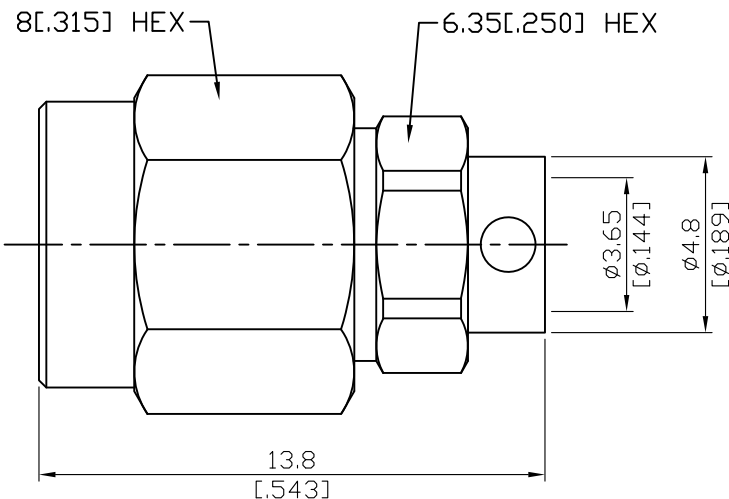


SMA33ATQ-0141

Snap On SMA Plug Solder For RG402
18GHz VSWR 1.2; 27GHz VSWR 1.35

50Ω



Note: Snap on design without locking mechanism

Parts	Material	Plating (Micro-inch)
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut	Stainless Steel	Passivated

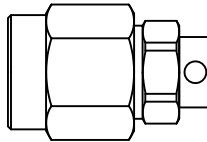
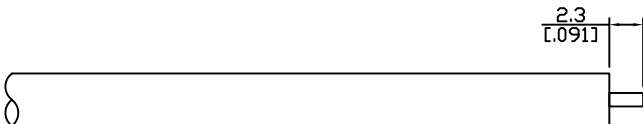
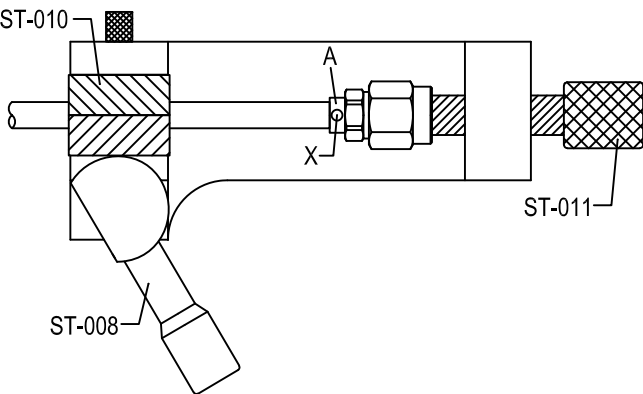
Suitable Cables: semi-rigid.141

SMA		SMA33ATQ-0141	
Interface			
Per JYEBAO Snap On SMA Plug			
Mechanically compatible with		2.92 & 3.5	
Electrical Data			
Impedance	50Ω		
Frequency range	DC to 18GHz		
VSWR	≤ 1.2 (18GHz); ≤ 1.35 (27GHz)		
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)	1500 V rms		
Working voltage (at sea level)	500 V rms		
Mechanical Data			
Recommended coupling nut torque	Not applicable		
Coupling proof torque	Not applicable		
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			
Soldering gauge	ST-005	Soldering fixture	ST-008
Locator tool	ST-011	Insert for .141 semi-rigid cable	ST-010

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA33ATQ-0141		DATE	2018/11/05	REV	—
A		B			
					
BODY		CONTACT PIN			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: PUT 0.25 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " C " AND SOLDER IN " Y ".			
		Step 3: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-010 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ".			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA33ATQ-0141

