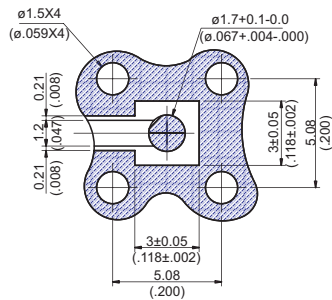
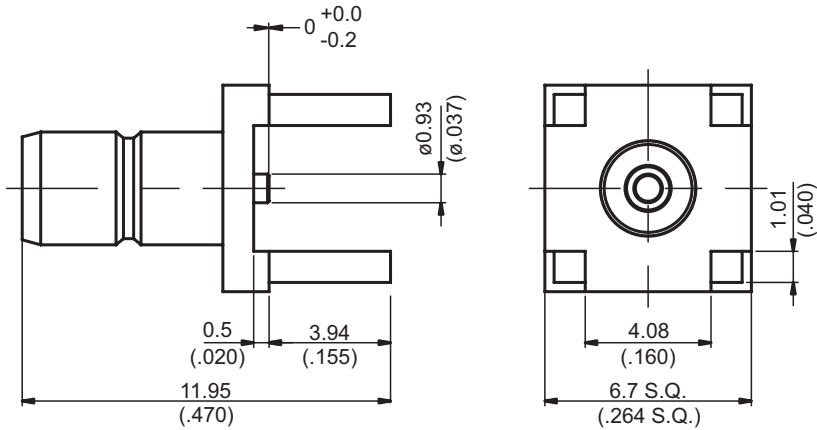


SMB84RE-0000

SMB Jack PCB Mount
With Round Contact (Φ0.93); 4GHz VSWR 1.2 **50Ω**



RECOMMENDED PCB LAYOUT
 Pattern and signal are on the same side
 Thickness of PCB: 1.6mm
 The material of PCB: Er=4.8

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

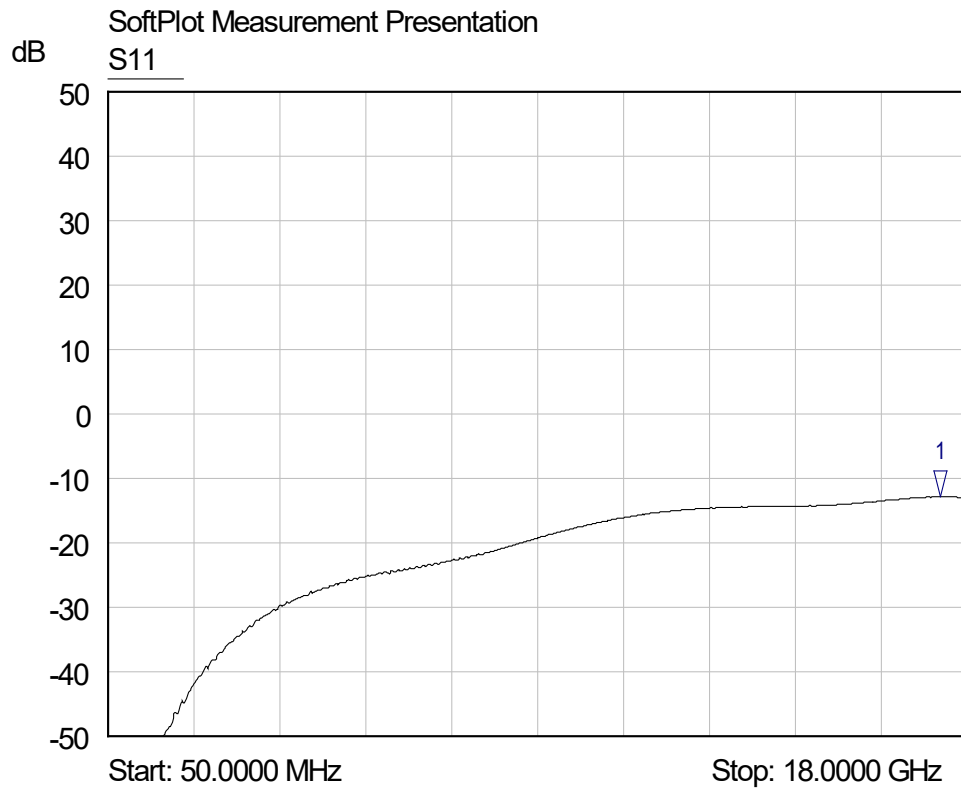
This part number complies with RoHS.

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

SMB	SMB84RE-0000																		
<div data-bbox="167 344 568 389" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B Mechanically compatible with SMS</p>																			
<div data-bbox="167 512 568 557" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Impedance</td> <td style="width: 50%;">50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 4GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC to 4GHz)</td> </tr> <tr> <td>Insertion loss</td> <td>≤ 0.1 x √f(GHz) dB</td> </tr> <tr> <td>Insulation resistance</td> <td>≥ 10000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≤ 5mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>≤ 2.5mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td>1000 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td>335 V rms</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 4GHz	VSWR	≤ 1.2 (DC to 4GHz)	Insertion loss	≤ 0.1 x √f(GHz) dB	Insulation resistance	≥ 10000MΩ	Contact resistance inner conductor	≤ 5mΩ	Contact resistance outer conductor	≤ 2.5mΩ	Dielectric withstanding voltage (at sea level)	1000 V rms	Working Voltage (at sea level)	335 V rms
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<div data-bbox="167 1456 568 1500" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Temperature range</td> <td style="width: 50%;">-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td>MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td>MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td>MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td>Compliant</td> </tr> </table>		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								
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<div data-bbox="167 1812 568 1856" style="border: 1px solid black; padding: 2px;">Tooling</div>																			

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SMB84RE-0000



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	17.4409 GHz	-12.85 dB	