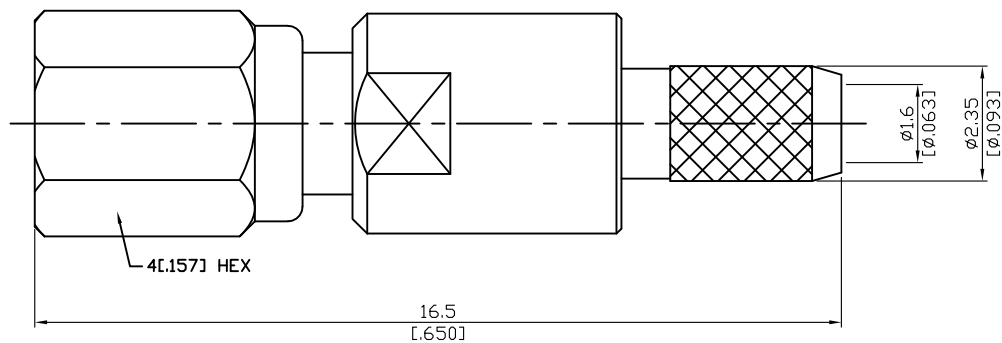


SSMC3100-0316

SSMC plug crimp for RG174,RG188,RG316;
10GHz VSWR 1.25

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	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

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

This part number complies with RoHS.

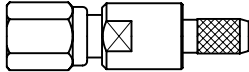
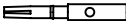
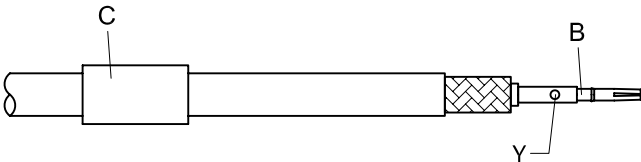
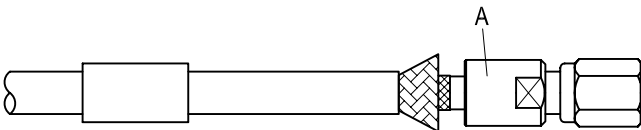
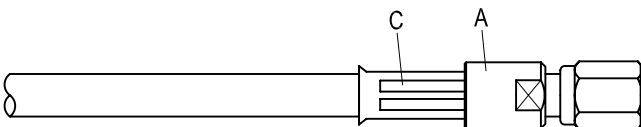
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SSMC	SSMC3100-0316
Electrical Data	
Impedance	50Ω
Frequency range	DC to 10GHz
VSWR	≤ 1.25 (DC to 10GHz)
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 10000MΩ
Contact resistance inner conductor	≤ 5mΩ
Contact resistance outer conductor	≤ 2.5mΩ
Dielectric withstanding voltage (at sea level)	500 V rms
Working voltage (at sea level)	175 V rms
RF- leakage	≥ 70dB to 1GHz
Mechanical Data	
Recommended coupling nut torque	1.8 to 2 inch lbs
Coupling proof torque	2.6 inch lbs
Coupling nut retention force	≥ 22.5 lbs
Contact captivation-axial	≥ 1.8 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-A

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SSMC3100-0316		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	

SSMC3100-0316

S11

