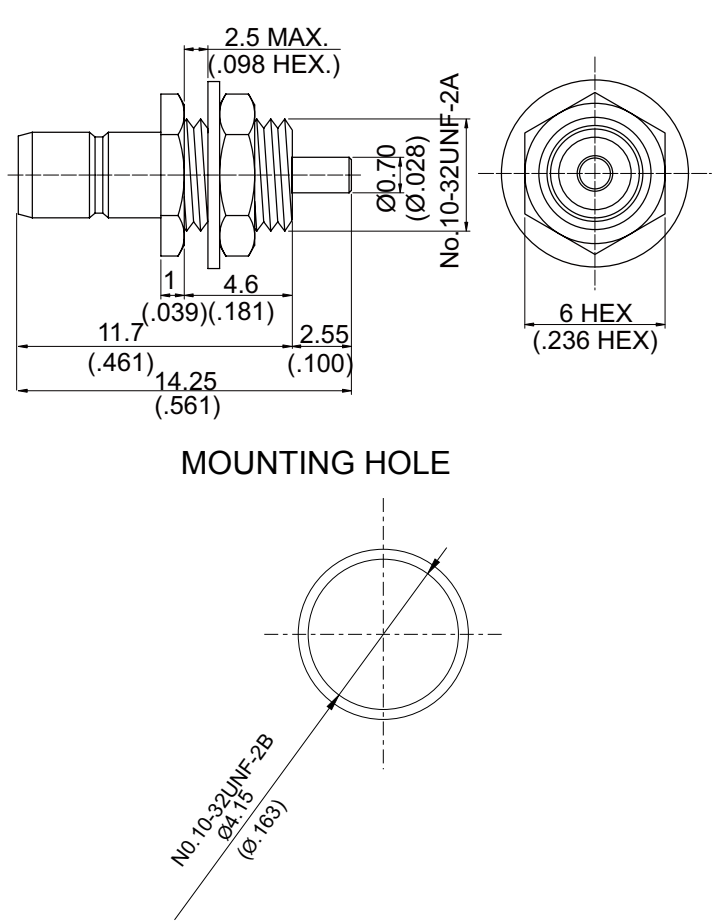


SMB8503-0000	<b>SMB Jack Bulkhead With Round Contact</b> ( $\Phi 0.7$ ; L=2.55); 3.5GHz VSWR 1.2	<b>50<math>\Omega</math></b>																		
 <p style="text-align: center;">MOUNTING HOLE</p>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Parts</th> <th style="width: 20%;">Material</th> <th style="width: 60%;">Plating (Micro-inch)</th> </tr> </thead> <tbody> <tr> <td>Hex Nux</td> <td>Brass</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>Lock Washer</td> <td>Brass</td> <td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td> </tr> <tr> <td>Contact Pin</td> <td>Brass</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)	Hex Nux	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	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
Parts	Material	Plating (Micro-inch)																		
Hex Nux	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20																		
Lock Washer	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20																		
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																		
Weight: 1.12 g																				

This part number complies with RoHS.

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

SMB	SMB8503-0000																		
<div data-bbox="167 347 568 392" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B Mechanically compatible with <span style="float: right;">SMS</span></p>																			
<div data-bbox="167 515 568 560" 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 3.5GHz</td> </tr> <tr> <td>VSWR</td> <td>≤ 1.2 (DC to 3.5GHz)</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 3.5GHz	VSWR	≤ 1.2 (DC to 3.5GHz)	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
Impedance	50Ω																		
Frequency range	DC to 3.5GHz																		
VSWR	≤ 1.2 (DC to 3.5GHz)																		
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																		
<div data-bbox="167 1102 568 1146" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Disengagement force</td> <td style="width: 50%;">1.8 to 14.2 lbs</td> </tr> <tr> <td>Engagement force</td> <td>1.8 to 14.2 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>≥ 4 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 500</td> </tr> </table>		Disengagement force	1.8 to 14.2 lbs	Engagement force	1.8 to 14.2 lbs	Contact captivation-axial	≥ 4 lbs	Durability (mating)	≥ 500										
Disengagement force	1.8 to 14.2 lbs																		
Engagement force	1.8 to 14.2 lbs																		
Contact captivation-axial	≥ 4 lbs																		
Durability (mating)	≥ 500																		
<div data-bbox="167 1458 568 1503" 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								
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																		
<div data-bbox="167 1812 568 1856" style="border: 1px solid black; padding: 2px;">Tooling</div>																			

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

# SMB8503-0000

S11

