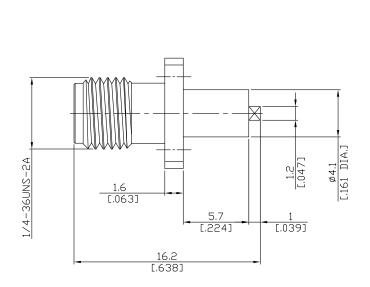
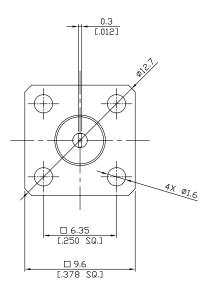


Technical Data Sheet

SMA Jack (Female) Connector Solder Attachment 4 Hole Flange Mount Flat Terminal, 6.35mm (.250 inch) Hole Spacing DC-18GHz VSWR1.30

SMA2GFD50-1620B / 9X





All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-15; MIL-STD-348B/310

Electrical Data

Impedance

Frequency

VSWR (Return Loss)

Insertion Loss

Insulation Resistance

Center Contact Resistance

Outer Contact Resistance

Test Voltage

Working Voltage (at sea level)

Power Handling (at 20 °C, sea level, VSWR 1.0)

50 Ω

DC to 18 GHz

≤ 1.30 (≥ 17.7 dB)

≤ 0.05 x √F (GHz) dB

≥ 5 GΩ

≤ 3 mΩ

 $\leq 2 \text{ m}\Omega$

1000 V rms

480 V rms

≤ 200 W @ 2 GHz

Material And Plating

Piece Parts	Material	Plating
Control	Beryllium Copper	Gold plating, 3 µinch
Centre contact		(Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our
knowledge, but they are intended for general informational purposes only.
In the effort to improve our products, we reserve the right to make changes
judged to be necessary.

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JUL/16/2021	NLCAGE Code: SEKKO / ISO0001 Certified



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Mechanical Data

Coupling mechanisms Mating Cycles Centre Contact Terminal Type Captivated Type Center Contact Captivation: axial

radial ≥3 Ncm Coupling Test Torque max. 1.7 Nm 0.8 Nm to 1.1 Nm

Recommended Torque

Environmental Data

Temperature Range Thermal shock Corrosion Vibration Shock Moisture Resistance RoHS

-65°C to +165°C

Screw-lock ≥ 500

Soldered

Mechanical

≥ 27 N

MIL-STD-202, Meth. 107, Cond. B MIL-STD-202, Meth. 101, Cond. B MIL-STD-202, Meth. 204, Cond.D MIL-STD-202, Meth. 213, Cond. I MIL-STD-202, Meth. 106

Rev.:-

JUL/16/2021

compliant

Single or 100

Packing