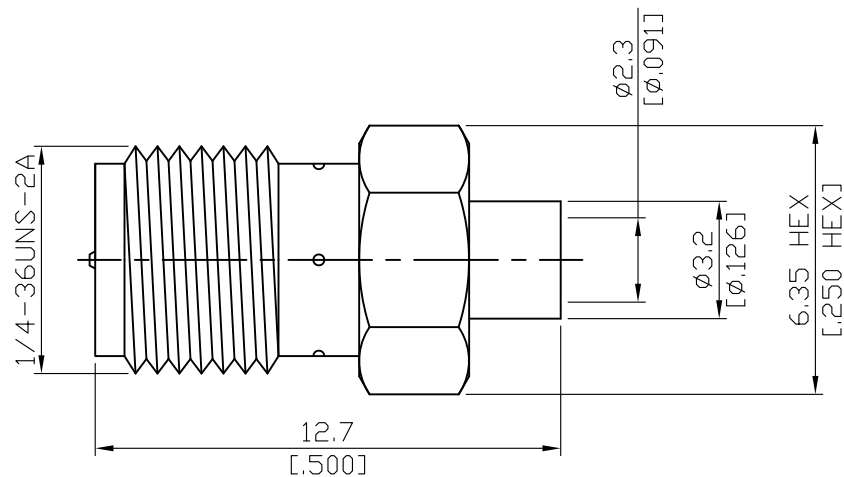


SMA9300-0085

SMA reverse polarity jack solder
For RG405; 6GHz VSWR 1.2

50Ω



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

Suitable Cables: .085 Semi-Rigid, .085 Formable, RG405

This part number complies with RoHS.

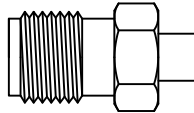
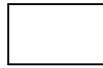
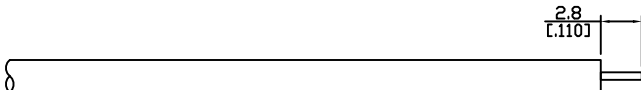
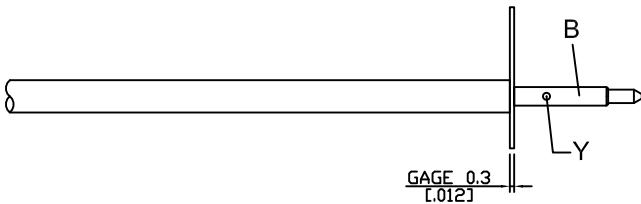
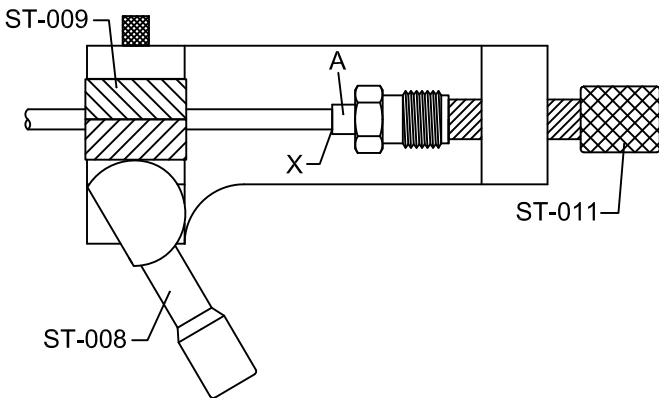
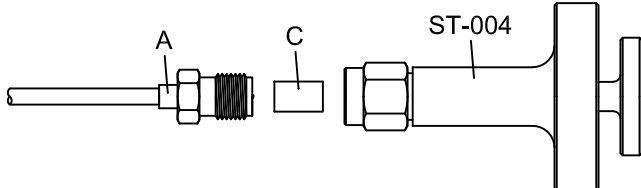
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMA	SMA9300-0085
Interface Per JYEBAO SMA Reverse Polarity Jack derived from MIL-STD-348B	
Electrical Data	
Impedance	50Ω
Frequency range	DC to 6GHz
VSWR	≤ 1.2 (DC to 6GHz)
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)	1000V rms
Working voltage (at sea level)	335V 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-0.3
Locator tool	ST-011
Soldering fixture	ST-008
Insert for .085 semi-rigid cable	ST-009
Dielectric insertion tool	ST-004

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMA9300-0085		DATE	2016/07/20	REV	—
A B C    BODYCONTACT PININSULATOR					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: PUT 0.3 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " 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 " C ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMA9300-0085

S11

