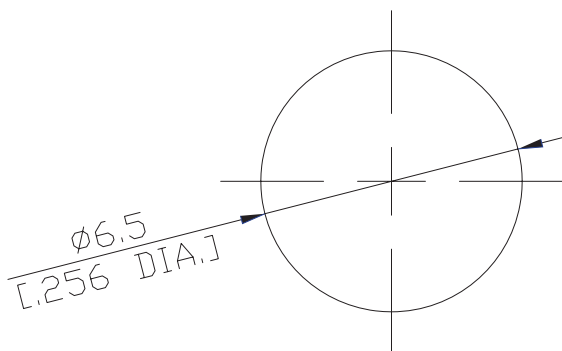
MD27



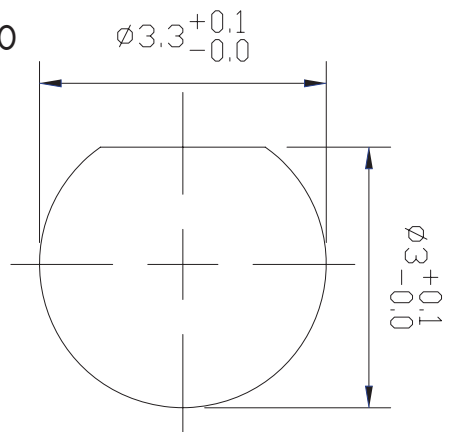
MD28



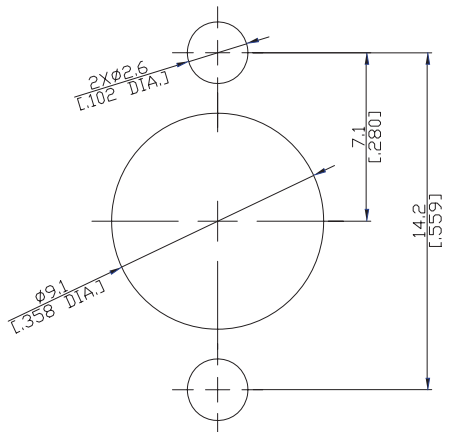
MD29



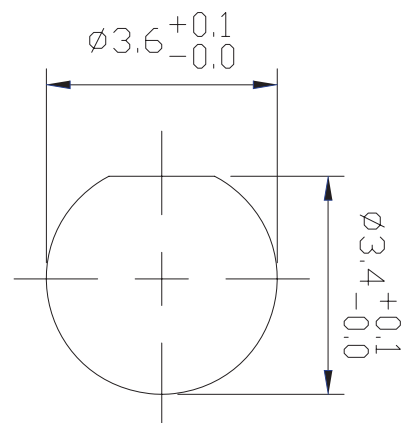
MD30



MD31

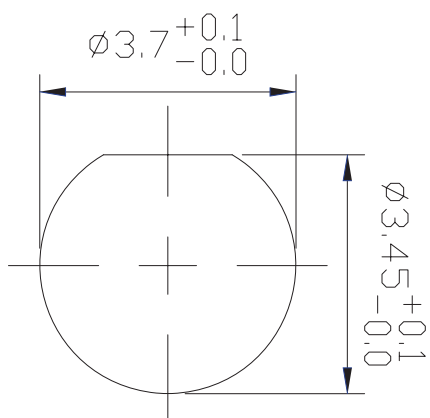


MD32

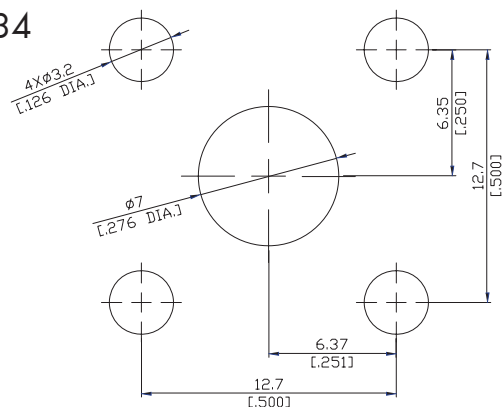


Mounting Dimension

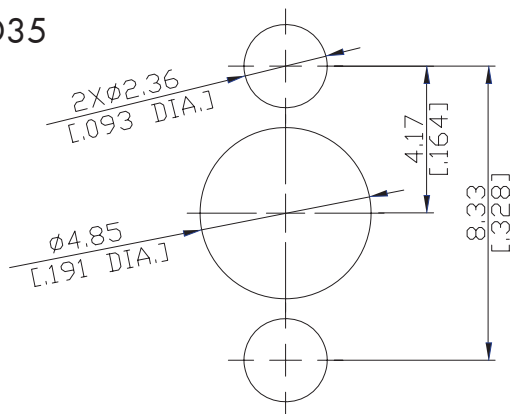
MD33



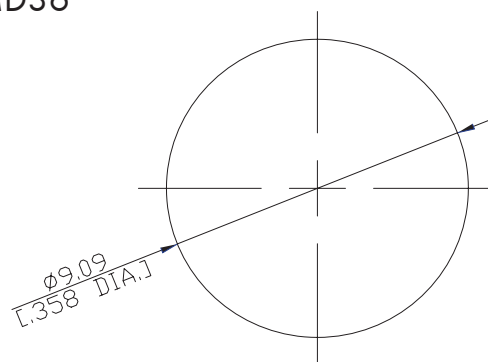
MD34



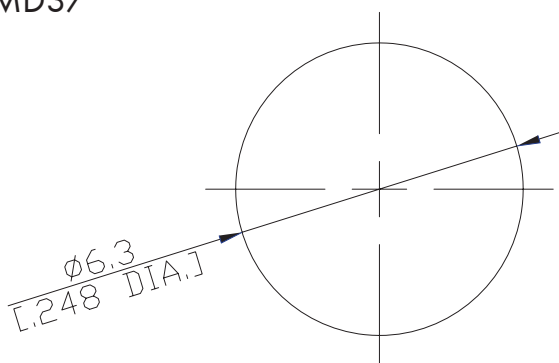
MD35



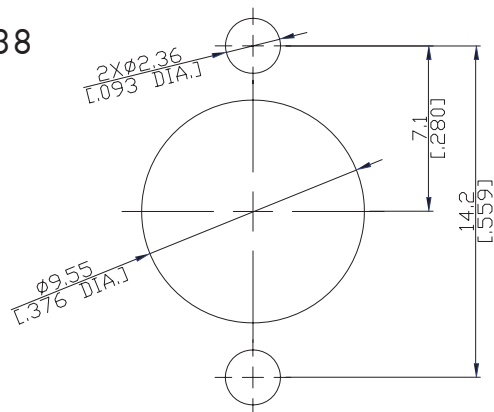
MD36



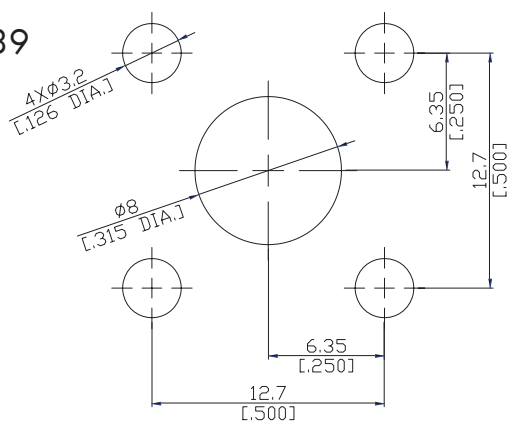
MD37



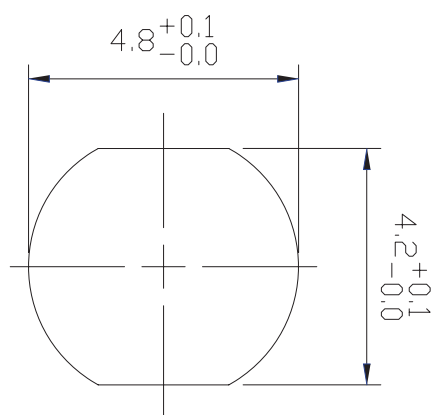
MD38



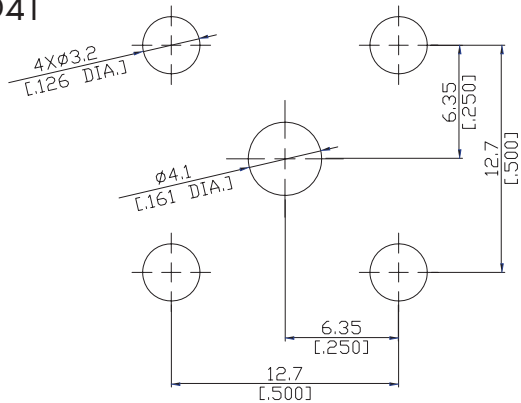
MD39



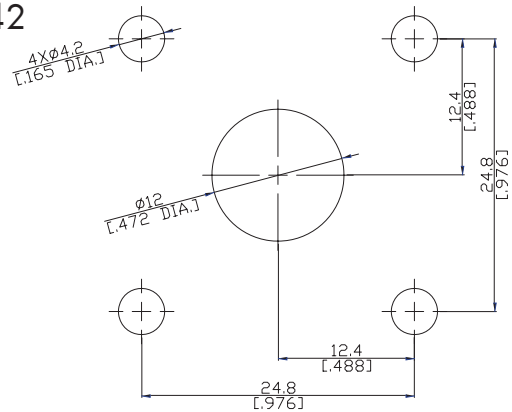
MD40



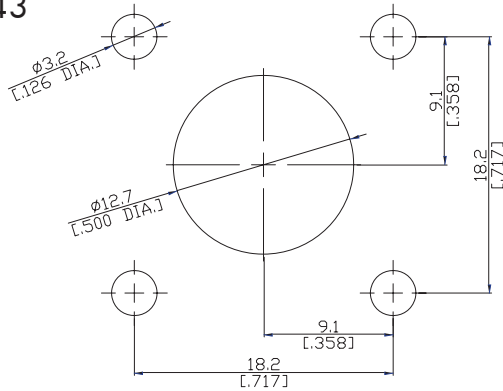
MD41



