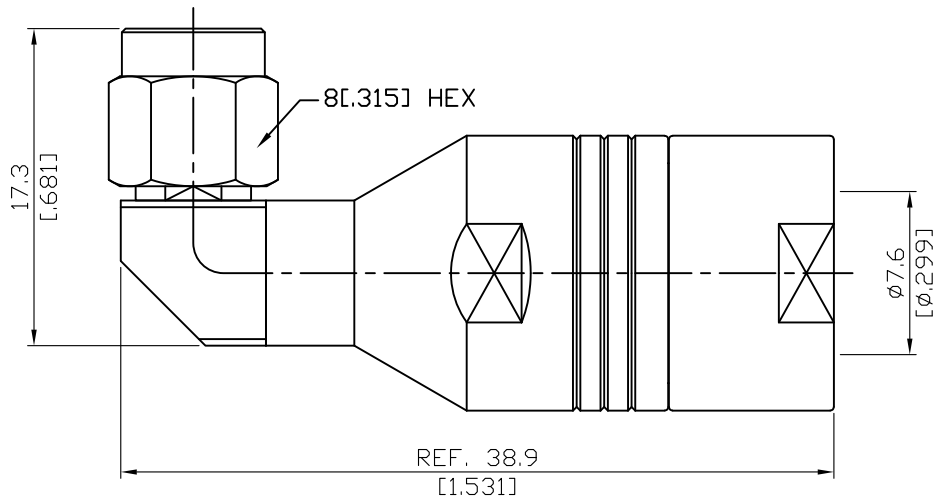


SMA3200S-MLA290

SMA Plug Solder Clamp Right Angle  
For LA290; 18GHz VSWR1.35

50Ω



**Note:**

1. Precision connector up to 18GHz.
2. Solder clamp design ensures a sturdy connector/cable connection.
3. Manufacturing low loss high frequency RF assemblies requires expertise.

Parts	Material	Plating ( Micro-inch )
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated
Solder Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Clamp Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: LA290

This part number complies with RoHS.

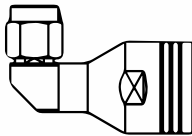



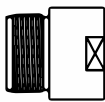
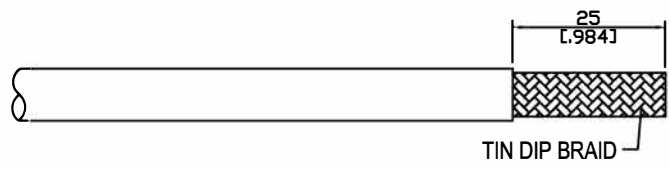
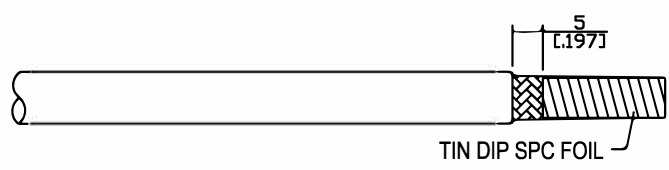
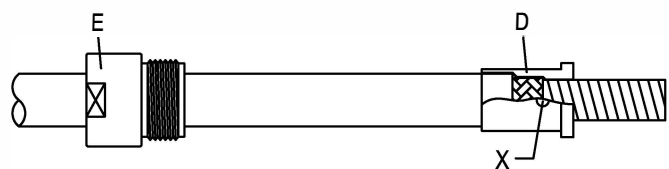
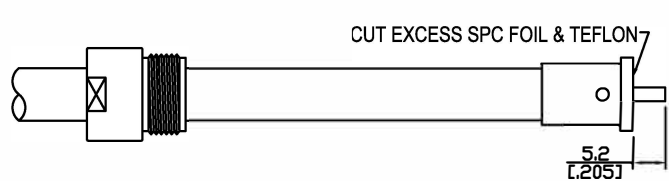
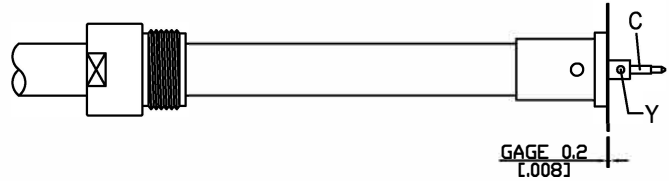
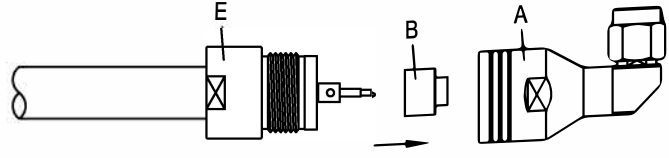
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA3200S-MLA290
<div data-bbox="167 344 568 389" style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B Mechanically compatible with 2.92 &amp; 3.5</p>	
<div data-bbox="167 512 568 557" style="border: 1px solid black; padding: 2px;">Electrical Data</div> <p>Impedance 50Ω Frequency range DC to 18GHz VSWR <math>\leq 1.35</math> (DC to 18GHz) Insertion loss <math>\leq 0.04 \times \sqrt{f(\text{GHz})}</math> dB Insulation resistance <math>\geq 5000\text{M}\Omega</math> Contact resistance inner conductor <math>\leq 3\text{m}\Omega</math> Contact resistance outer conductor <math>\leq 2\text{m}\Omega</math> Dielectric withstanding voltage (at sea level) 1000 V rms Working voltage (at sea level) 335 V rms</p>	
<div data-bbox="167 1057 568 1102" style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <p>Recommended coupling nut torque 7 to 9.5 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force <math>\geq 60.7</math> lbs Contact Captivation-axial <math>\geq 6.1</math> lbs Durability (mating) <math>\geq 500</math></p>	
<div data-bbox="167 1413 568 1458" style="border: 1px solid black; padding: 2px;">Environmental Data</div> <p>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</p>	
<div data-bbox="167 1765 568 1809" style="border: 1px solid black; padding: 2px;">Tooling</div> <p>Soldering gauge ST-0.2</p>	

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY RECOMMENDATION

SMA3200S-MLA290	DATE	2020/05/07	REV	—
A	B	C	D	E
				
BODY	FERRULE	CONTACT PIN	SOLDER FERRULE	CLAMP NUT
DIAGRAM		ASSEMBLY INSTRUCTION		
		Step 1: STRIP AS SHOWN AND TIN DIP SPC BRAID.		
		Step 2: STRIP AS SHOWN AND TIN DIP SPC FOIL.		
		Step 3: SLIDE NUT " E " AND SOLDER FERRULE " D " OVER THE CABLE. Step 4: SOLDER IN " X " .		
		Step 5: CUT AWAY ANY EXCESS SPC FOIL AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.		
		Step 7: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " C " AND SOLDER IN " Y " .		
		Step 8: SLIDE FERRULE " B " INTO CONNECTOR BODY " A " . Step 9: FINALLY SCREW NUT " E " ON THE CONNECTOR BODY " A " .		

This part number complies with RoHS.

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

APPROVED

CHECKED

DRAWING

*Albert*