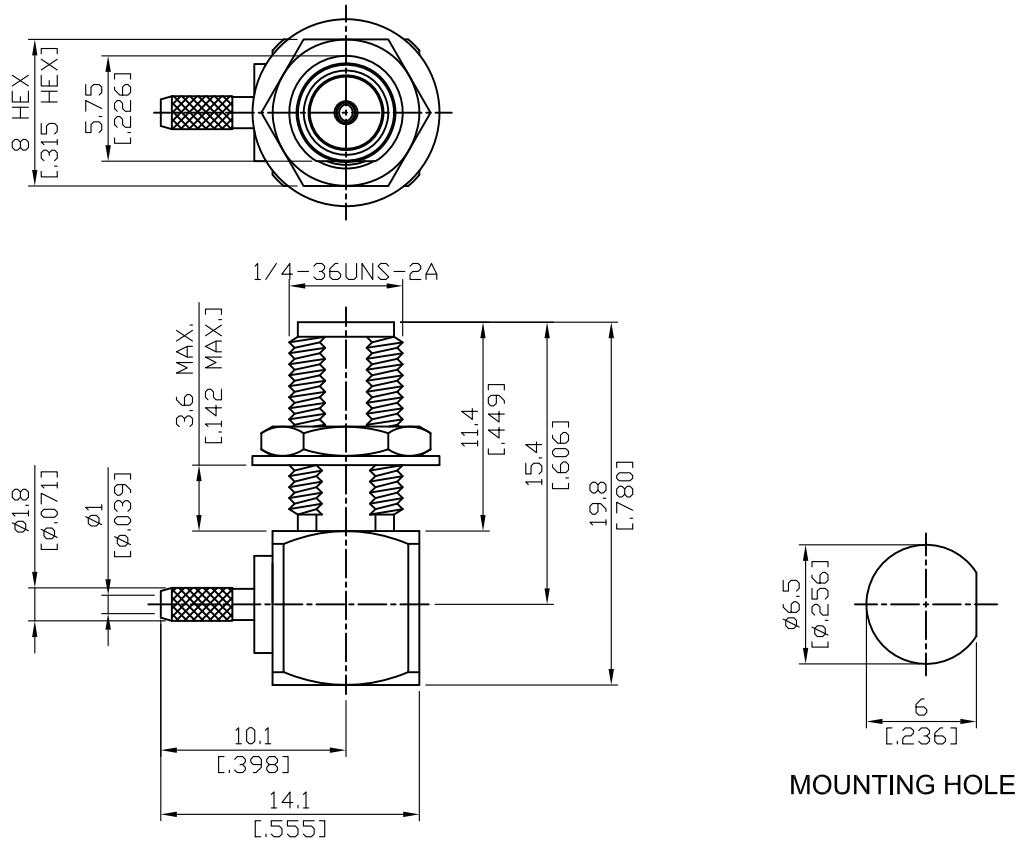


SMA8105-9178/W

SMA Jack Crimp Bulkhead Right Angle  
For RG178, RG178-FEP; 1.7GHz VSWR 1.2 50Ω



Parts	Material	Plating ( Micro-inch )
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Cover	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Hex Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Lock Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: RG178, RG178-FEP

This part number complies with RoHS.

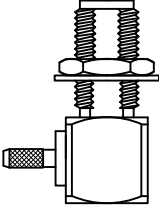





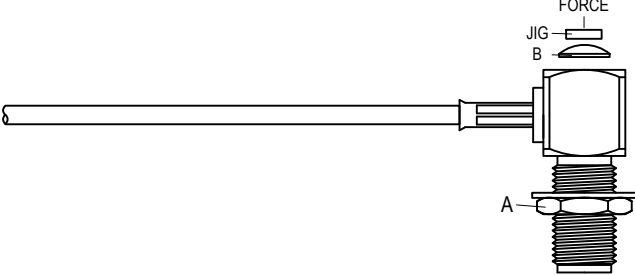
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA8105-9178/W
<b>Interface</b>	
MIL-STD-348B	
Mechanically compatible with	2.92 & 3.5
<b>Electrical Data</b>	
Impedance	50Ω
Frequency range	DC to 1.7GHz
VSWR	≤ 1.2 (DC to 1.7GHz)
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5000MΩ
Contact resistance inner conductor	≤ 3mΩ
Contact resistance outer conductor	≤ 2mΩ
Dielectric withstanding voltage (at sea level)	750 V rms
Working voltage (at sea level)	250 V rms
<b>Mechanical Data</b>	
Recommended coupling nut torque	4 inch lbs
Coupling proof torque	5.3 inch lbs
Coupling nut retention force	≥ 60.7 lbs
Contact Captivation-axial	≥ 6.1 lbs
Durability (mating)	≥ 100
<b>Environmental Data</b>	
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
<b>Tooling</b>	
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

SMA8105-9178/W	DATE	2016/07/20	REV	—
<p style="text-align: center;">A</p>  <p style="text-align: center;">BODY + WASHER + HEX NUT</p>	<p style="text-align: center;">B</p>  <p style="text-align: center;">COVER</p>	<p style="text-align: center;">C</p>  <p style="text-align: center;">FERRULE</p>		
DIAGRAM	ASSEMBLY INSTRUCTION			
	<p>Step 1: STRIP AS SHOWN.</p>			
	<p>Step 2: SLIDE FERRULE " C " OVER CABLE.            Step 3: WRAP THE BRAIDING UPWARDS.            Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".</p>			
	<p>Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.            (USE 2.7mm/0.106inch HEX SECTION OF INSERT-A)</p>			
	<p>Step 6: PRESS ON THE TOP OF " B " WITH JIGS.</p>			
<p>This part number complies with RoHS.            Notice: JYEBAO reserves the right to make modifications deemed appropriate.</p>				
APPROVED	CHECKED	DRAWING		
				<i>Albert</i>