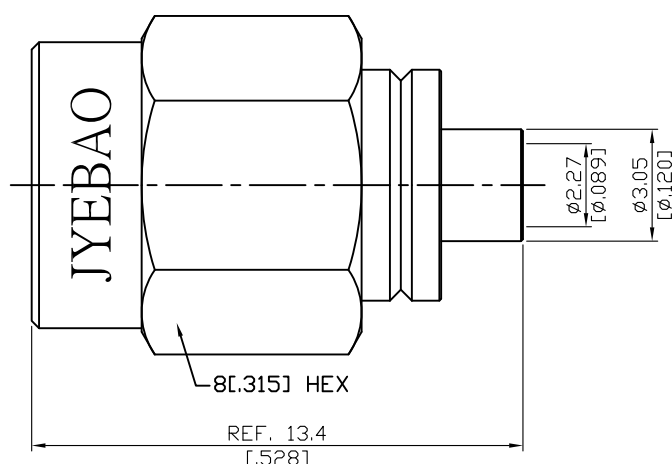


2.4-3300A-0085

2.4mm Plug Solder For RG405
50GHz VSWR 1.25

50Ω



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	PPO	
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Coupling Nut	Stainless Steel	Passivated

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

This part number complies with RoHS.

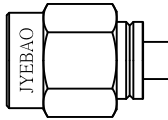
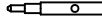
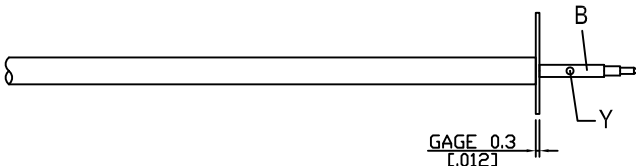
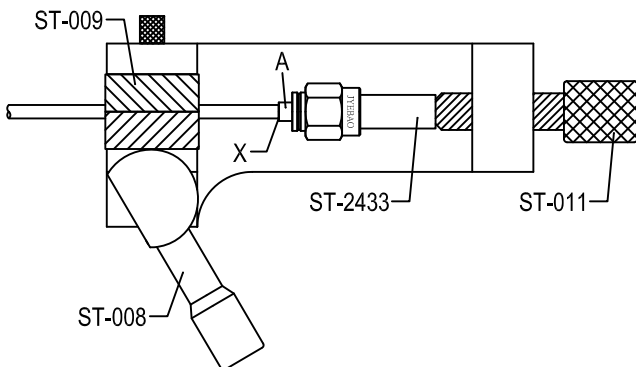
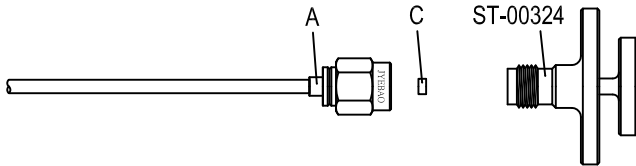
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

2.4	2.4-3300A-0085
Interface MIL-STD-348B Mechanically compatible with 1.85	
Electrical Data Impedance 50Ω Frequency range DC to 50GHz VSWR ≤ 1.25 (DC to 50GHz) Insertion loss $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 4\text{m}\Omega$ Contact resistance outer conductor $\leq 2.5\text{m}\Omega$ Dielectric withstanding voltage (sea level) 500V rms Working voltage (sea level) 150V rms RF leakage $\geq 100\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 7.08 to 9.74 inch lbs Coupling proof Torque 15 inch lbs Coupling nut retention force ≥ 60.7 lbs Contact captivation-axial ≥ 4.5 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -55°C to +105°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, ST-2433 Dielectric insertion tool ST-00324 Soldering fixture ST-008 Insert for .085 semi-rigid cable ST-009	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

2.4-3300A-0085		DATE	2020/03/24	REV	—
A		B		C	
					
BODY		CONTACT PIN		INSULATOR	
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 " AND " ST-2433 "TO FIX THE CONNECTOR. SOLDER IN " X ".		
			Step 4: USE DIELECTRIC INSERTION TOOL " ST-00324 " TO INSERT THE INSULATOR " C ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

2.4-3300A-0085

