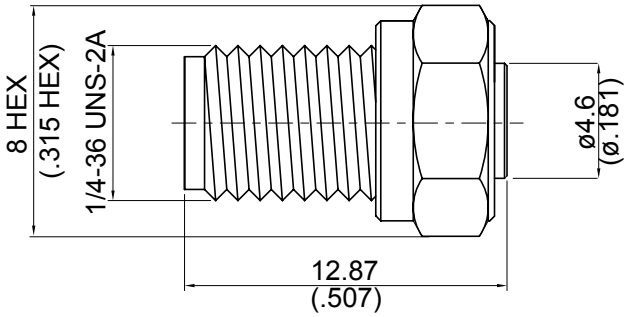
K8300-0118	**2.92mm Jack Solder For .118 semi-rigid 40GHz VSWR1.2**	**50Ω**



Parts	Material	Plating (Micro-inch)
Insulator	PPO	
Body	Stainless Steel	Passivated
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Solder Body	Stainless Steel	Gold 5 over Nickel 50 over Copper 50

Weight: 3.08 g
Suitable Cables: Semi- rigid.118

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

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2.92 (K)	**K8300-0118**

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	≦0.04 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦3mΩ
Contact resistance outer conductor	≦2mΩ
Dielectric withstanding voltage (at sea level)	750 V rms
Working Voltage (at sea level)	250 V rms
RF leakage	≧100dB 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	-40°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

Locator tool	ST-011
Soldering fixture	ST-008
Insert for .118 semi-rigid cable	ST-118

JYE BAO CO., LTD.

CABLE ASSEMBLY RECOMMENDATION

K8300-0118	DATE	2017/07/06	REV	—

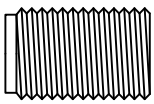
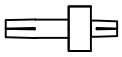
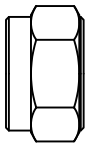
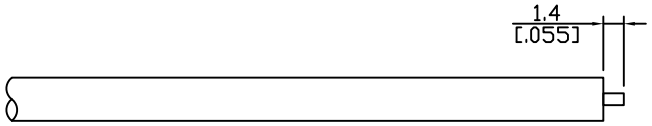
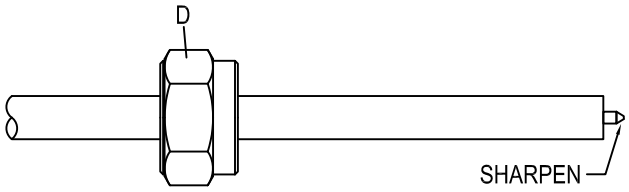
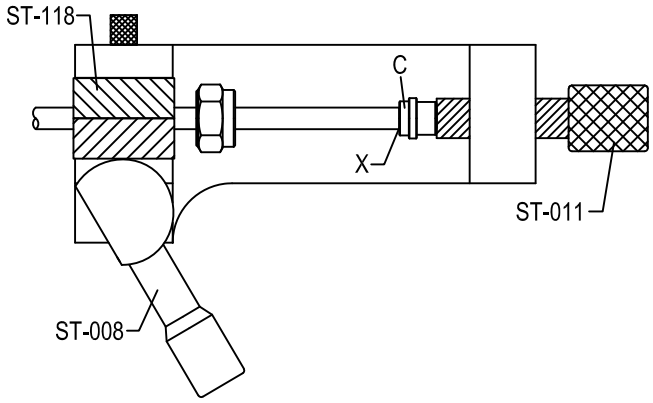
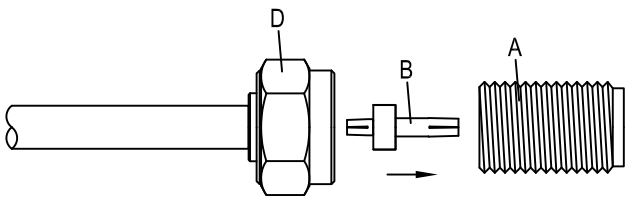
A	B	C	D
			
BODY	CONTACT PIN + INSULATOR	SOLDER BODY	NUT

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SHARPEN CENTER CONDUCTOR TIP. Step 3: SLIDE NUT " D " OVER CABLE.
	Step 4: SLIDE CABLE INTO SOLDER BODY " C ". Step 5: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-118 " AND LOCATOR TOOL " ST-011 " TO FIX THE SOLDER BODY. SOLDER IN " X ".
	STEP 6: SLIDE CONTACT PIN " B " INTO CONNECTOR BODY " A ". STEP 7: APPLY GLUE AND 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