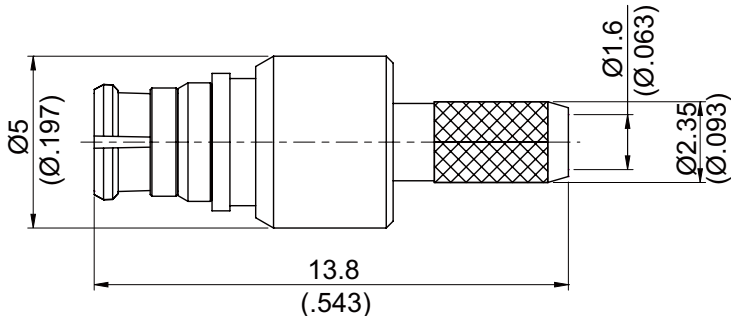


SMP8100-0316	SMP Jack Crimp For RG174,RG188,RG316 6Ghz VSWR1.2		50Ω																					
<div></div>																								
<table><tr><th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr><tr><td>Ferrule</td><td>Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper</td></tr><tr><td>Retainer Ring</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper</td></tr><tr><td>Contact Pin</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper</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</td></tr><tr><td>Contact Body</td><td>Beryllium Copper</td><td>Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper</td></tr></table>				Parts	Material	Plating (Micro-inch)	Ferrule	Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper	Retainer Ring	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper	Contact Pin	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper	Insulator	Teflon		Body	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper	Contact Body	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper
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Weight: Suitable Cables:RG316,RG174,RG188,RG316-E,RG316-FEP																								

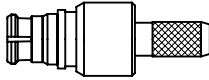
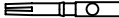


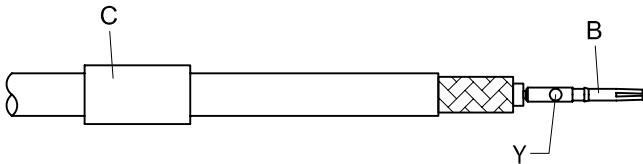
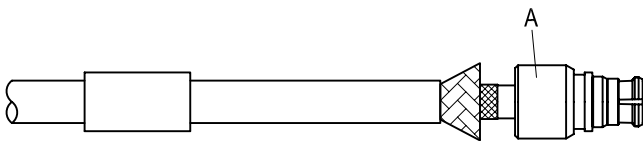
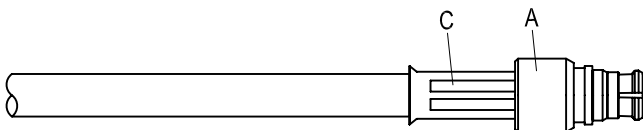
This part number complies with RoHS.

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

SMP		SMP8100-0316			
Interface		MIL-STD-348B			
Electrical Data		Impedance 50Ω Frequency range DC to 6GHz VSWR $\leq 1.2$ (6GHz) 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)			
Mechanical Data		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		$\pm 0.25 (0.010), \text{min}$			
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			

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

SMP8100-0316		DATE	2015/09/01	REV	—
<div><div>A</div><div>B</div><div>C</div><div></div><div></div><div></div><div><div>BODY</div><div>CONTACT PIN</div><div>FERRULE</div></div></div>					
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 0.7mm/0.028inch 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	