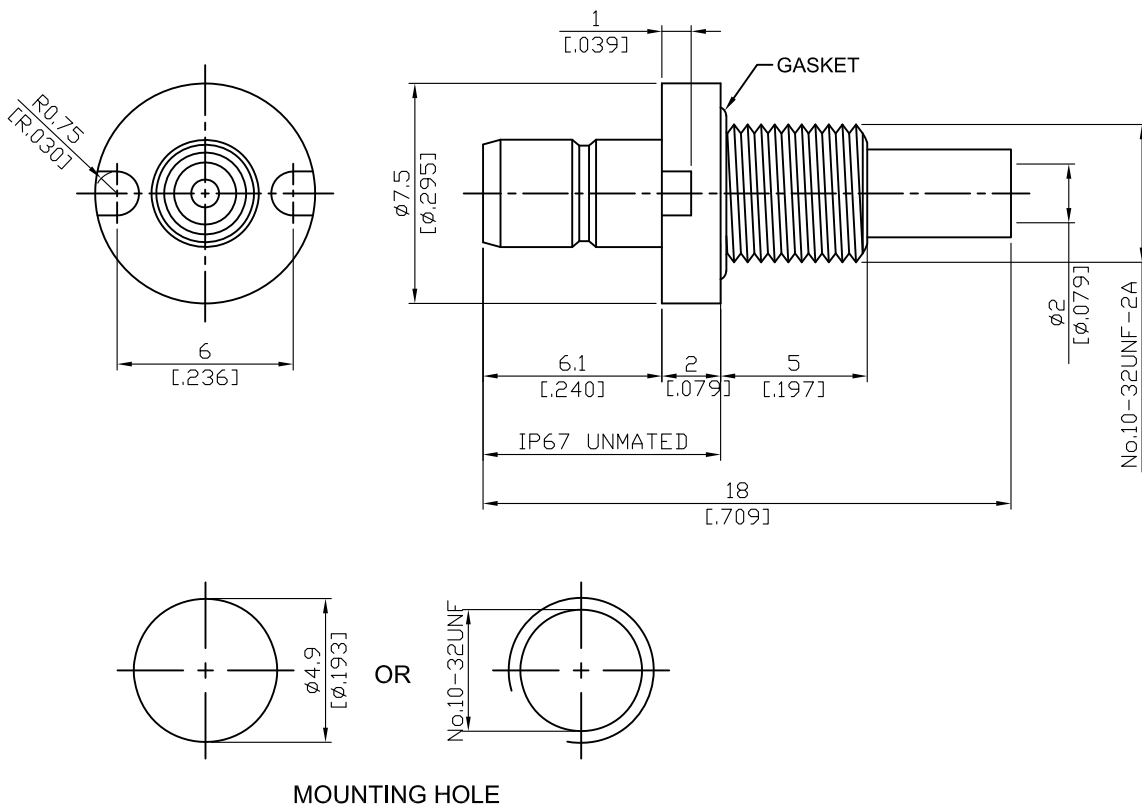


SMB8105B-0178/HS

SMB Jack Crimp Bulkhead For RG178,RG178-FEP
IP67 Unmated; 4GHz VSWR 1.2

50Ω



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

Suitable Cables: RG178; RG178-FEP

This part number complies with RoHS.

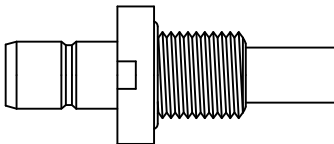
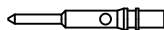
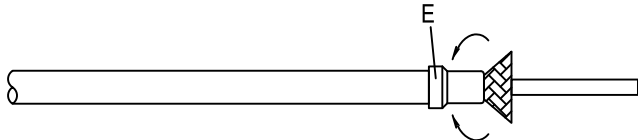
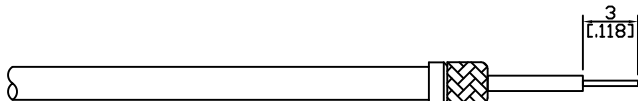
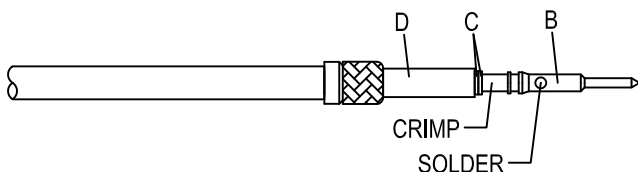
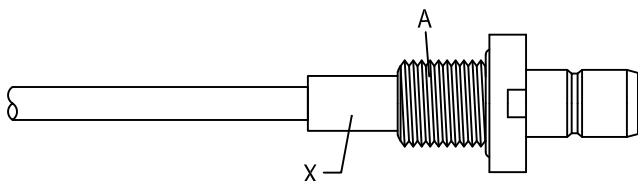
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMB	SMB8105B-0178/HS
Interface MIL-STD-348B Mechanically compatible with SMS	
Electrical Data Impedance 50Ω Frequency range DC to 4GHz VSWR ≤ 1.2 (DC to 4GHz) 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) 750 V rms Working Voltage (at sea level) 250 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

SMB8105B-0178/HS		DATE	2017/03/27	REV	—
A	B	C	D	E	
					
BODY + GASKET	CONTACT PIN	INSULATOR (x2)	FERRULE	FERRULE	
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE FERRULE " E " OVER CABLE. Step 3: WRAP THE BRAIDING OVER " E ".			
		Step 4: STRIP AS SHOWN.			
		Step 5: SLIDE PREPARED CABLE INTO FERRULE " D " AND INSULATOR " C ". Step 6: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP. (USE SQUARE 0.70mm/0.028inch SECTION OF INSERT-A IF CRIMPED)			
		Step 7: PUT PREPARED CABLE INTO CONNECTOR BODY " A " AND CRIMP IN " X ". (USE 2.55mm/0.100inch 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	

SMB8105B-0178/HS

S11

