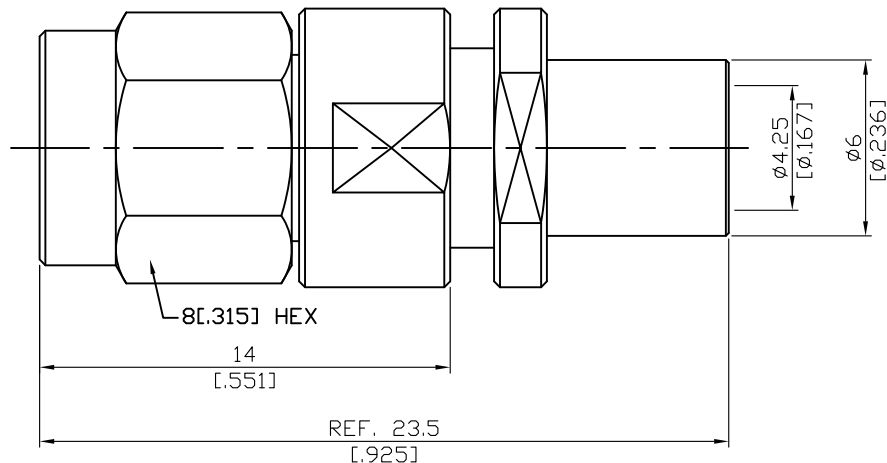


K3200S-5003

2.92mm Plug Solder Clamp For Flexible RG402;
40GHz VSWR 1.2*

50Ω



Note:

1. Precision connector up to 40GHz
2. Solder clamp design ensures a sturdy connector/cable connection
3. Manufacturing low loss high frequency RF assemblies requires expertise.

*Using 5003

Parts	Material	Plating (Micro-inch)
Coupling Nut	Stainless Steel	Passivated
Body	Stainless Steel	Passivated
Insulator	PPO	
Gasket	Silicone	
Retainer Ring	Beryllium Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Solder Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Clamp Nut	Stainless Steel	Passivated

Suitable Cables: 5003, SS402, T-Flex 402, Multiflex 141,
.141SRF-W-P-50-F

This part number complies with RoHS.

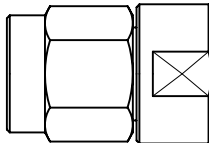
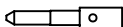
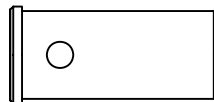
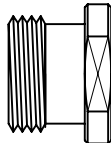
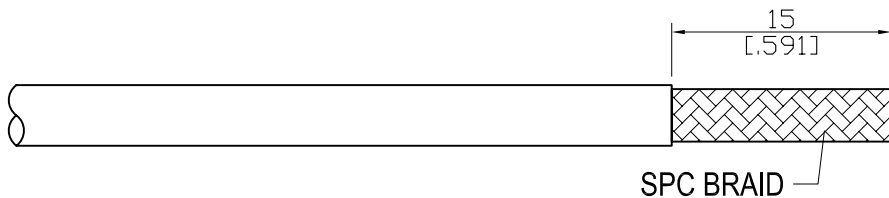
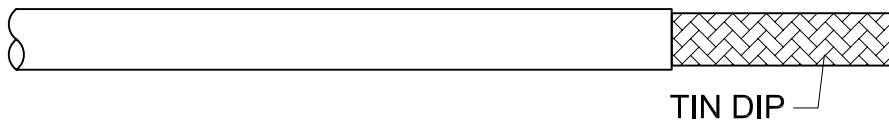
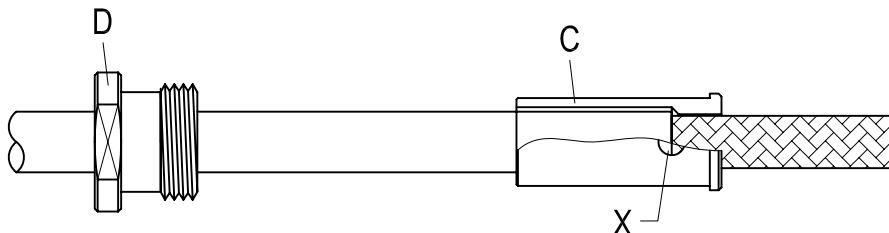
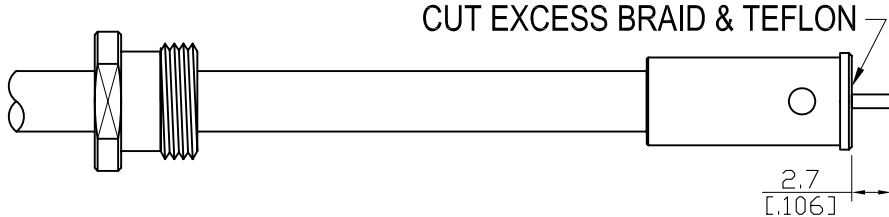
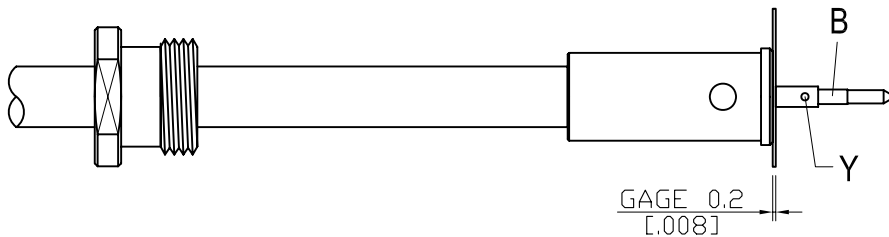
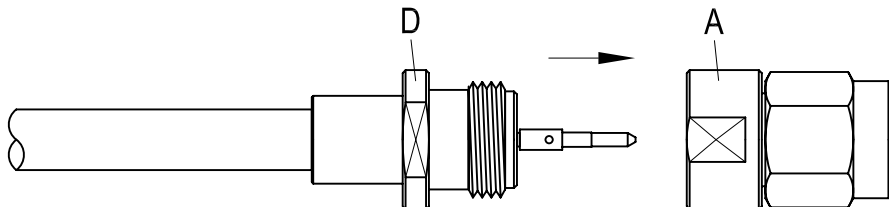
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

