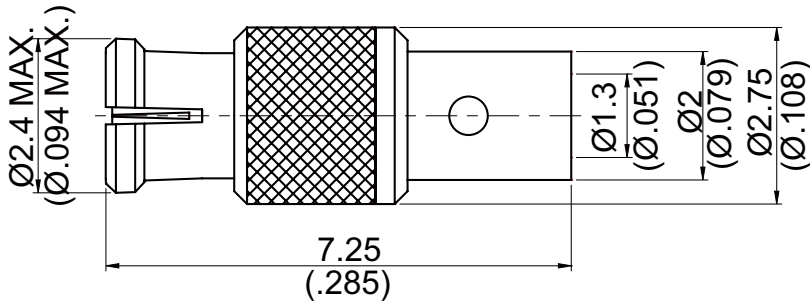


SMPM8300-0047	SMPM Jack Solder For .047 semi-rigid 18GHz VSWR 1.2	50Ω															
																	
<table border="1"> <thead> <tr> <th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr> </thead> <tbody> <tr> <td>Ferrule</td><td>Brass</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> <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>Beryllium Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> </tbody> </table>			Parts	Material	Plating (Micro-inch)	Ferrule	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20	Contact Pin	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20	Insulator	Teflon		Body	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
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Suitable Cables:Semi-rigid.047																	

This part number complies with RoHS.

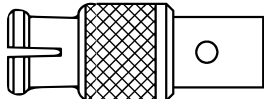
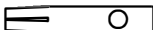
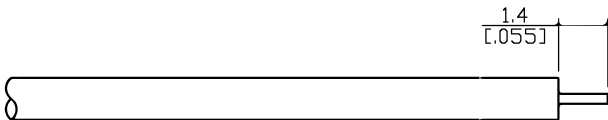
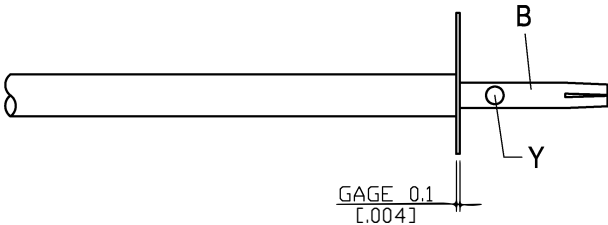
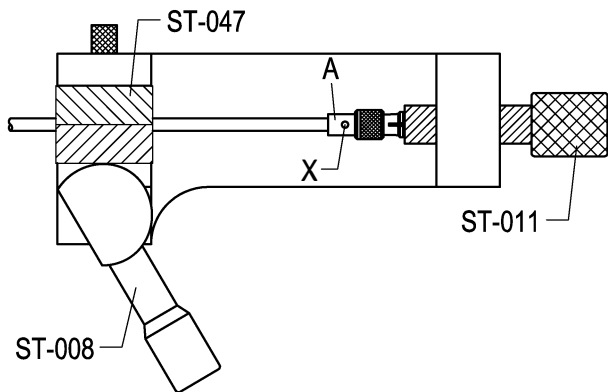
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMPM		SMPM8300-0047														
Interface MIL-STD-348B																
Electrical Data Impedance Frequency range VSWR Insertion loss Insulation resistance Contact resistance inner conductor Contact resistance outer conductor Dielectric withstanding voltage (at sea level) 50Ω DC to 18GHz ≤ 1.2 (DC to 18GHz) ≤ 0.1 x √f(GHz) dB ≥ 5000 MΩ ≤ 6mΩ ≤ 2mΩ 325																
Mechanical Data Engagement force Disengagement force Durability (mating) Contact pin captivation <table><tr><th>Full Detent</th><th>Smooth bore</th><th></th></tr><tr><td>3.5 typical</td><td>1.5 typical</td><td>lbs</td></tr><tr><td>5.0 typical</td><td>1.5 typical</td><td>lbs</td></tr><tr><td>≥ 100</td><td>≥ 1000</td><td></td></tr><tr><td colspan="3">≥ 1.5lbs</td></tr></table>		Full Detent	Smooth bore		3.5 typical	1.5 typical	lbs	5.0 typical	1.5 typical	lbs	≥ 100	≥ 1000		≥ 1.5lbs		
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Environmental Data Temperature range Thermal shock Moisture resistance Corrosion RoHS -65°C to +165°C MIL-STD-202, Method 107, Condition B MIL-STD-202, Method 106 MIL-STD-202, Method 101, Condition B Compliant																
Tooling Soldering gauge Locator tool ST-0.1 ST-011 Soldering fixture Insert for .047 semi-rigid cable ST-008 ST-047																

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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMPM8300-0047		DATE	2017/09/25	REV	—
A		B			
					
BODY		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT 0.1 MM GAGE ST-0.1 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".			
		Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-047 " 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	

SMPM8300-0047

