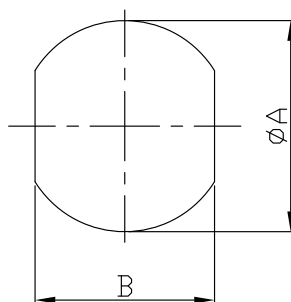
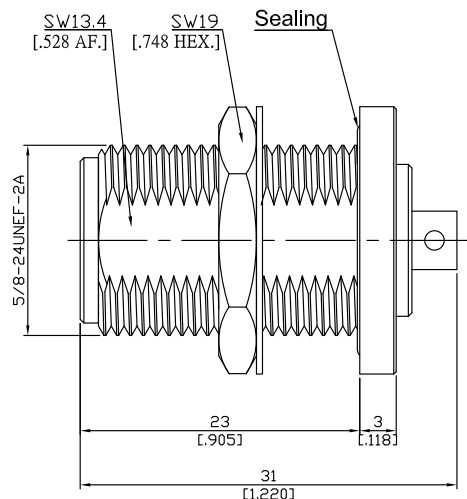


N Jack (Female) Connector Cable Entry: Solder  
Contact Pin: Plug-in Attachment Bulkhead Mount  
For RG402, .141" Cables, DC-11 GHz VSWR1.25

## N2EA50-EZ141A / 94

### MOUNTING DIMENSIONS



	mm		inch	
	MAX.	MIN.	MAX.	MIN.
A	16.1	16	.634	.630
B	13.7	13.6	.539	.535

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

IEC 61169-16, MIL-STD-348B/304

#### Electrical Data

Impedance	50 $\Omega$	
Frequency	DC to 11 GHz	
VSWR (Return Loss)	$\leq 1.25$ ( $\geq 19.08$ dB)	
Insertion Loss	$\leq 0.05 \times \sqrt{F}$ (GHz) dB	
Insulation Resistance	$\geq 5 \times 10^3$ M $\Omega$	
Center Contact Resistance	$\leq 1$ m $\Omega$	
Outer Contact Resistance	$\leq 0.25$ m $\Omega$	
Working voltage	500 V rms	
Power handling	1000 W @ 1 GHz	700 W @ 2 GHz
RF-leakage	$\geq 128$ dB up to 1 GHz	

- Limitations are possible due to the used cable type -

#### Material And Plating

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	

N Jack (Female) Connector Cable Entry: Solder  
Contact Pin: Plug-in Attachment Bulkhead Mount  
For RG402, .141" Cables, DC-11GHz VSWR1.25

## N2EA50-EZ141A / 94

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	min. 500
Centre Contact	Plug-in
Cable entry	Soldered
Center Contact Captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.7 Nm to 1.1 Nm

### Environmental Data

Temperature Range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

### Suitable Cables

RG402, .141" Cables

### Packing

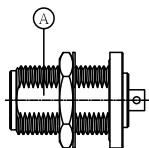
Single or 100

N Jack (Female) Connector Cable Entry: Solder  
Contact Pin: Plug-in Attachment Bulkhead Mount  
For RG402, .141" Cables, DC-11 GHz VSWR1.25

## N2EA50-EZ141A / 94

Connector Type:	N2EA50-EZ141A/94	Inner Conductor Contact:	Plug-in
Suitable Cable:	RG402, .141 Semi-Rigid and Semi-Flex Cables RG402, .141 Flexible Cables	Outer Conductor Contact:	Soldered

Parts List of Connector:



Assembly Steps:

Picture	Process	Attention/Check	Tools Required
<p>For Semi-Rigid and Semi-Flex Cables:</p>	<p>For Semi-Rigid and Semi-Form cable :</p> <p>Trim cable according to drawing. Chamfer center contact. Dimension 15 mm applies to the FEP jacket cables.</p>	<p>Strip the cable end perpendicular to its axis. Do not damage center contact.</p>	<p>Blades Trim tools</p>
<p>For Flexible Cables:</p>	<p>For Flexible Cable:</p> <p>Remove the cable jacket according to the picture and put the braid into liquid tin. Remove cable dielectric according to the drawing. Chamfer center contact.</p>	<p>Do not damage center contact, dielectric or braid. The liquid tin has to cover a length of 15 mm. If the cable does not fit into the cable entry, utilize a flat-nose plier to adjust the outer contact.</p>	<p>Blades Solder pot Flat-nose plier</p>
	<p>Slide connector body "A" over the cable. Solder connector body "A" to the cable (see drawing).</p>	<p>Avoid excessive heat. Immediately use alcohol to wipe the soldered area to reduce joint temperature and remove residuals.</p>	<p>Solder iron</p>