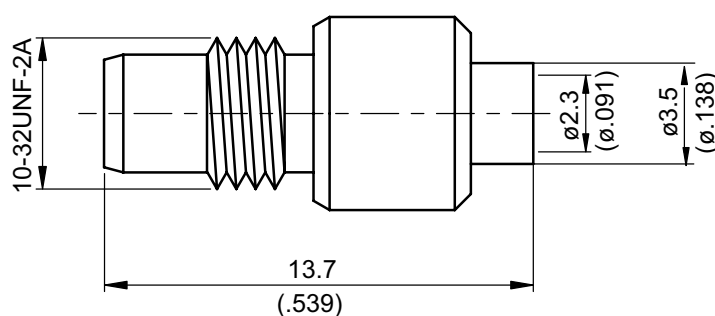


SMC8300-0085

SMC jack solder for RG405;
2GHz VSWR 1.2

50Ω



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
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 1.39 g

Suitable Cables: Semi-rigid.085

This part number complies with RoHS.

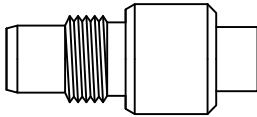
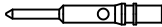
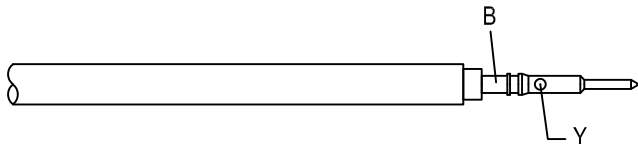
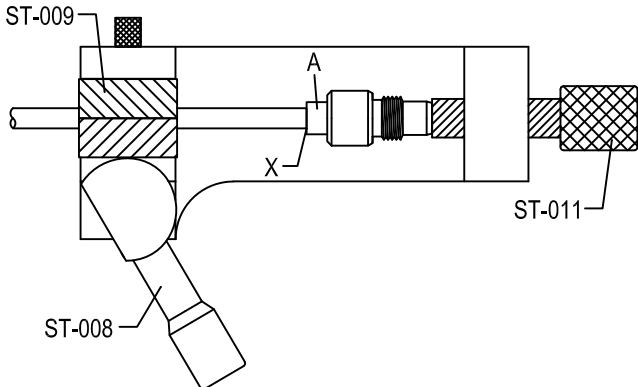
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMC	SMC8300-0085																				
Interface MIL-STD-348B																					
Electrical Data <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 2GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.2 (DC to 2GHz)</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>750 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>250 V rms</td></tr> <tr> <td>RF leakage</td><td>≥ 90dB to 1GHz</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 2GHz	VSWR	≤ 1.2 (DC to 2GHz)	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)	750 V rms	Working voltage (at sea level)	250 V rms	RF leakage	≥ 90dB to 1GHz
Impedance	50Ω																				
Frequency range	DC to 2GHz																				
VSWR	≤ 1.2 (DC to 2GHz)																				
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)	750 V rms																				
Working voltage (at sea level)	250 V rms																				
RF leakage	≥ 90dB to 1GHz																				
Mechanical Data <table> <tr> <td>Recommended coupling nut torque</td><td>2.2 to 3.1 inch lbs</td></tr> <tr> <td>Coupling proof torque</td><td>6.2 inch lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 2.25 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 500</td></tr> </table>		Recommended coupling nut torque	2.2 to 3.1 inch lbs	Coupling proof torque	6.2 inch lbs	Contact captivation-axial	≥ 2.25 lbs	Durability (mating)	≥ 500												
Recommended coupling nut torque	2.2 to 3.1 inch lbs																				
Coupling proof torque	6.2 inch lbs																				
Contact captivation-axial	≥ 2.25 lbs																				
Durability (mating)	≥ 500																				
Environmental Data <table> <tr> <td>Temperature range</td><td>-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																				
Tooling <table> <tr> <td>Soldering fixture</td><td>ST-008</td></tr> <tr> <td>Insert for .085semi-rigid cable</td><td>ST-009</td></tr> <tr> <td>Locator tool</td><td>ST-011</td></tr> </table>		Soldering fixture	ST-008	Insert for .085semi-rigid cable	ST-009	Locator tool	ST-011														
Soldering fixture	ST-008																				
Insert for .085semi-rigid cable	ST-009																				
Locator tool	ST-011																				

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMC8300-0085		DATE	2017/10/20	REV	—
A		B			
					
BODY		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ".			
		Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMC8300-0085

S11