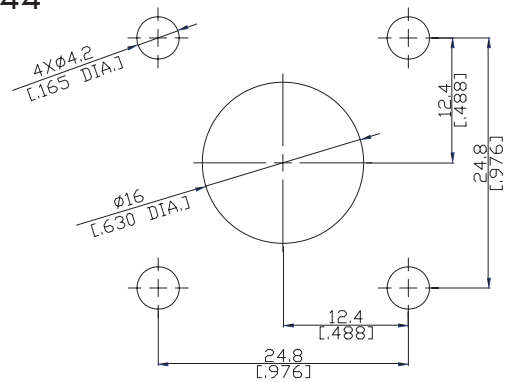
MD42



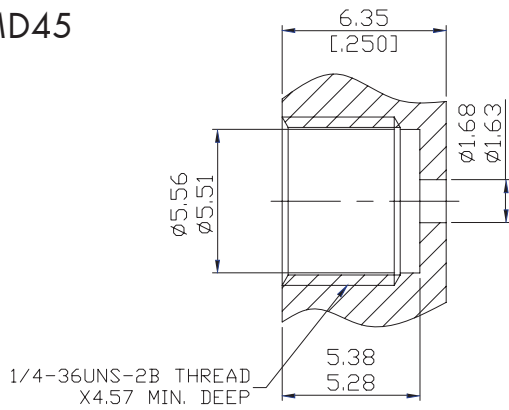
MD43



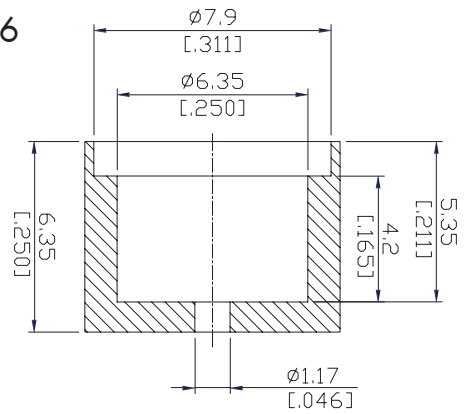
MD44



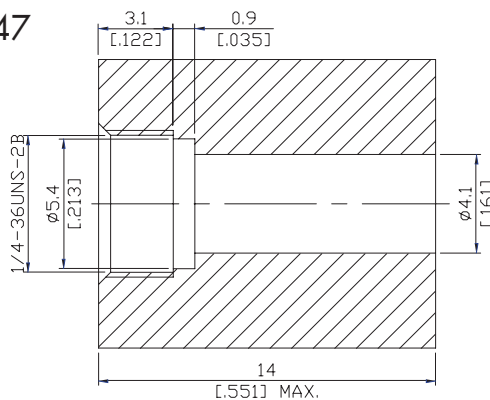
MD45



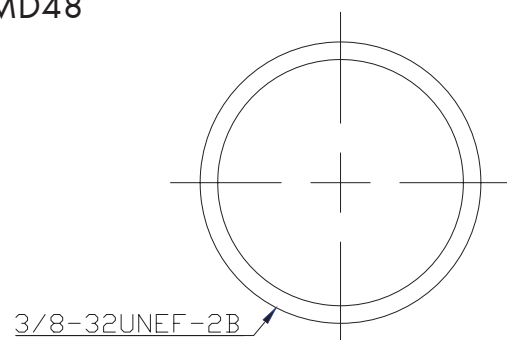
MD46



MD47

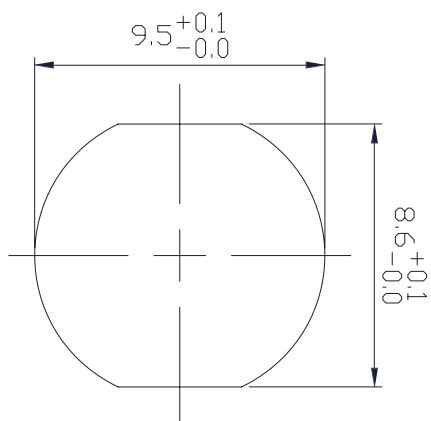


MD48

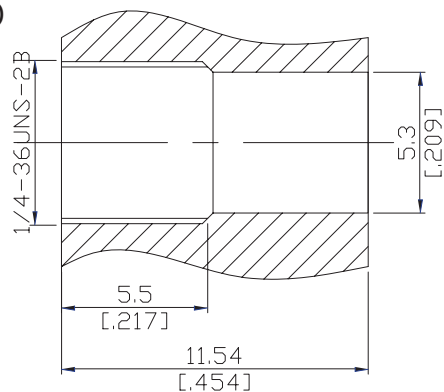


Mounting Dimension

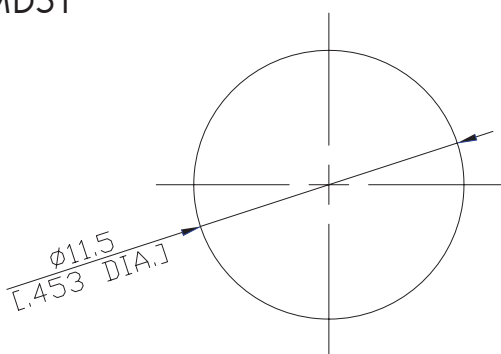
MD49



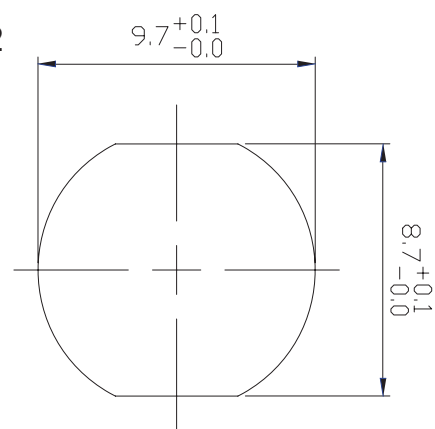
MD50



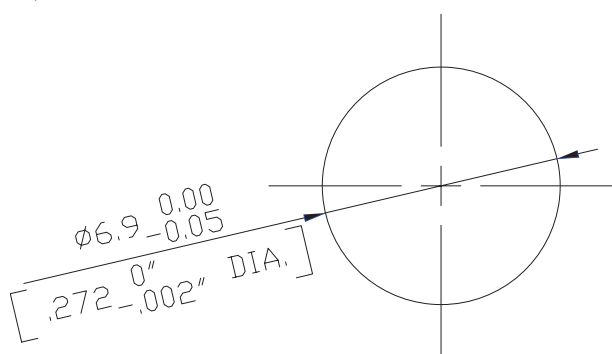
MD51



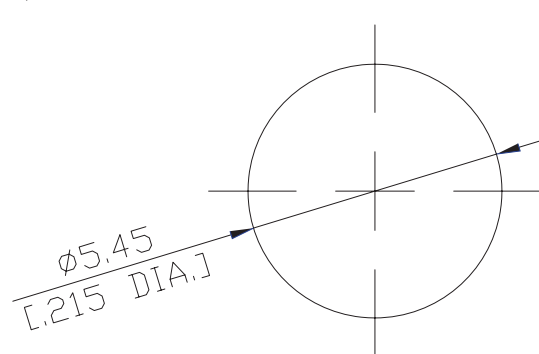
MD52



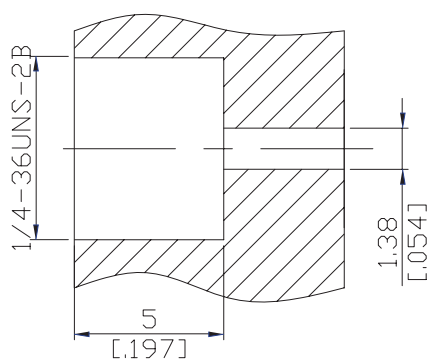
MD53



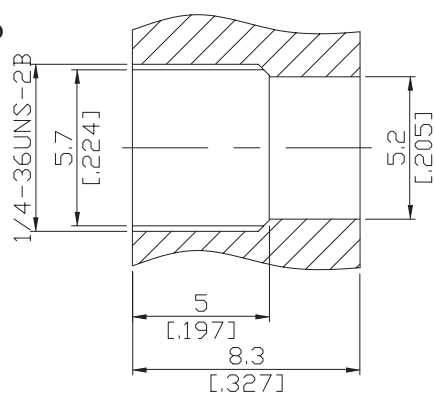
MD54



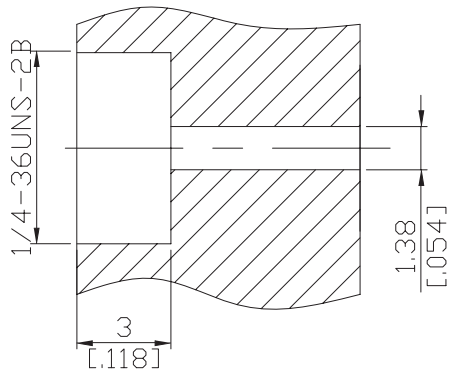
MD55



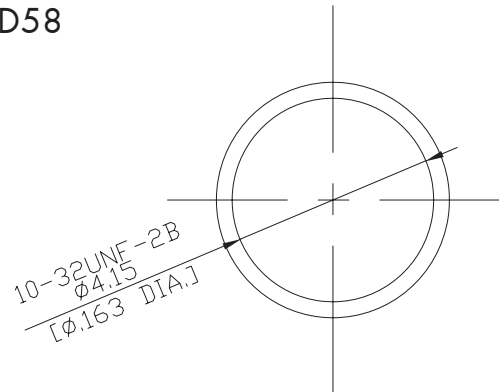
MD56



