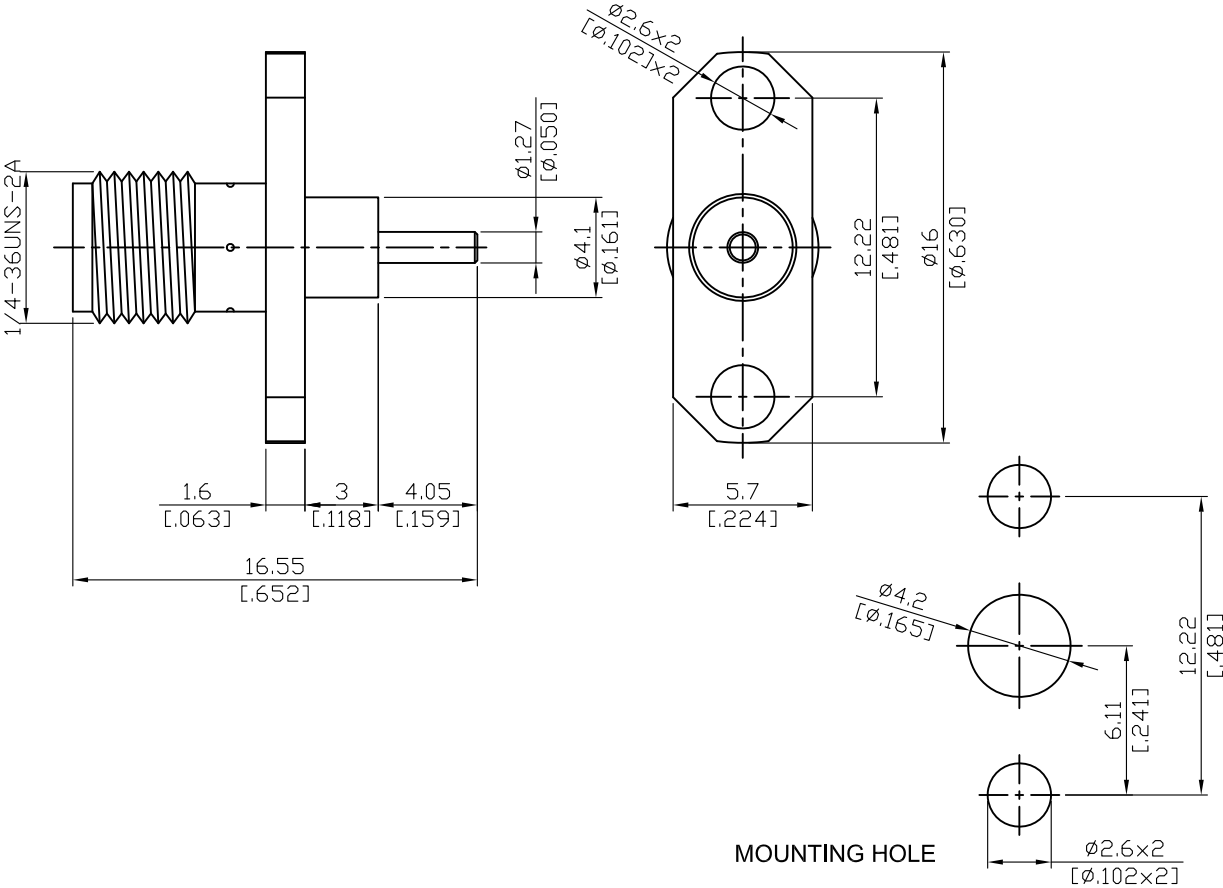


SMA862H9-0000

SMA jack $\phi 16\text{mm}$ 2 hole flange with round contact
($\Phi 1.27$; $L=4.05$), PTFE $L=3$; 18GHz VSWR 1.2

50 Ω



Parts	Material	Plating (Micro-inch)
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

SMA	SMA862H9-0000
Interface	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
Electrical Data	
Impedance	50Ω
Frequency range	DC to 18GHz
VSWR	≤1.2 (DC to 18GHz)
Insertion loss	≤0.04 x √f(GHz) dB
Insulation resistance	≥5000MΩ
Contact resistance inner conductor	≤3mΩ
Contact resistance outer conductor	≤2mΩ
Dielectric withstanding voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms
Mechanical Data	
Recommended coupling nut torque	4 inch lbs
Coupling proof torque	5.3 inch lbs
Coupling nut retention force	≥60.7 lbs
Contact Captivation-axial	≥6.1 lbs
Durability (mating)	≥100
Environmental Data	
Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant
Tooling	
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