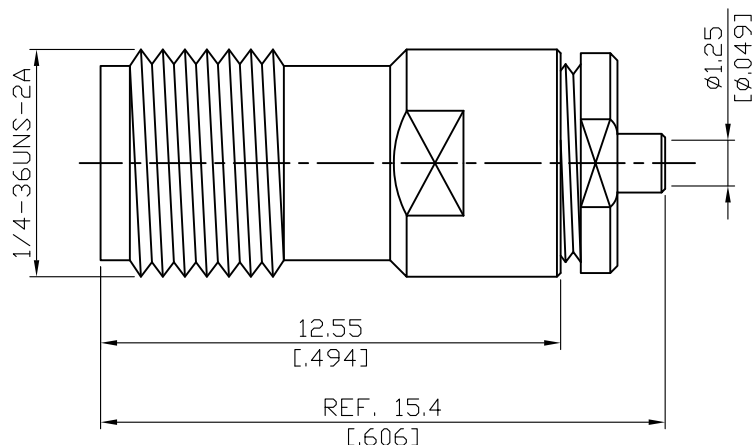


K8300-0047

2.92mm Jack Solder Clamp For .047 semi-rigid  
40GHz VSWR 1.3

50Ω



| Parts          | Material         | Plating ( Micro-inch )                                |
|----------------|------------------|-------------------------------------------------------|
| Clamp Nut      | Stainless Steel  | Passivated                                            |
| Solder Ferrule | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Body           | Stainless Steel  | Passivated                                            |
| Contact Pin    | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator      | PPO              |                                                       |

Suitable Cables: .047Semi-Rigid, .047 Formable

This part number complies with RoHS.

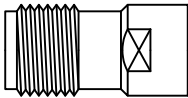
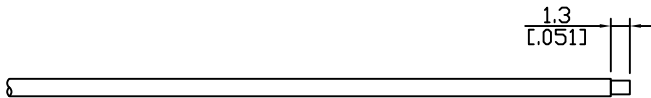
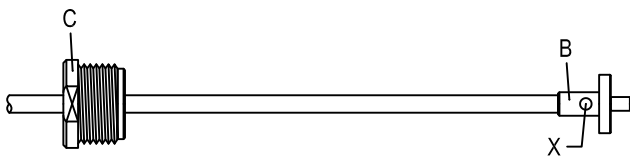
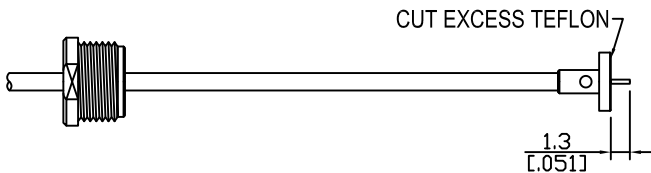
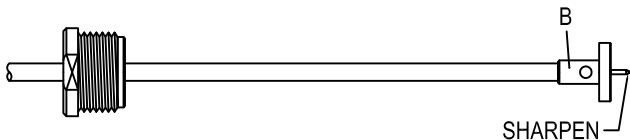
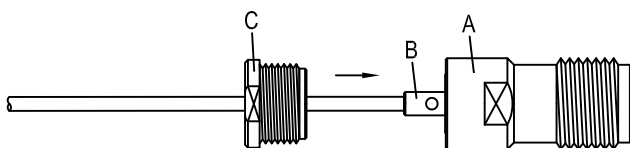
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| 2.92 (K)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | K8300-0047 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <div>Interface</div> <p>MIL-STD-348B</p> <p>Mechanically compatible with 3.5 &amp; SMA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |
| <div>Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 40GHz</p> <p>VSWR <math>\leq 1.3</math> (DC to 40GHz)</p> <p>Insertion loss <math>\leq 0.04 \times \sqrt{f(\text{GHz})}</math> dB</p> <p>Insulation resistance <math>\geq 5000\text{M}\Omega</math></p> <p>Contact resistance inner conductor <math>\leq 3\text{m}\Omega</math></p> <p>Contact resistance outer conductor <math>\leq 2\text{m}\Omega</math></p> <p>Dielectric withstanding voltage (at sea level) 750 V rms</p> <p>Working Voltage (at sea level) 250 V rms</p> <p>RF leakage <math>\geq 100\text{dB}</math> to 1GHz</p> |            |
| <div>Mechanical Data</div> <p>Recommended coupling nut torque 11.47 inch lbs</p> <p>Coupling proof torque 15 inch lbs</p> <p>Contact Captivation-axial <math>\geq 4.9</math> lbs</p> <p>Durability (mating) <math>\geq 500</math></p>                                                                                                                                                                                                                                                                                                                                                                             |            |
| <div>Environmental Data</div> <p>Temperature range -40°C to +105°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition B</p> <p>Moisture resistance MIL-STD-202, Method 206</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>                                                                                                                                                                                                                                                                                                                                                   |            |
| <div>Tooling</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY RECOMMENDATION

|                                                                                                                                                                                                                                                                                                                                                                                                                       |  |         |                                                                                                                  |         |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|------------------------------------------------------------------------------------------------------------------|---------|---|
| K8300-0047                                                                                                                                                                                                                                                                                                                                                                                                            |  | DATE    | 2016/07/20                                                                                                       | REV     | — |
| <div><div><div>A</div><div></div><div>BODY</div></div><div><div>B</div><div></div><div>FERRULE</div></div><div><div>C</div><div></div><div>NUT</div></div></div> |  |         |                                                                                                                  |         |   |
| DIAGRAM                                                                                                                                                                                                                                                                                                                                                                                                               |  |         | ASSEMBLY INSTRUCTION                                                                                             |         |   |
|                                                                                                                                                                                                                                                                                                                                      |  |         | Step 1: STRIP AS SHOWN.                                                                                          |         |   |
|                                                                                                                                                                                                                                                                                                                                    |  |         | Step 2: SLIDE NUT " C " AND FERRULE " B " OVER CABLE.<br>Step 3: SOLDER IN " X " .                               |         |   |
|                                                                                                                                                                                                                                                                                                                                    |  |         | Step 4: CUT AWAY ANY EXCESS TEFLON STICKING OUT OF THE SOLDER FERRULE.<br>Step 5: STRIP AS SHOWN.                |         |   |
|                                                                                                                                                                                                                                                                                                                                    |  |         | Step 6: SHARPEN CENTER CONDUCTOR TIP.                                                                            |         |   |
|                                                                                                                                                                                                                                                                                                                                    |  |         | Step 7: SLIDE CABLE INTO CONNECTOR BODY " A " .<br>Step 8: FINALLY SCREW NUT " C " ON THE CONNECTOR BODY " A " . |         |   |
| <div><div>This part number complies with RoHS.</div><div>Notice: JYEBAO reserves the right to make modifications deemed appropriate.</div></div>                                                                                                                                                                                                                                                                      |  |         |                                                                                                                  |         |   |
| APPROVED                                                                                                                                                                                                                                                                                                                                                                                                              |  | CHECKED |                                                                                                                  | DRAWING |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |  |         |                                                                                                                  | Albert  |   |

# K8300-0047