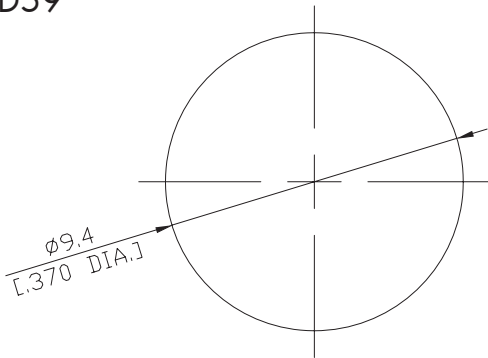
MD57



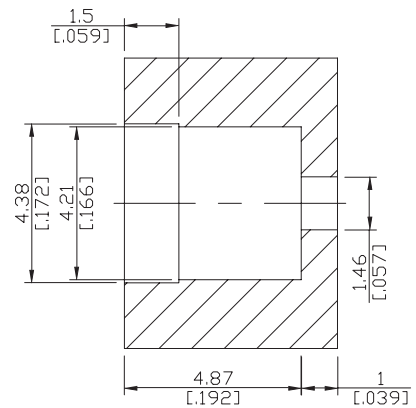
MD58



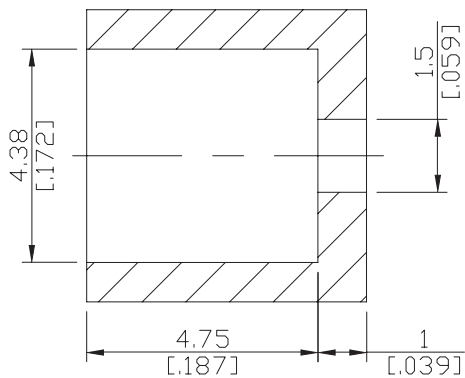
MD59



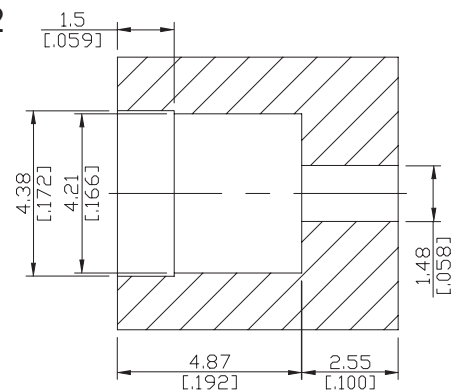
MD60



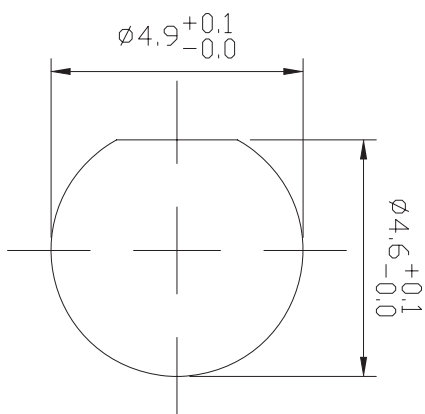
MD61



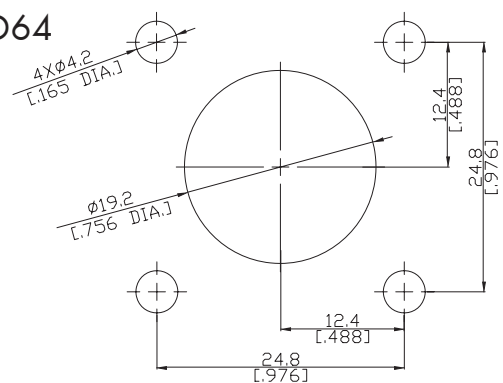
MD62



MD63

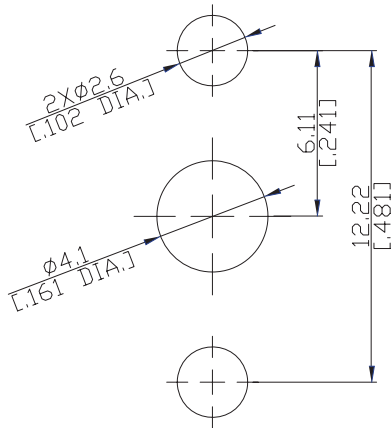


MD64

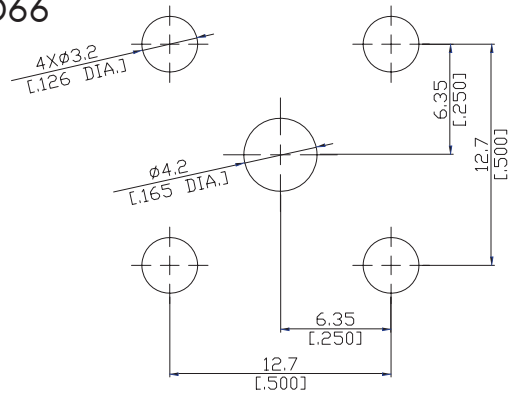


Mounting Dimension

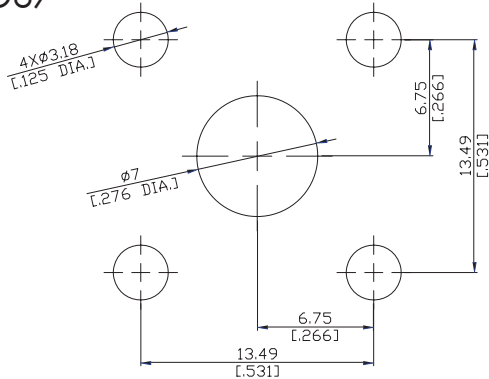
MD65



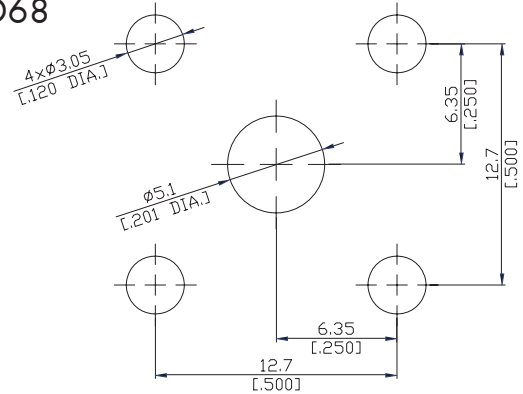
MD66



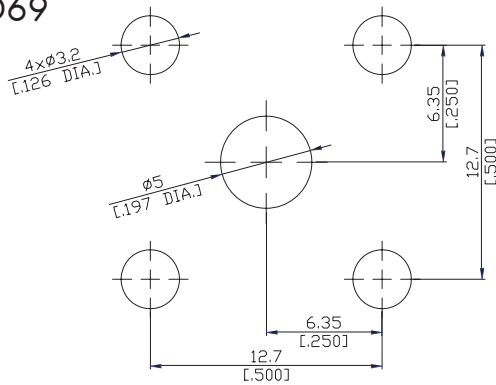
MD67



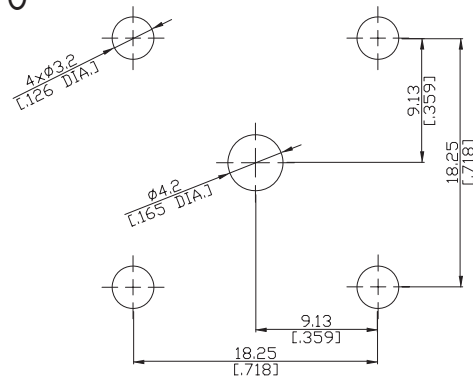
MD68



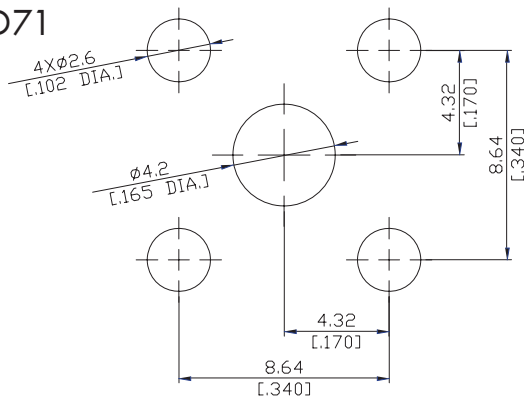
MD69



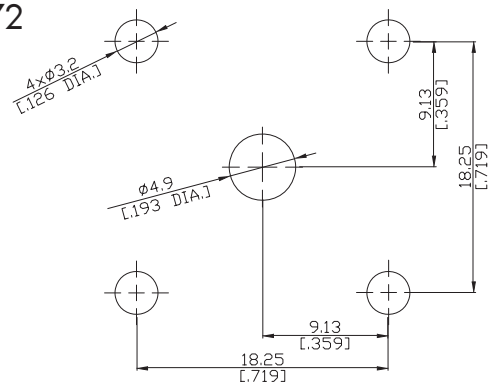
MD70



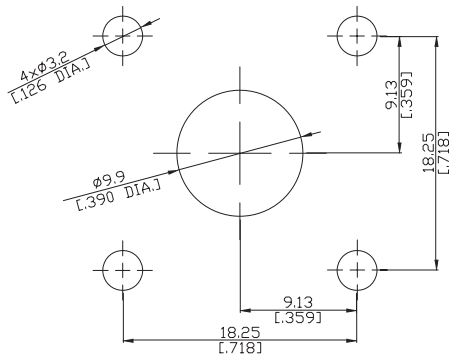
MD71



