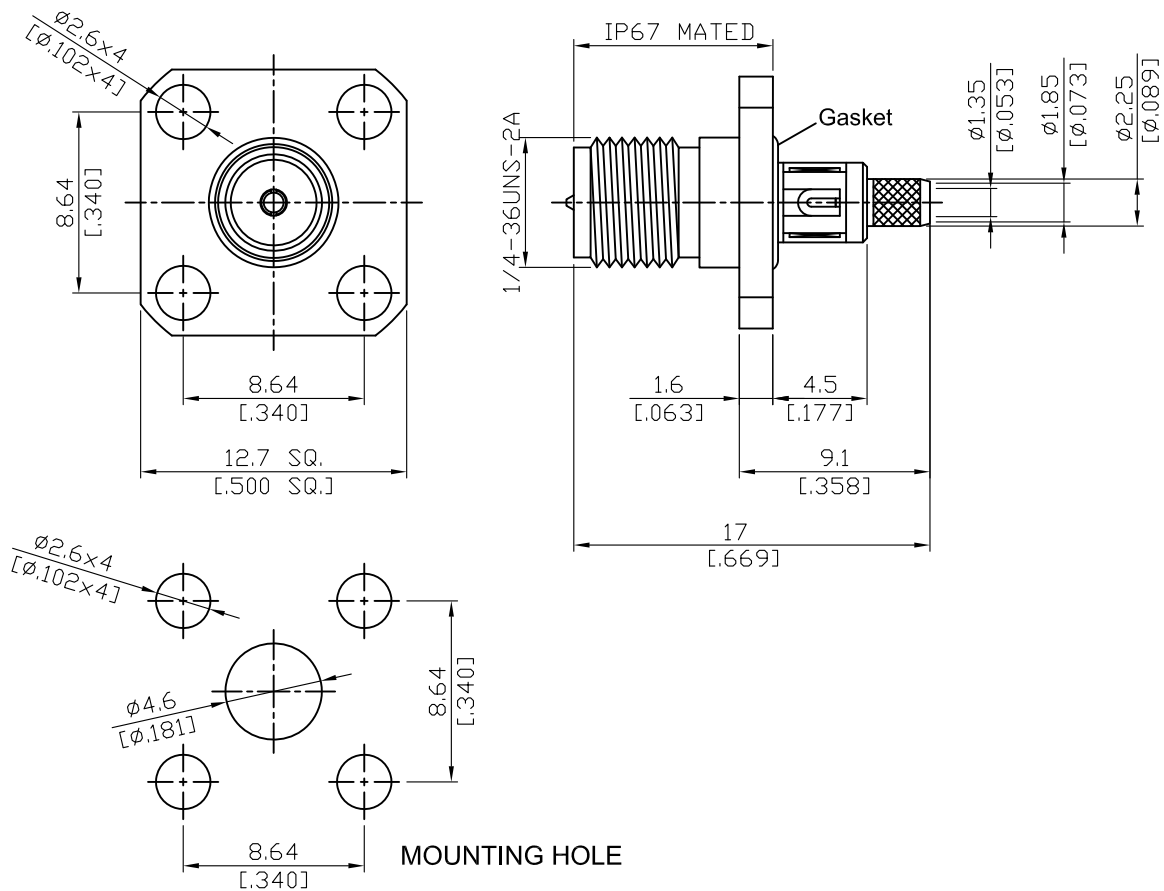


SMA9146A-0178

SMA Reverse Polarity Jack Crimp SQ 12.7mm Flange,
IP67 Mated, For RG178; 2GHz 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
Cover	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

This part number complies with RoHS.

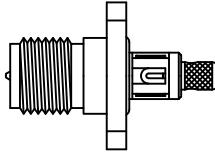
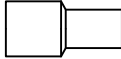
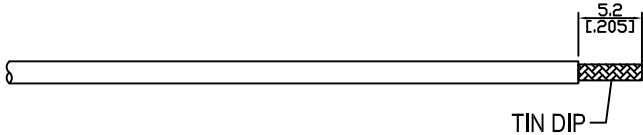
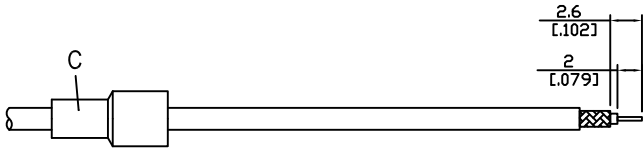
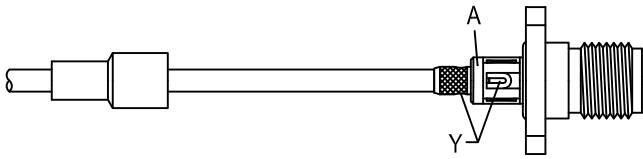
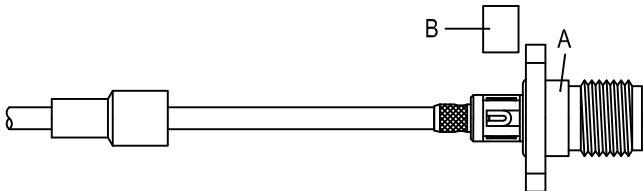
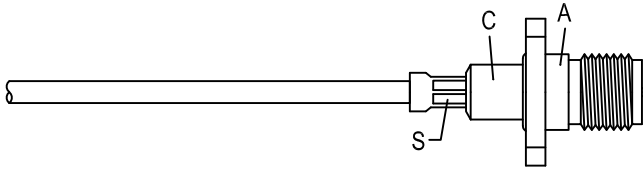
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA9146A-0178
Interface Per JYEBAO SMA Jack Reverse Polarity derived from MIL-STD-348B	
Electrical Data	
Impedance	50Ω
Frequency range	DC to 2GHz
VSWR	≤ 1.2 (DC to 2GHz)
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

SMA9146A-0178		DATE	2020/11/15	REV	—
A		B	C		
					
BODY + GASKET		COVER	FERRULE		
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN. Step 2: TIN DIP.			
		Step 3: SLIDE FERRULE " C " OVER CABLE. Step 4: STRIP AS SHOWN.			
		Step 5: INSERT CABLE'S CENTER CONDUCTOR INTO CONNECTOR BODY " A " AND SOLDER IN " Y ".			
		Step 6: PUT COVER " B " ON CONNECTOR BODY " A ".			
		Step 7: 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	

SMA9146A-0178

