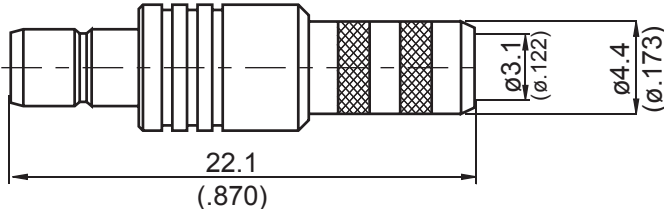


SMB8100-0142	SMB Jack Crimp For RG142,RG400 3.5GHz VSWR 1.2	50Ω																		
																				
<table><tr><th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr><tr><td>Ferrule</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Contact Pin</td><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>Barrel</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Body</td><td>Brass</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr></table>			Parts	Material	Plating (Micro-inch)	Ferrule	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		Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
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Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20																		
Weight: 2.91 g Suitable Cables: RG55, RG142, RG400																				

This part number complies with RoHS.

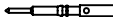
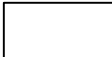
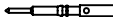
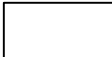
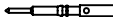
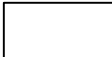
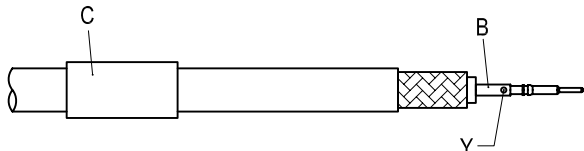
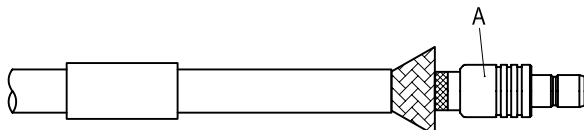
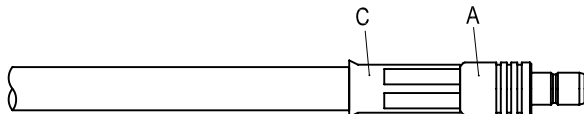
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMB	SMB8100-0142
Interface MIL-STD-348B Mechanically compatible with SMS	
Electrical Data Impedance 50Ω Frequency range DC to 3.5GHz VSWR ≤ 1.2 (DC to 3.5GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 5\text{m}\Omega$ Contact resistance outer conductor $\leq 2.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1000 V rms Working Voltage (at sea level) 335 V rms	
Mechanical Data Disengagement force 1.8 to 14.2 lbs Engagement force 1.8 to 14.2 lbs Contact captivation-axial ≥ 4 lbs Durability (mating) ≥ 500	
Environmental Data 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 Crimping tool CRT-1 or CRT-2 Crimp insert INSERT-B	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMB8100-0142		DATE	2017/03/27	REV	—									
<table><tr><td>A</td><td>B</td><td>C</td></tr><tr><td></td><td></td><td></td></tr><tr><td>BODY</td><td>CONTACT PIN</td><td>FERRULE</td></tr></table>						A	B	C				BODY	CONTACT PIN	FERRULE
A	B	C												
														
BODY	CONTACT PIN	FERRULE												
DIAGRAM			ASSEMBLY INSTRUCTION											
			Step 1: STRIP AS SHOWN.											
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.98mm/0.039inch SECTION OF INSERT-B IF CRIMPED)											
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.											
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)											
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.														
APPROVED		CHECKED		DRAWING										
				Albert										

SMB8100-0142