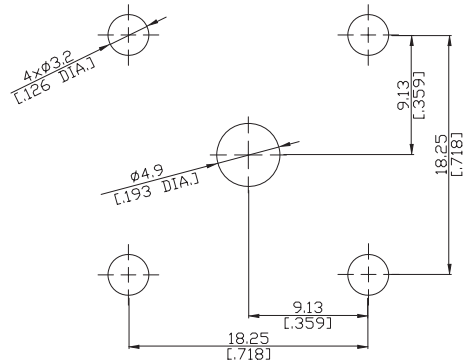
MD72



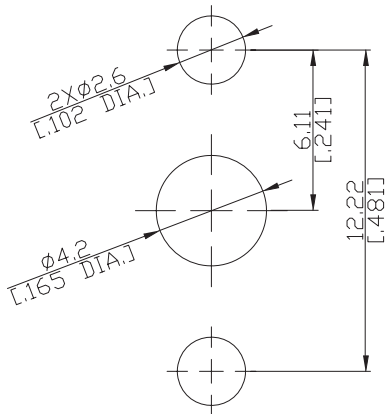
MD73



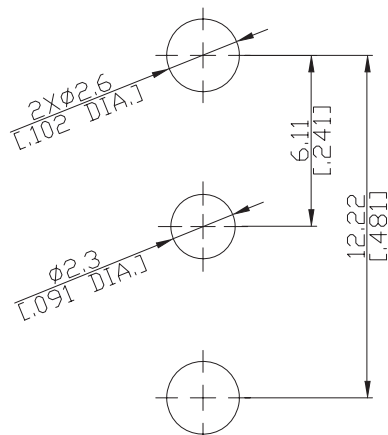
MD74



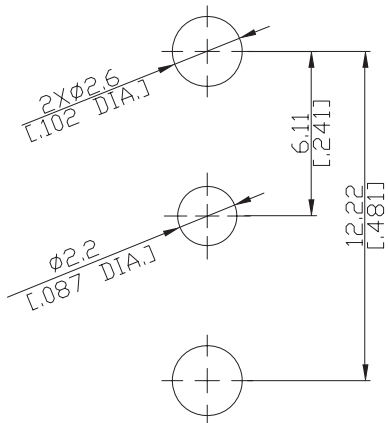
MD75



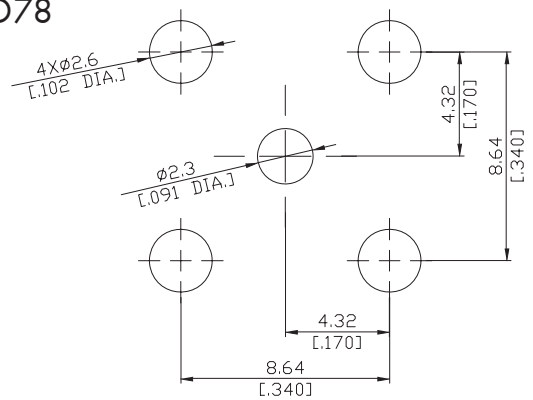
MD76



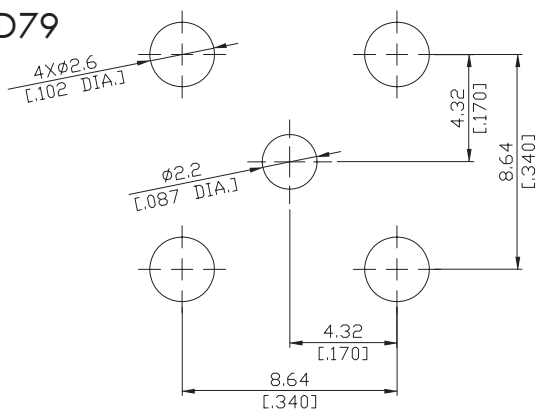
MD77



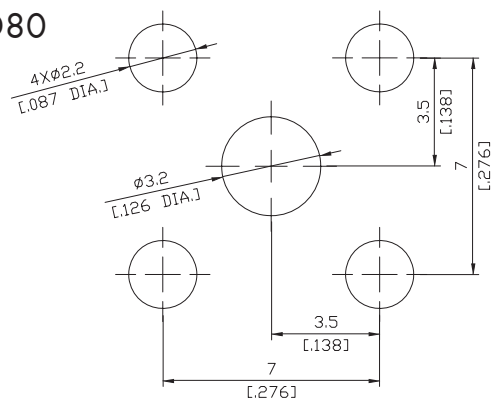
MD78



MD79

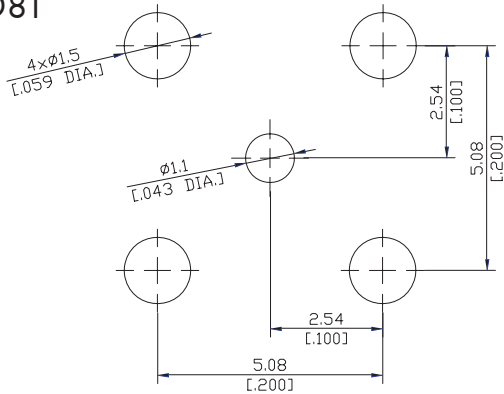


MD80

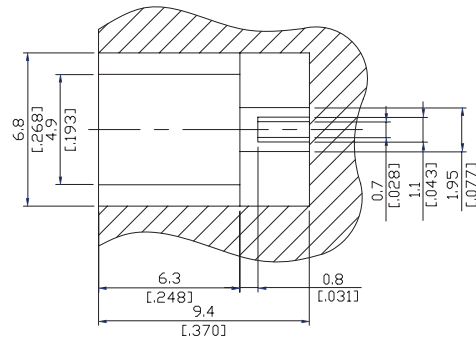


Mounting Dimension

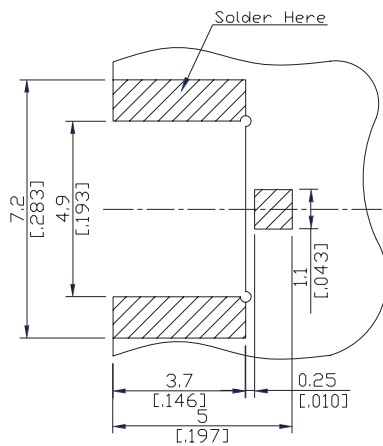
MD81



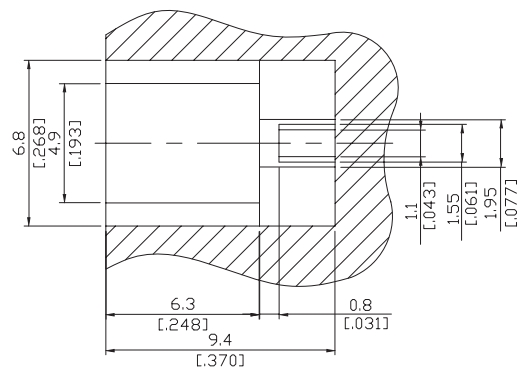
MD82



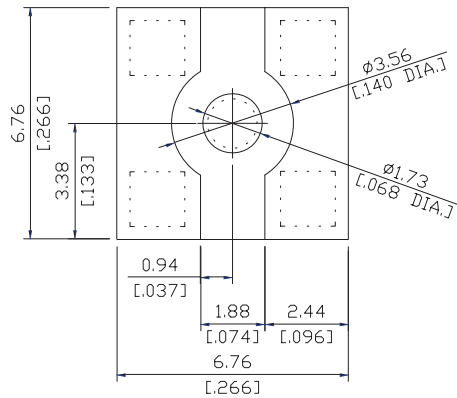
MD83



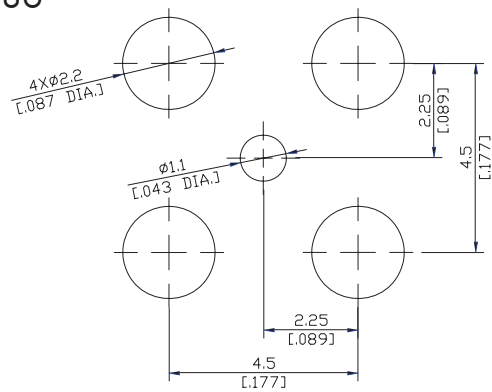
MD84



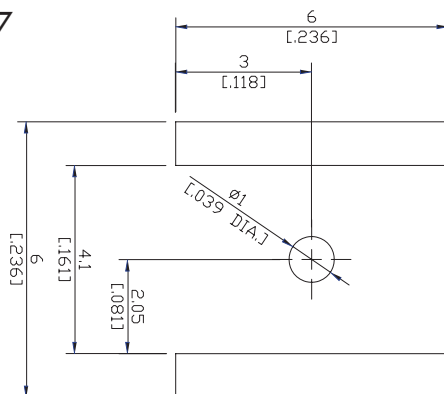
MD85



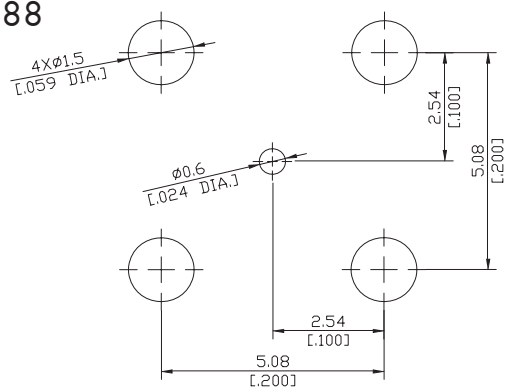
MD86



