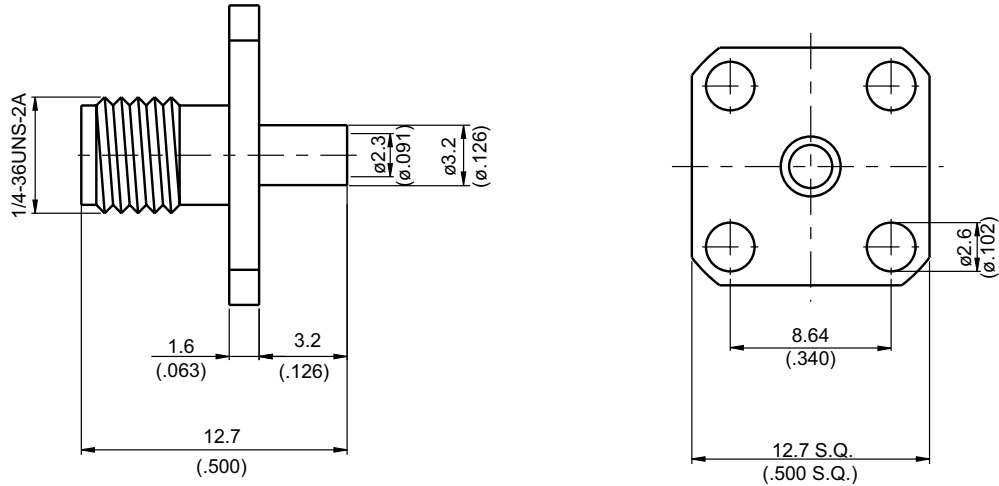
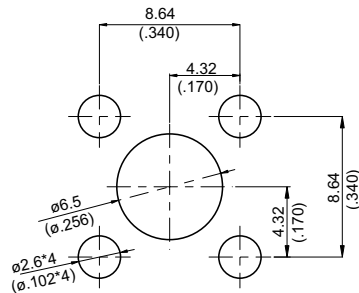


SMA8346-0085

SMA Jack Solder SQ 12.7mm 4 Hole Flange For 50Ω
RG405; 18GHz VSWR 1.25, 27GHz VSWR 1.35



MOUNTING HOLE :

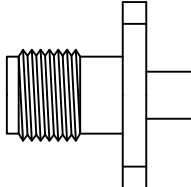
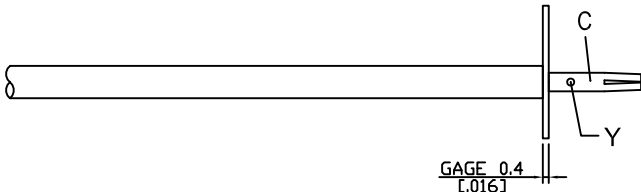
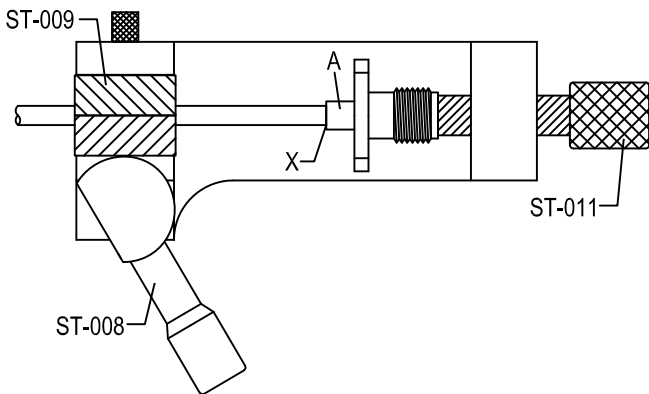
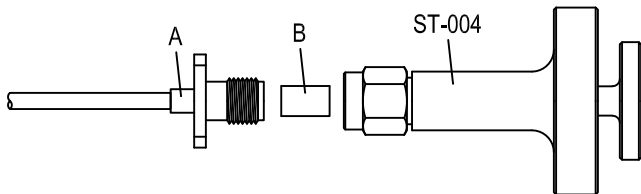


Parts	Material	Plating (Micro-inch)
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

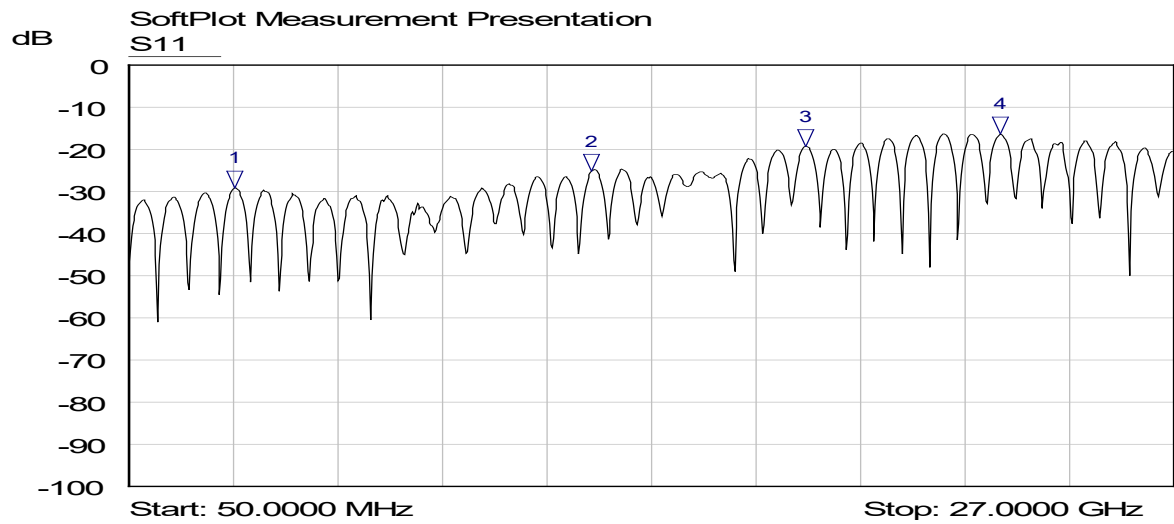
Weight: 2.64 g
 Suitable Cables: Semi-rigid.085

SMA	SMA8346-0085
Interface MIL-STD-348B Mechanically compatible with 2.92 & 3.5	
Electrical Data Impedance 50Ω Frequency range DC to 27GHz VSWR ≤ 1.25 (18GHz); ≤ 1.35 (27GHz) 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) 1000 V rms Working voltage (at sea level) 335 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 Soldering gauge ST-0.4 Soldering fixture ST-008 Insert for .085inch semi-rigid cable ST-009 Locator tool ST-011 Dielectric insertion tool ST-004	

CABLE ASSEMBLY INSTRUCTION

SMA8346-0085		DATE	2017/12/01	REV	—
A  BODY B  INSULATOR C  CONTACT PIN					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: PUT 0.4 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-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X " .		
			Step4: USE DIELECTRIC INSERTION TOOL " ST-004 " TO INSERT THE TEFLON " B " .		
This part number complies with RoHS.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA8346-0085



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S11	2.7780 GHz	-29.23 dB	
2 ▽	S11	11.9811 GHz	-25.19 dB	
3 ▽	S11	17.4971 GHz	-19.28 dB	
4 ▽	S11	22.5333 GHz	-16.32 dB	

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