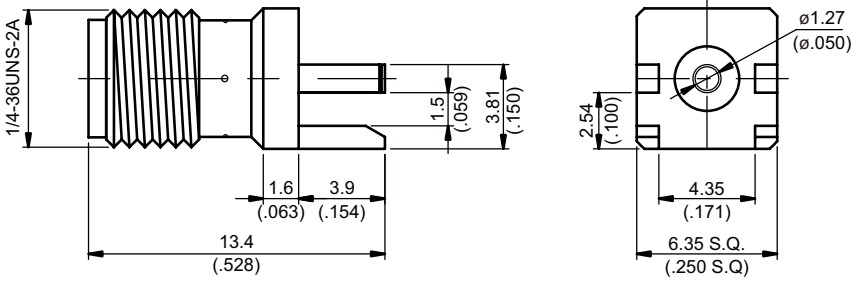


SMA8406-0000	SMA jack PCB mount end launch (T=1.5) with round contact (Φ1.27); 18GHz VSWR1.2	50Ω												
 <p>The drawing shows two views of the SMA jack. The left view is a side profile showing a threaded section with a length of 13.4 (.528) and a thread specification of 1/4-36UNS-2A. The threaded section has a diameter of 1.6 (.063). The total length of the body is 3.9 (.154). The contact pin has a diameter of 1.5 (.059) and a length of 3.81 (.150). The right view is a top-down view showing a square body with a side length of 6.35 S.Q. (.250 S.Q.). The contact pin is centered with a diameter of 1.27 (ø.050). The distance from the center of the pin to the edge of the body is 4.35 (.171). The thickness of the body is 2.54 (.100).</p>														
<table border="1"> <thead> <tr> <th>Parts</th> <th>Material</th> <th>Plating (Micro-inch)</th> </tr> </thead> <tbody> <tr> <td>Contact Pin</td> <td>Beryllium Copper</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>Insulator</td> <td>Teflon</td> <td></td> </tr> <tr> <td>Body</td> <td>Brass</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> </tbody> </table>	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		
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												

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8406-0000
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
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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SMA8406-0000

S11