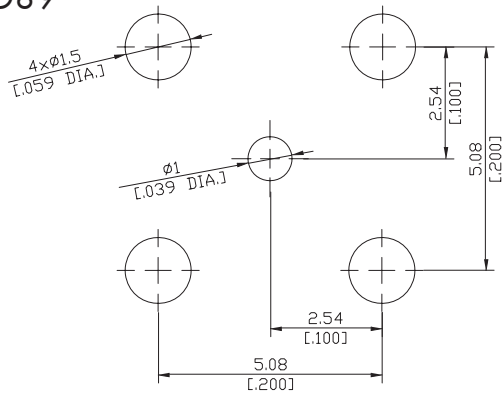
MD87



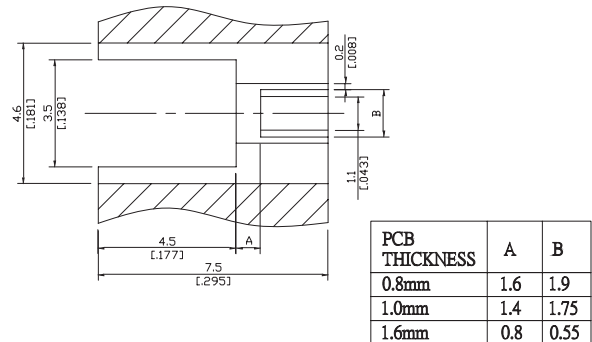
MD88



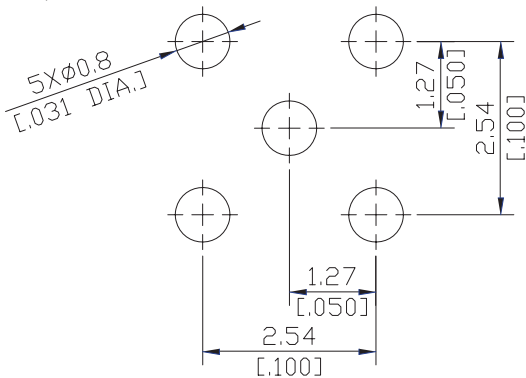
MD89



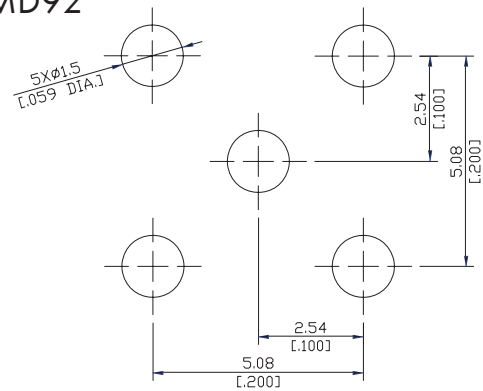
MD90



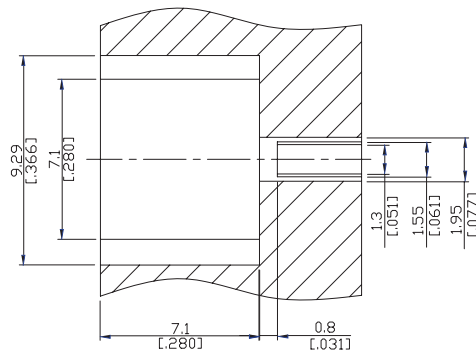
MD91



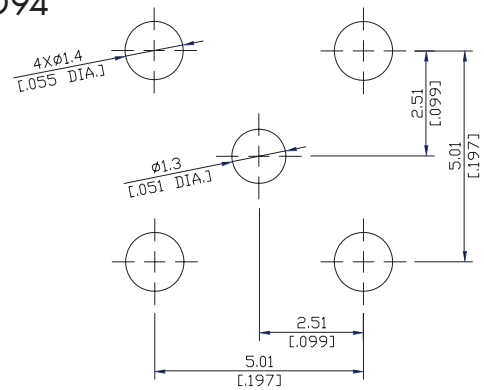
MD92



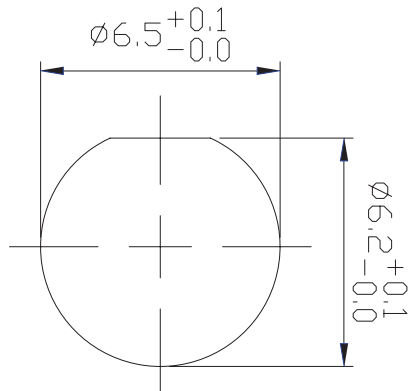
MD93



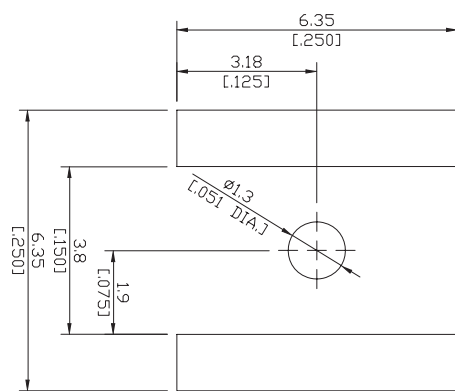
MD94



MD95

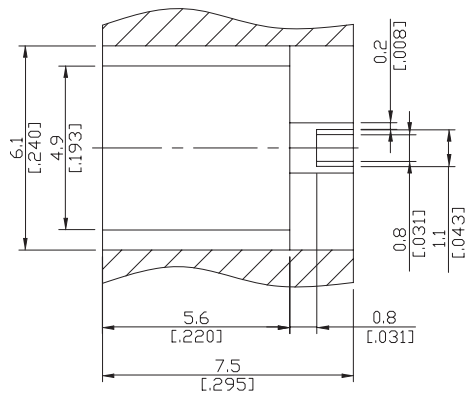


MD96

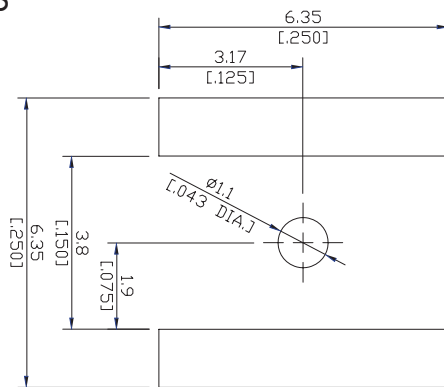


Mounting Dimension

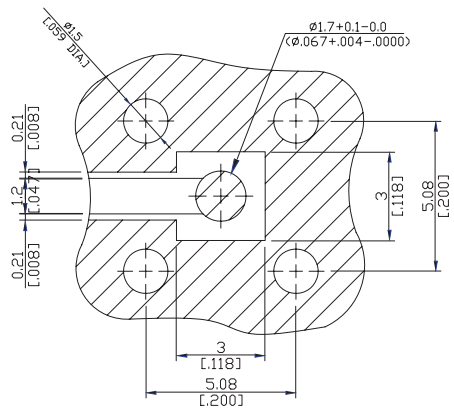
MD97



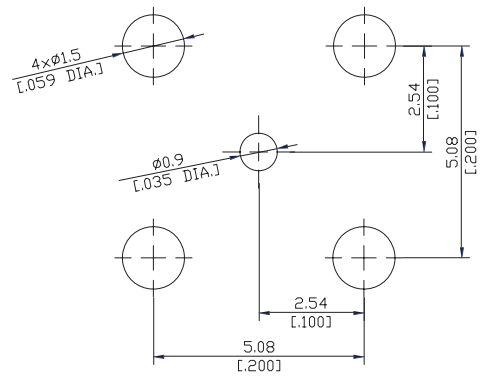
MD98



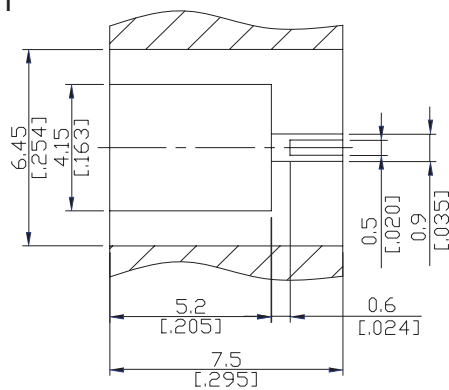
MD99



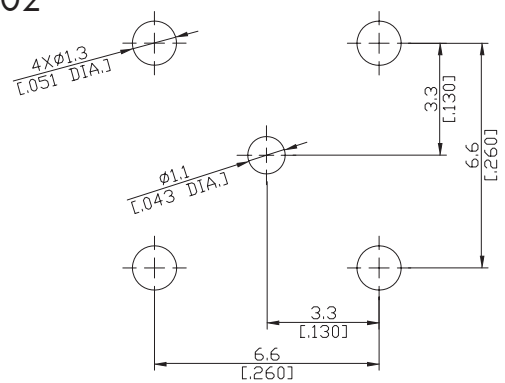
MD100



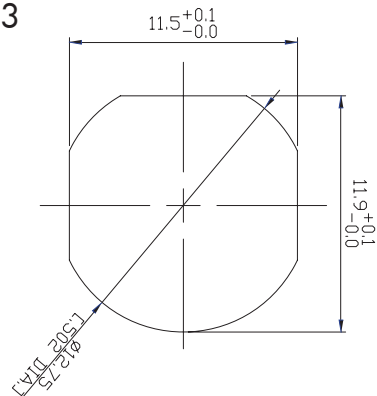
MD101



