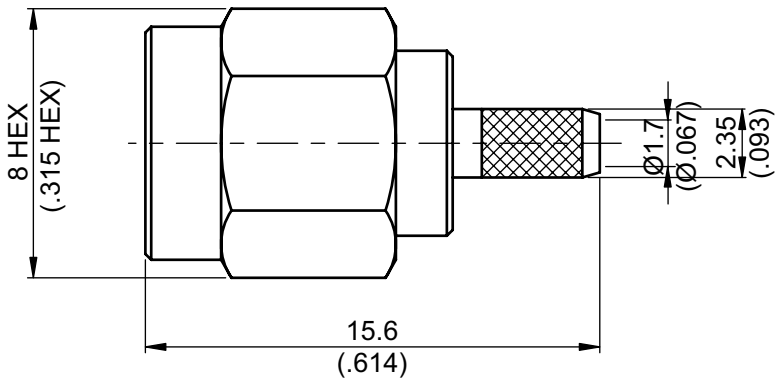


SMA3100-L100	SMA Plug Crimp For JBY100, LMR100 6GHz VSWR 1.2	50Ω																		
																				
<table border="1"> <thead> <tr> <th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr> </thead> <tbody> <tr> <td>Ferrule</td><td>Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> <tr> <td>Contact Pin</td><td>Brass</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> <tr> <td>Barrel</td><td>Brass</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>Brass</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20</td></tr> </tbody> </table>			Parts	Material	Plating (Micro-inch)	Ferrule	Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20	Contact Pin	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20	Barrel	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20	Insulator	Teflon		Body	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
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Suitable Cables: JBY100, LMR100A																				

This part number complies with RoHS.

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

SMA	SMA3100-L100
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (DC to 6GHz) Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 750 V rms Working voltage (at sea level) 250 V rms	
Mechanical Data Recommended coupling nut torque 4 inch lbs Coupling proof torque 5.3 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 100	
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-A Soldering gauge ST-0.4	

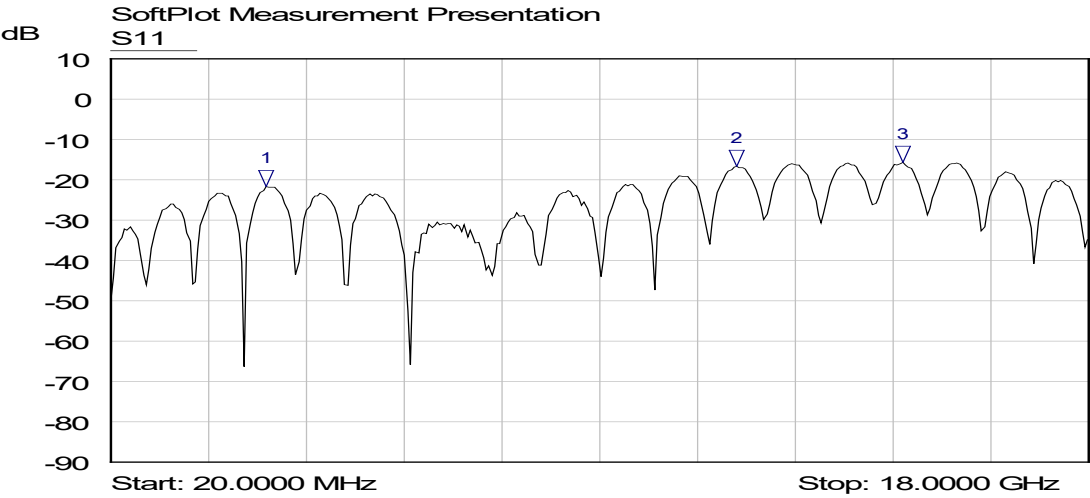
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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA3100-L100		DATE	2021/08/15	REV	—
A BODY B CONTACT PIN C FERRULE					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT 0.4 MM GAGE ST-0.4 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ". (USE SQUARE 0.98mm/0.039inch SECTION OF INSERT-A IF CRIMPED)		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA3100-L100



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	2.8721 GHz	-21.68 dB	
2 ▽	S11	11.5286 GHz	-16.69 dB	
3 ▽	S11	14.5809 GHz	-15.66 dB	