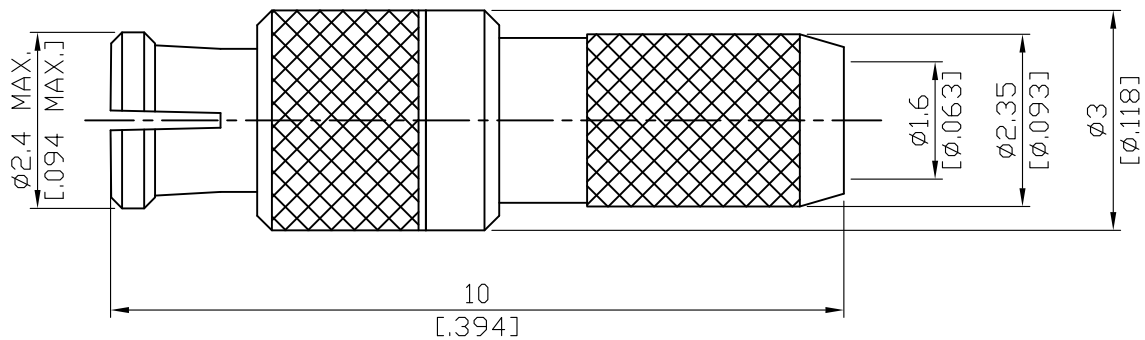


SMPM8100-0316

SMPM Jack Crimp For RG174, RG188, RG316
6GHz VSWR 1.2

50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Suitable Cables: RG174, RG188, RG316, RG316-FEP, RG316-LSFH

This part number complies with RoHS.

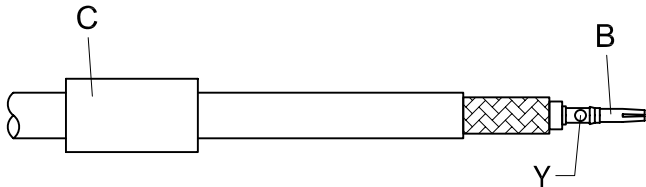
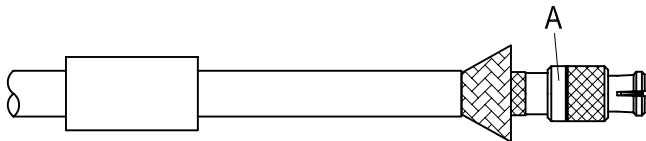
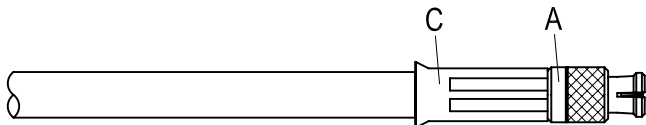
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMPM		SMPM8100-0316		
Interface		MIL-STD-348B		
Electrical Data		Impedance 50Ω Frequency range DC to 6GHz VSWR ≤ 1.2 (DC to 6GHz) Insertion loss $\leq 0.1 \times \sqrt{f(\text{GHz})}$ 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) 325		
Mechanical Data		Full Detent	Smooth bore	
Engagement force		3.5 typical	1.5 typical	lbs
Disengagement force		5.0 typical	1.5 typical	lbs
Durability (mating)		≥ 100	≥ 1000	
Contact pin captivation		$\geq 1.5\text{lbs}$		
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		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMPM8100-0316		DATE	2016/07/20	REV	—
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 IN " Y ".		
			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	