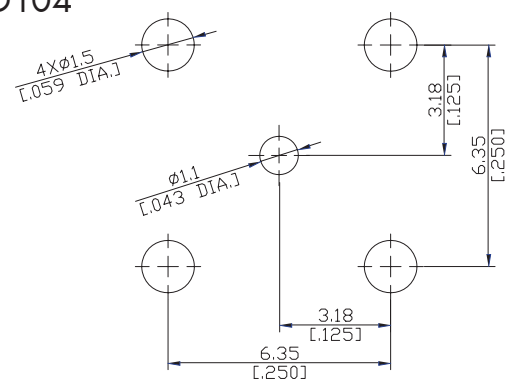
MD102



MD103

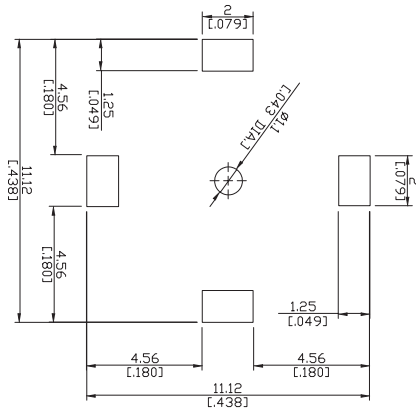


MD104

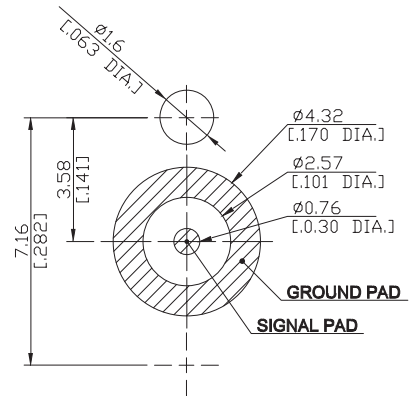


Mounting Dimension

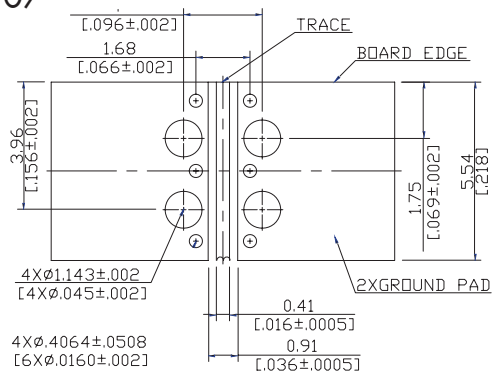
MD105



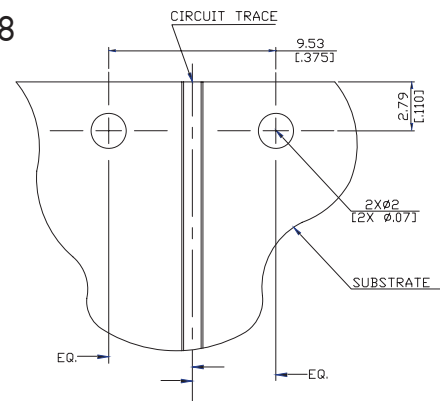
MD106



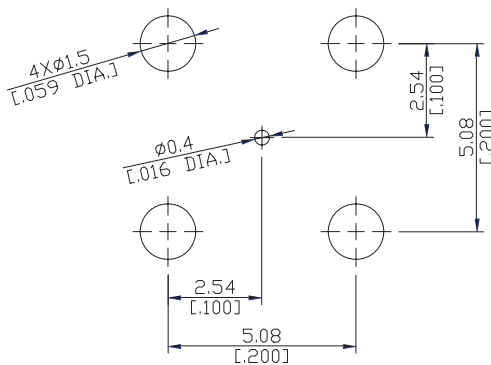
MD107



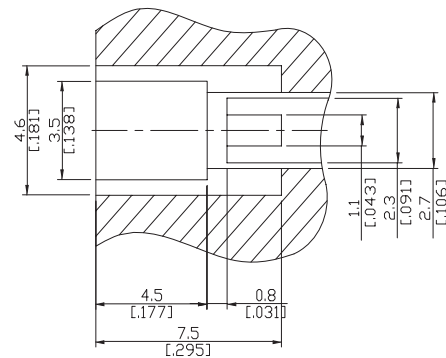
MD108



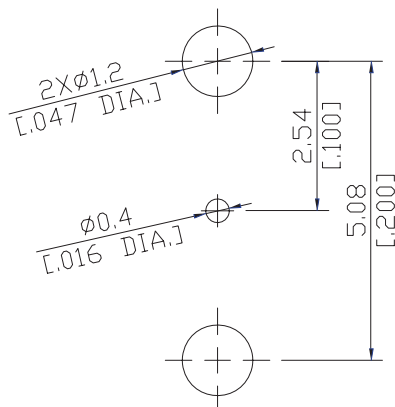
MD109



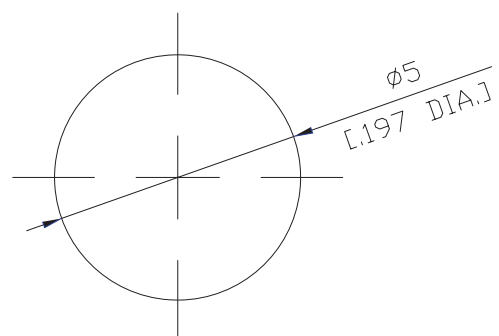
MD110



MD111

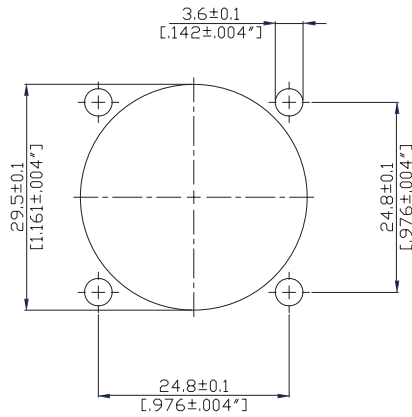


MD112

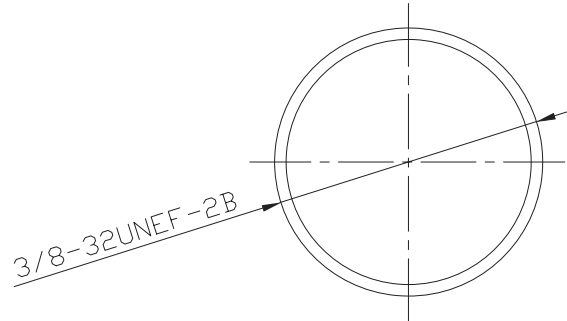


Mounting Dimension

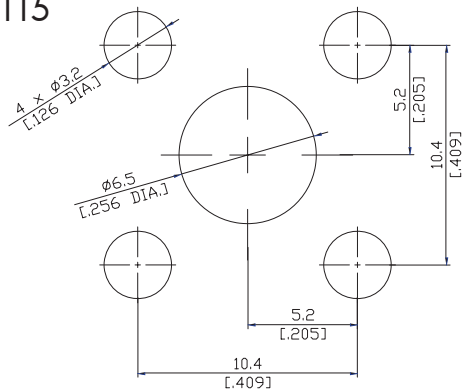
MD113



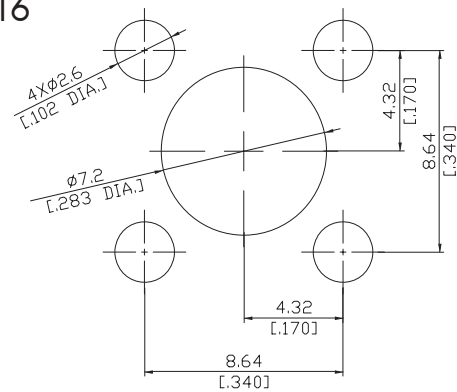
MD114



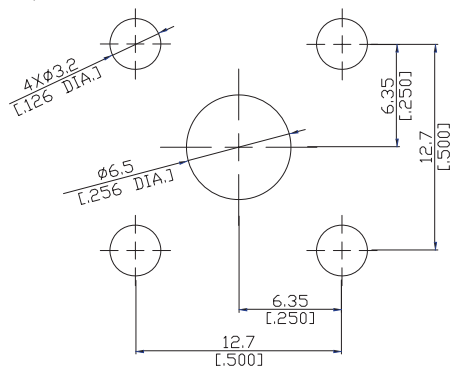
MD115



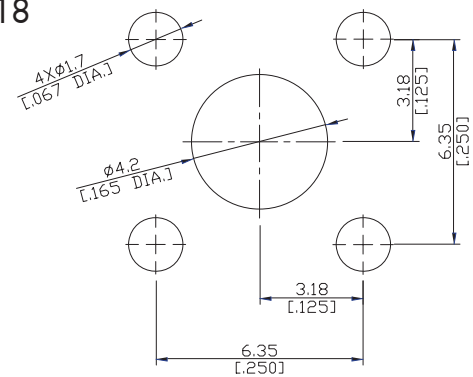