2.92 (K)	K3200S-5003
Interface MIL-STD-348B Mechanically compatible with 3.5 & SMA	
Electrical Data Impedance 50Ω Frequency range DC to 40GHz VSWR ≤ 1.2 (DC to 40GHz) 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) 750 V rms Working Voltage (at sea level) 250 V rms RF leakage $\geq 100\text{dB}$ to 1GHz	
Mechanical Data Recommended coupling nut torque 11.47 inch lbs Coupling proof torque 15 inch lbs Contact Captivation-axial ≥ 4.9 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 206 Corrosion MIL-STD-202, Method 101, Condition B RoHS Compliant	
Tooling Soldering gauge 0.2mm thick ST-0.2	

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

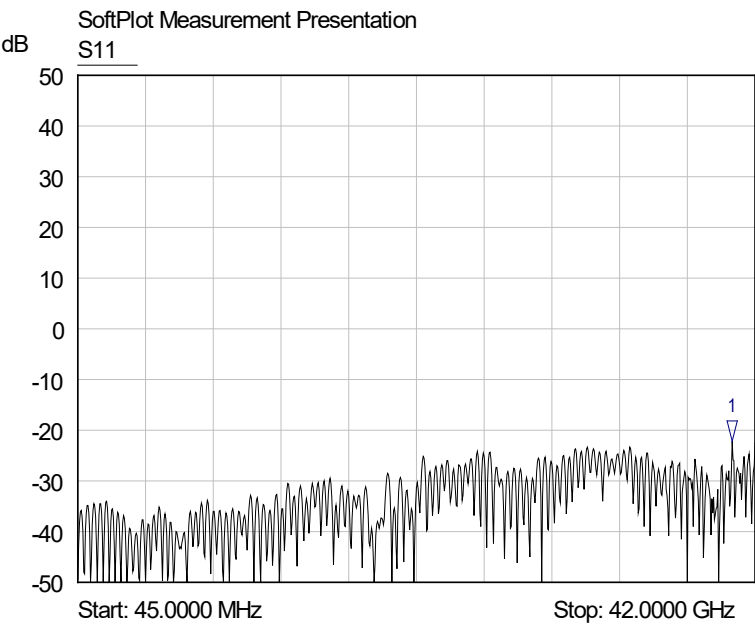
JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

K3200S-5003		DATE	2018/04/09	REV	—
A		B		C	D
					
BODY		CONTACT PIN		SOLDER FERRULE	CLAMP NUT
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: TIN DIP SPC BRAID.		
			Step 3: SLIDE NUT " D " AND SOLDER FERRULE " C " OVER THE CABLE. Step 4: SOLDER IN " X ".		
			Step 5: CUT AWAY ANY EXCESS BRAID AND TEFLON STICKING OUT OF THE SOLDER FERRULE. Step 6: CUT CENTER CONDUCTOR TO LENGTH.		
			Step 7: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ". USE 0.2 MM GAGE ST-0.2.		
			STEP 8: FINALLY SCREW NUT " D " ON THE CONNECTOR BODY " A ".		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

K3200S-5003

S11



1 S11
▽ 40.5840 GHz
-22.24 dB