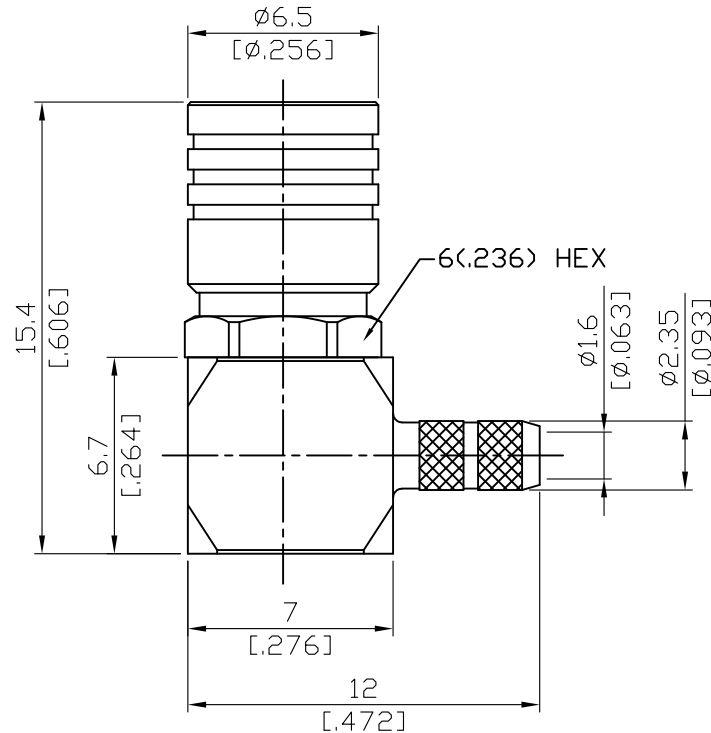


SMB31CO-9316

SMB Plug Crimp Right Angle
For RG174,RG188,RG316; 3GHz VSWR 1.2 50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
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

This part number complies with RoHS.

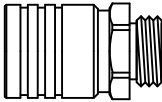
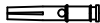
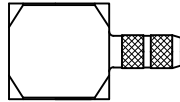
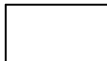
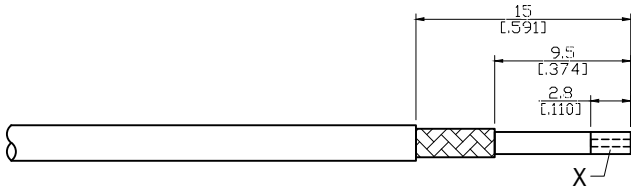
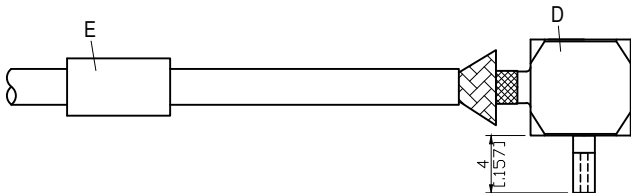
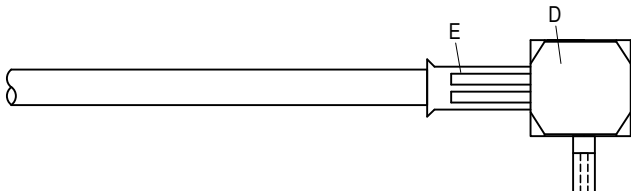
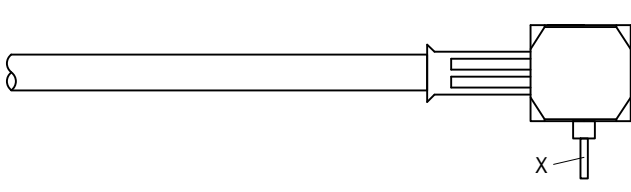
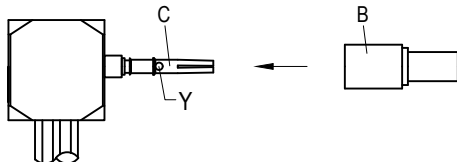
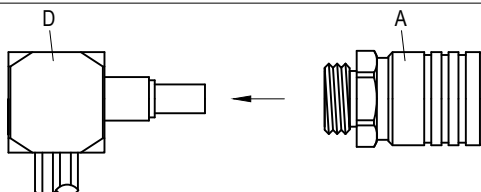
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMB	SMB31CO-9316
Interface MIL-STD-348B Mechanically compatible with SMS	
Electrical Data Impedance 50Ω Frequency range DC to 3GHz VSWR ≤ 1.2 (DC to 3GHz) 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-A	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMB31CO-9316		DATE	2016/07/20	REV	—
A	B	C	D	E	
					
BODY	INSULATOR	CONTACT PIN	BODY	FERRULE	
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN. ※ DO NOT REMOVE SECTION X OF DIELECTRIC.		
			Step 2: SLIDE FERRULE " E " OVER CABLE. Step 3: LOOSEN OUT BRAID AND INSERT CABLE IN CONNECTOR BODY " D " UNTIL THE INNER CONDUCTOR OF THE CABLE PROTRUDES 4MM.		
			Step 4: SLIDE FERRULE " E " TOWARDS THE BODY " D " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)		
			Step 5: REMOVE SECTION X OF DIELECTRIC.		
			Step 6: SLIDE CONTACT PIN " C " OVER CABLE'S CENTER CONDUCTOR UNTIL IT REACHES THE CABLE DIELECTRIC AND SOLDER " Y ". Step 7: SLIDE INSULATOR " B " OVER CONNECTOR PIN " C ".		
			Step 8: SCREW BODY " A " AND " D " TOGETHER.		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMB31CO-9316

S11