MD116



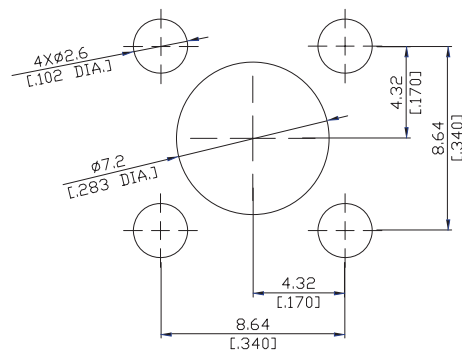
MD117



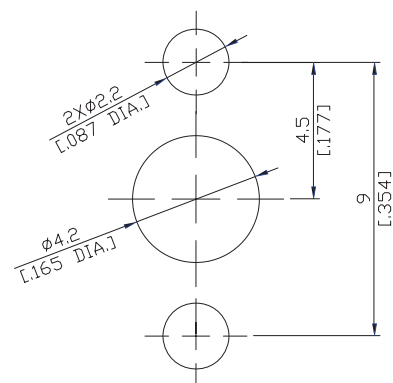
MD118



MD119

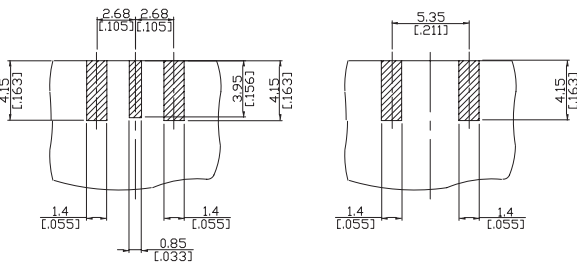


MD120



Mounting Dimension

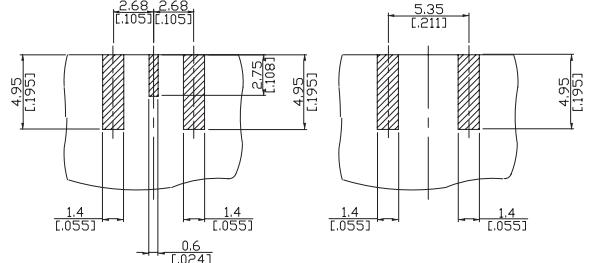
MD121



Top View

Bottom View

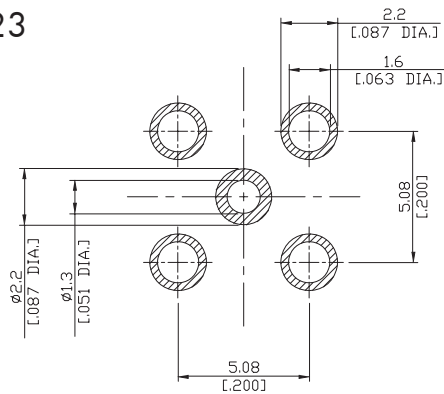
MD122



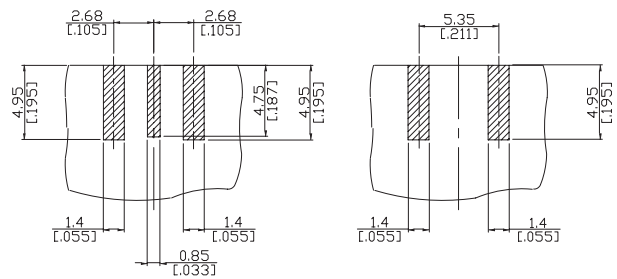
Top View

Bottom View

MD123



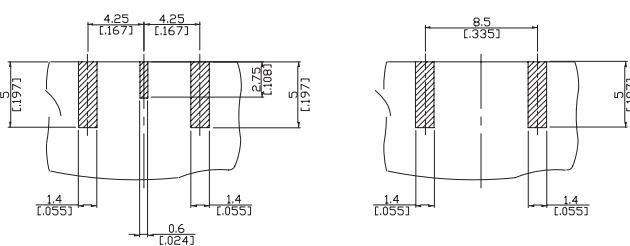
MD124



Top View

Bottom View

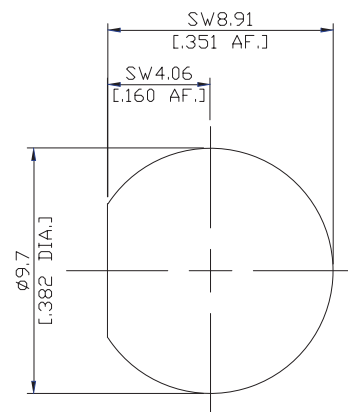
MD125



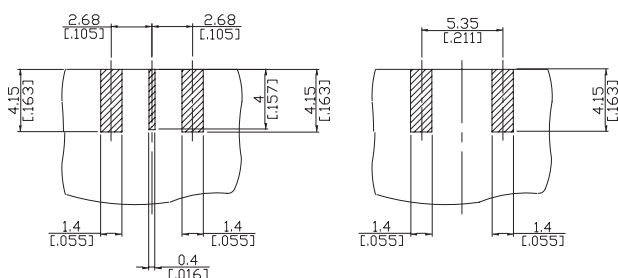
Top View

Bottom View

MD126



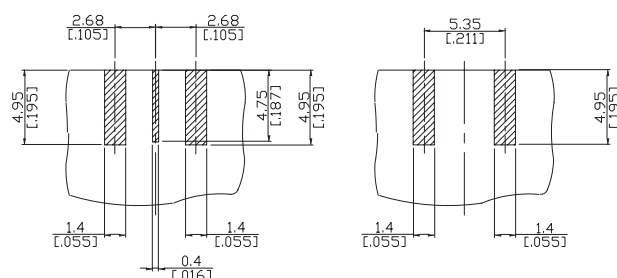
MD127



Top View

Bottom View

MD128

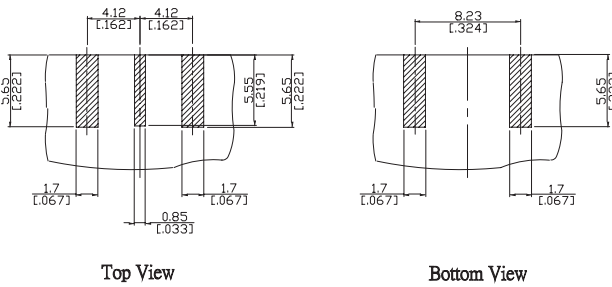


Top View

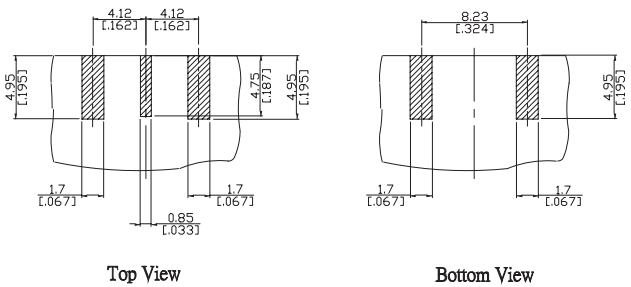
