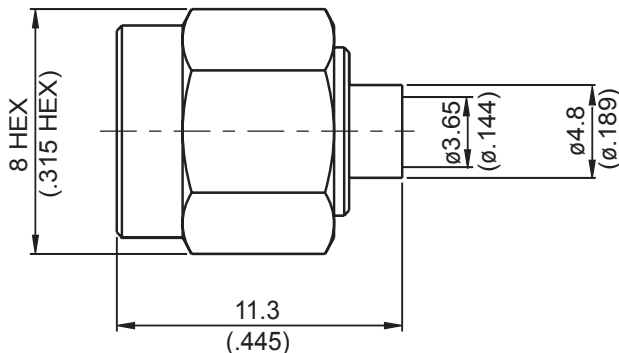


SMA33SND-0141	SMA Plug Solder Without Insulator/Pin For RG402; 18GHz VSWR 1.2	50Ω															
																	
<table><tr><th>Parts</th><th>Material</th><th>Plating (Micro-inch)</th></tr><tr><td>Renber Ring</td><td>Beryllium Copper</td><td>Tin-Zinc-Copper-Alloy 100 Over Copper 50</td></tr><tr><td>Gasket</td><td>Silicon</td><td></td></tr><tr><td>Body</td><td>Stainless</td><td>Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20</td></tr><tr><td>Coupling Nut</td><td>Stainless</td><td>Passivated</td></tr></table>			Parts	Material	Plating (Micro-inch)	Renber Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50	Gasket	Silicon		Body	Stainless	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20	Coupling Nut	Stainless	Passivated
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Gasket	Silicon																
Body	Stainless	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20															
Coupling Nut	Stainless	Passivated															
Weight: 2.21 g Suitable Cables: Semi-rigid.141																	

This part number complies with RoHS.

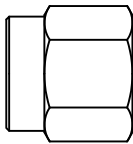
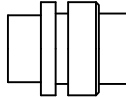
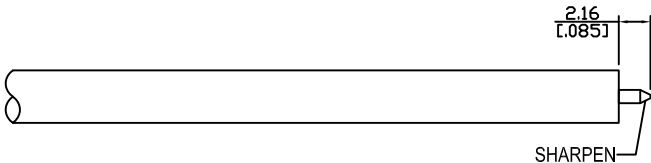
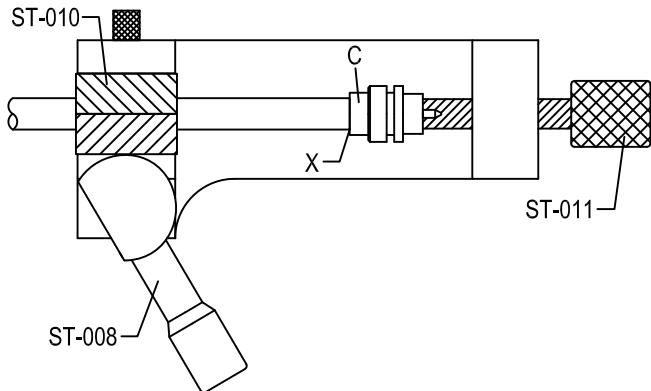
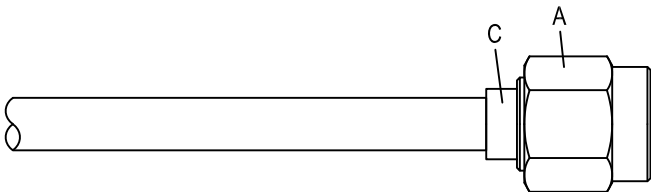
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA33SND-0141
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 18GHz VSWR ≤ 1.2 (DC to 18GHz) 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) 1500 V rms Working voltage (at sea level) 500 V rms	
Mechanical Data Recommended coupling nut torque 7 to 9.5 inch lbs Coupling proof torque 15 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact Captivation-axial ≥ 6.1 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 Locator tool ST-011 Soldering fixture ST-008 Insert for .141inch semi-rigid cable ST-010	

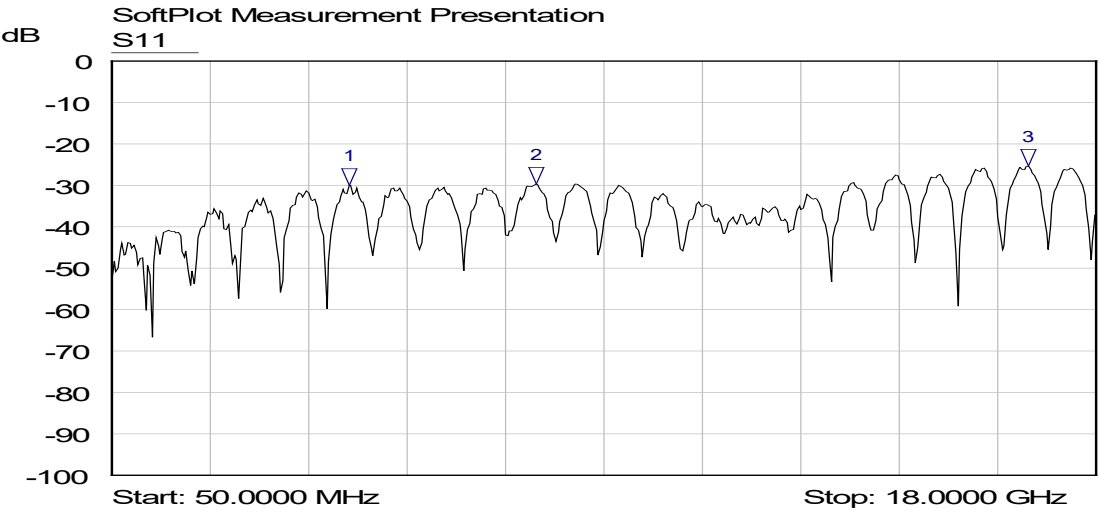
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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA33SND-0141		DATE	2017/12/01	REV	—
A		B		C	D
					
SHELL		RETAINER RING		BODY	GASKET
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN. Step 2: SHARPEN CENTER CONDUCTOR TIP.		
			Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-010 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".		
			Step 4: CUT AWAY ANY EXCESS TEFLON AFTER SOLDERING. Step 5: CLIP RETAINER RING " B " AND GASKET " D " ONTO THE BACK OF CONNECTOR BODY " C ".		
			Step 6: PUT SHELL " A " ONTO CONNECTOR BODY " C ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA33SND-0141



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S11	4.3749 GHz	-29.93 dB	
2 ▾	S11	7.7835 GHz	-29.61 dB	
3 ▾	S11	16.7632 GHz	-25.38 dB	