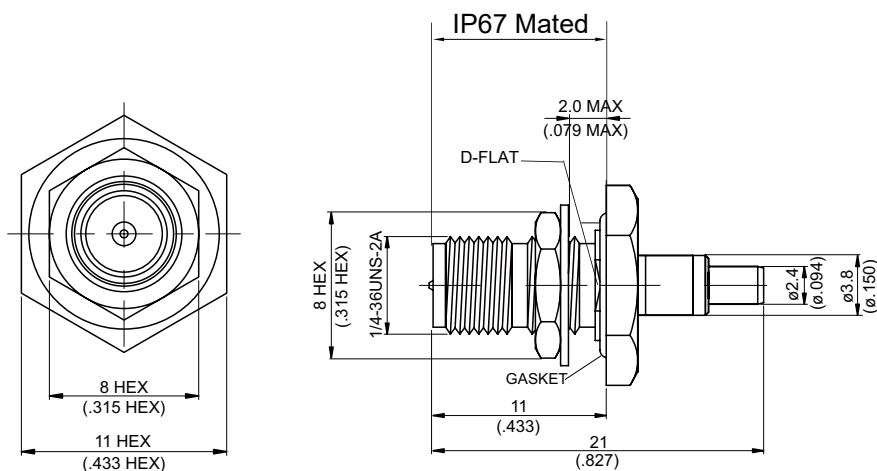


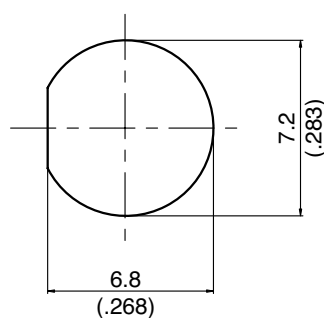
SMA8305A-0178

SMA Jack Crimp Bulkhead For RG178,RG178-FEP
IP67 mated; 2.5GHz VSWR 1.2

50Ω



MOUNTING HOLE



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Nut	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Hex Nut	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Lock Washer	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Gasket	Silicone	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel Phosphorous Alloy 80 Over Copper 20

Suitable Cables: RG178,RG178-FEP,RG196

This part number complies with RoHS.

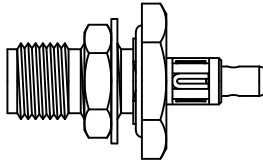
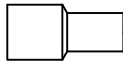
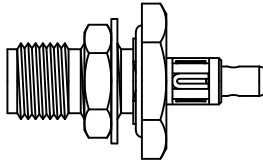
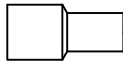
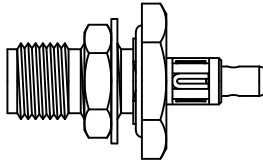
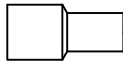
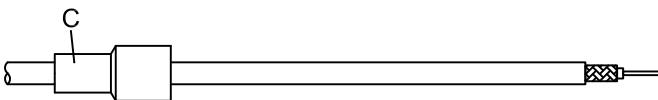
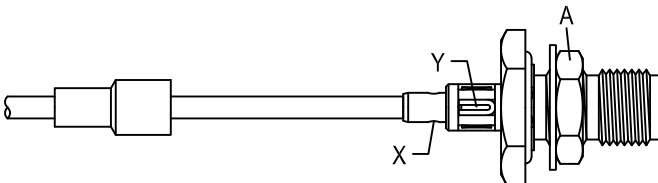
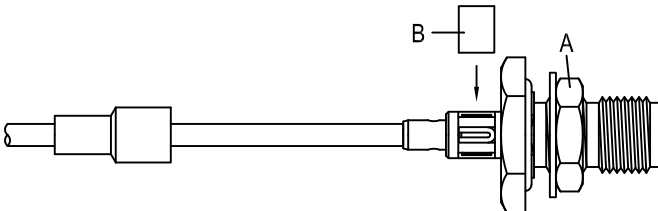
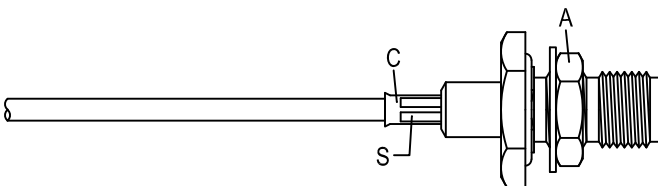
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8305A-0178
Interface Per JYEBAO SMA Reverse Polarity Jack derived from MIL-STD-348B	
Electrical Data Impedance 50Ω Frequency range DC to 2.5GHz VSWR ≤ 1.2 (DC to 2.5GHz) Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 750 V rms Working voltage (at sea level) 250 V rms	
Mechanical Data Recommended coupling nut torque 4 inch lbs Coupling proof torque 5.3 inch lbs Contact Captivation-axial ≥ 6.1 lbs Durability (mating) ≥ 100	
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

SMA8305A-0178		DATE	2014/04/29	REV	—									
<table><tr><td>A</td><td>B</td><td>C</td></tr><tr><td></td><td></td><td></td></tr><tr><td>BODY + GASKET + WASHER + HEX NUT</td><td>COVER</td><td>FERRULE</td></tr></table>						A	B	C				BODY + GASKET + WASHER + HEX NUT	COVER	FERRULE
A	B	C												
														
BODY + GASKET + WASHER + HEX NUT	COVER	FERRULE												
DIAGRAM			ASSEMBLY INSTRUCTION											
			Step 1: STRIP AS SHOWN. Step 2: TIN DIP.											
			Step 3: SLIDE FERRULE "C" OVER CABLE .											
			Step 4: SLIDE CABLE INTO CONNECTOR BODY "A" AND SOLDER IN "X" AND "Y".											
			Step 5: PUT COVER "B" ON BODY "A" .											
			Step 6: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP IN "S". (USE 2.7mm/0.106inch 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										

SMA8305A-0178

