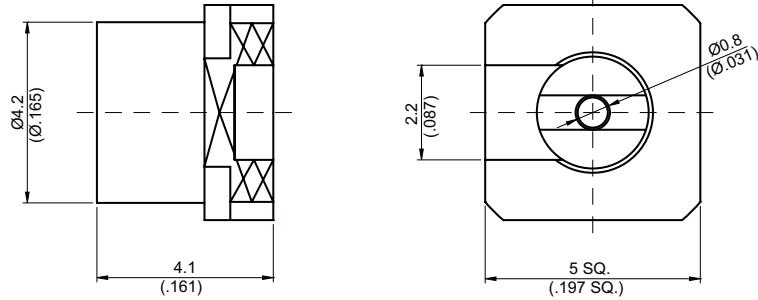
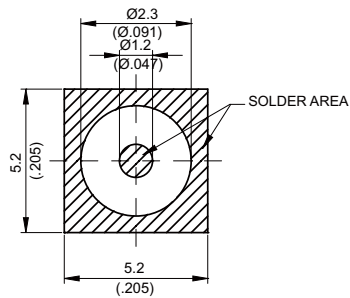


SMP34TM-SB00

**SMP Smooth Bore Plug PCB Mount**  
**With Round Contact (Φ0.8); 18GHz VSWR 1.2 50Ω**



**PCB LAYOUT**



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

This part number complies with RoHS.

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

SMP	SMP34TM-SB00																																	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Interface</div> MIL-STD-348B																																		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Electrical Data</div> Impedance 50Ω Frequency range DC to 18GHz VSWR $\leq 1.2$ (DC to 18GHz) Insertion loss $\leq .06 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000 \text{ M}\Omega$ Contact resistance inner conductor $\leq 6\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 500 Working Voltage (at sea level) 335 RF-Leakage $\geq 80\text{dB}$ (3GHz); $\geq 65\text{dB}$ (3~26.5GHz)																																		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Mechanical Data</div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>Full Detent</th> <th>Limited Detent</th> <th>Smooth bore &amp; catchers mit</th> <th></th> </tr> </thead> <tbody> <tr> <td>Engagement force</td> <td><math>\leq 15</math></td> <td><math>\leq 10</math></td> <td><math>\leq 2</math></td> <td>lbs</td> </tr> <tr> <td>Disengagement force</td> <td><math>\geq 5</math></td> <td><math>\geq 2</math></td> <td><math>\geq 0.5</math></td> <td>lbs</td> </tr> <tr> <td>Durability (mating)</td> <td><math>\geq 100</math></td> <td><math>\geq 500</math></td> <td><math>\geq 1000</math></td> <td></td> </tr> <tr> <td>Axial misalignment</td> <td colspan="4">+ 0.00 / -0.25 (+.000 / -.010)</td> </tr> <tr> <td>Radial misalignment</td> <td colspan="4"><math>\pm 0.25</math> (0.010),min</td> </tr> </tbody> </table>						Full Detent	Limited Detent	Smooth bore & catchers mit		Engagement force	$\leq 15$	$\leq 10$	$\leq 2$	lbs	Disengagement force	$\geq 5$	$\geq 2$	$\geq 0.5$	lbs	Durability (mating)	$\geq 100$	$\geq 500$	$\geq 1000$		Axial misalignment	+ 0.00 / -0.25 (+.000 / -.010)				Radial misalignment	$\pm 0.25$ (0.010),min			
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<div style="border: 1px solid black; padding: 2px; display: inline-block;">Environmental Data</div> 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 style="border: 1px solid black; padding: 2px; display: inline-block;">Tooling</div>																																		

# SMP34TM-SB00

S11

