

SMA8401I-0000	50Ω												
<p>The drawing shows two views of the SMA8401I-0000 connector. The left view is a side profile showing a threaded section with a thread specification of 1/4-36UNS-2A. Dimensions include a total length of 13.3 REF. (.524 REF.), a distance of 9.5 (.374) from the start of the thread to the center of the contact pin, a distance of 1.6 (.063) from the center of the contact pin to the start of the body, a distance of 3.8 (.150) from the end of the body to the center of the contact pin, a body diameter of 1.06 (.042), and a contact pin diameter of 1.73 (.068). The right view is a top-down view showing a circular contact pin with a diameter of Ø0.78 (Ø.031), a distance of 4.83 (.190) from the center of the pin to the edge of the body, a body diameter of 6.35 SQ. (.250 SQ.), and a distance of 0.76 (.030) from the edge of the body to the center of the pin.</p>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Parts</th> <th style="width: 20%;">Material</th> <th style="width: 60%;">Plating (Micro-inch)</th> </tr> </thead> <tbody> <tr> <td>Contact Pin</td> <td>Beryllium Copper</td> <td>Gold 4 Over Nickel-Phosphorous 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-Phosphorous Alloy 80 Over Copper 20</td> </tr> </tbody> </table>		Parts	Material	Plating (Micro-inch)	Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20	Insulator	Teflon		Body	Brass	Gold 4 Over Nickel-Phosphorous Alloy 80 Over Copper 20
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Weight:													

**This part number complies with RoHS.**  
**Notice: JYEBAO reserves the right to make modifications deemed appropriate.**

SMA	SMA84011-0000
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> MIL-STD-348B Mechanically compatible with <span style="float: right;">2.92 &amp; 3.5</span>	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> Impedance <span style="float: right;">50Ω</span> Frequency range <span style="float: right;">DC to 18GHz</span> VSWR <span style="float: right;">≤ 1.2 (DC to 18GHz)</span> Insertion loss <span style="float: right;">≤ 0.04 x √f(GHz) dB</span> Insulation resistance <span style="float: right;">≥ 5000MΩ</span> Contact resistance inner conductor <span style="float: right;">≤ 3mΩ</span> Contact resistance outer conductor <span style="float: right;">≤ 2mΩ</span> Dielectric withstanding voltage (at sea level) <span style="float: right;">1000 V rms</span> Working voltage (at sea level) <span style="float: right;">335 V rms</span>	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> Recommended coupling nut torque <span style="float: right;">4 inch lbs</span> Coupling proof torque <span style="float: right;">5.3 inch lbs</span> Contact Captivation-axial <span style="float: right;">≥ 6.1 lbs</span> Durability (mating) <span style="float: right;">≥ 100</span>	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> Temperature range <span style="float: right;">-65°C to +165°C</span> Thermal shock <span style="float: right;">MIL-STD-202, Method 107, Condition B</span> Moisture resistance <span style="float: right;">MIL-STD-202, Method 106</span> Corrosion <span style="float: right;">MIL-STD-202, Method 101, Condition B</span> RoHS <span style="float: right;">Compliant</span>	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Tooling</div>	

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# SMA8401I-0000

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