Bottom View

Mounting Dimension

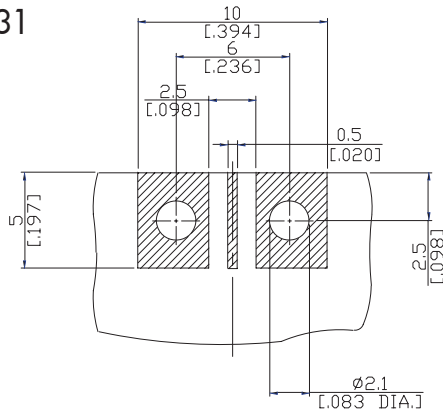
MD129



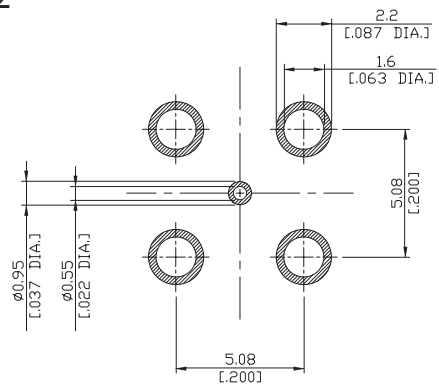
MD130



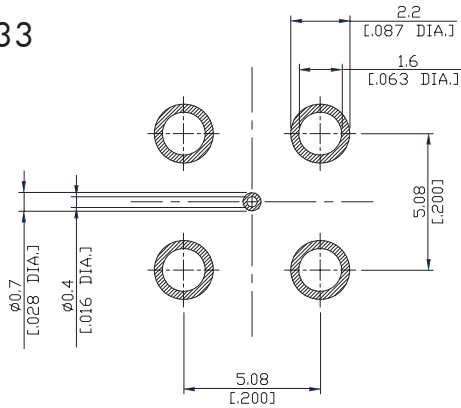
MD131



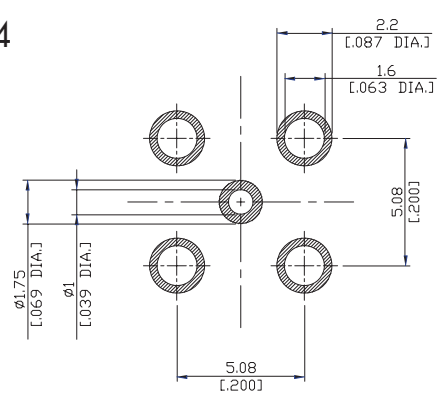
MD132



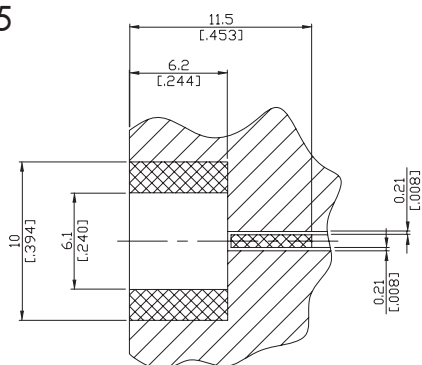
MD133



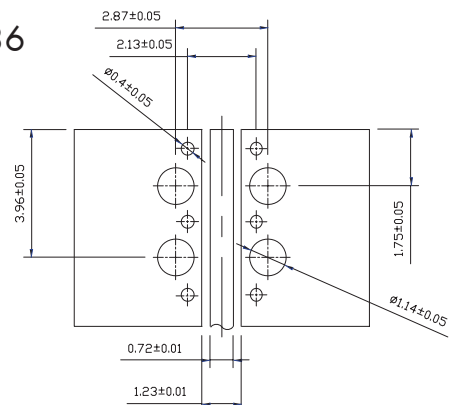
MD134



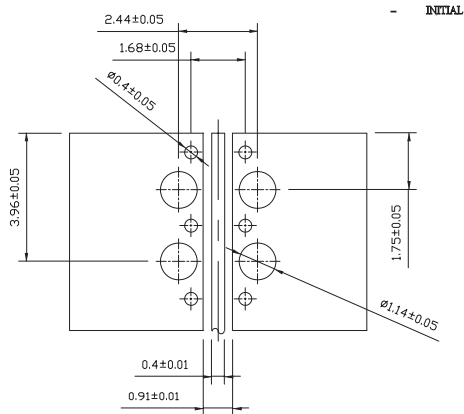
MD135



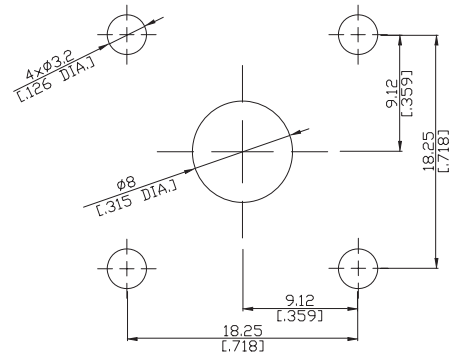
MD136



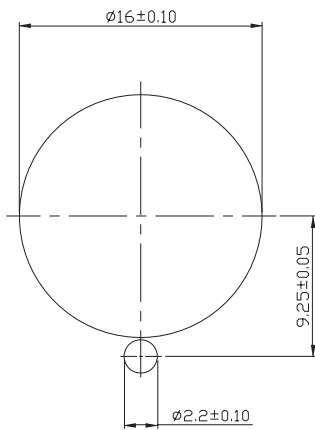
MD137



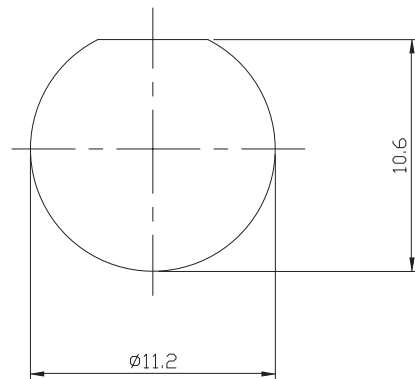
MD138



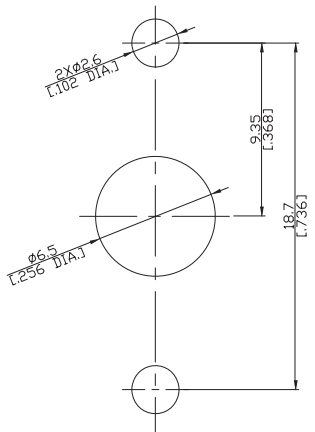
MD139



MD140



MD141



Additional Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Additional Notes

Additional Notes



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