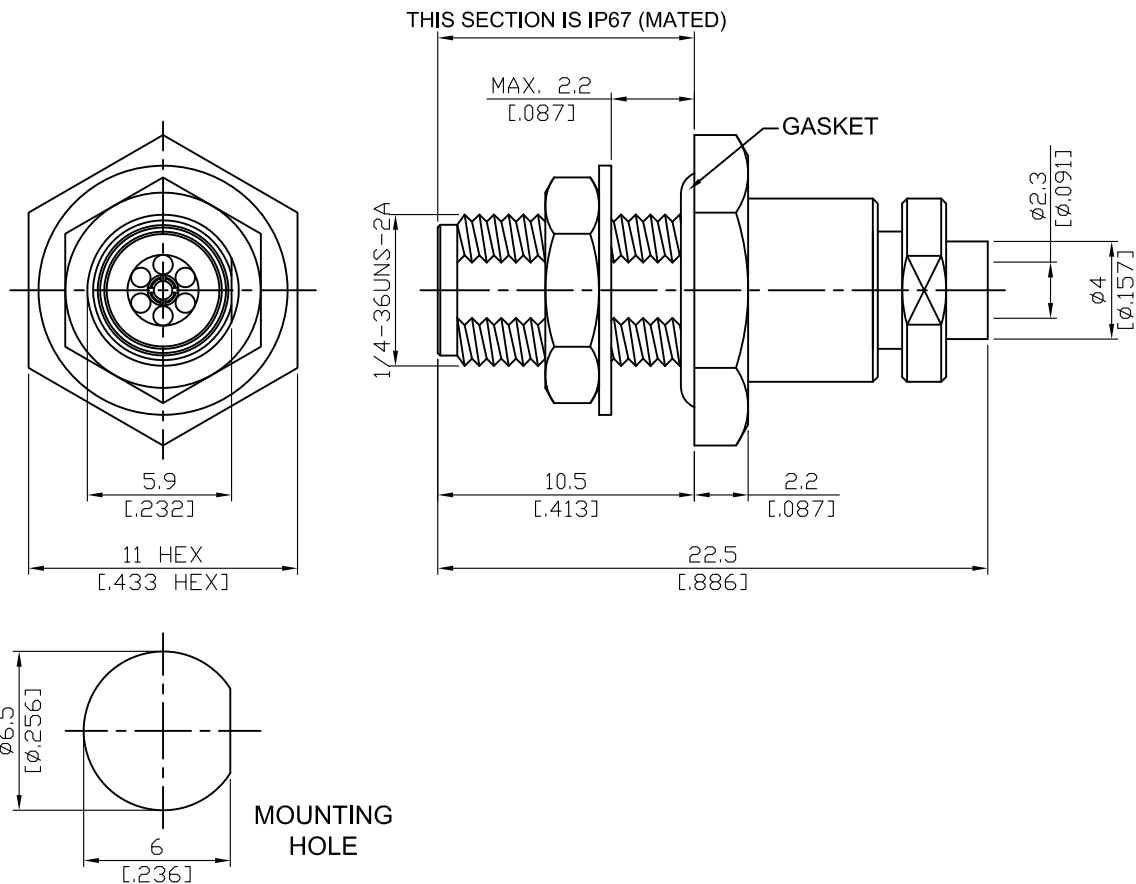


K8305-0085

2.92mm Jack Solder Clamp Bulkhead,  
IP67 Mated, For RG405; 40GHz VSWR 1.25 50Ω



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

Weight: 6.83 g  
Suitable Cables: semi-rigid.085

This part number complies with RoHS.

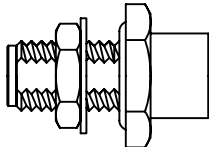
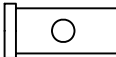
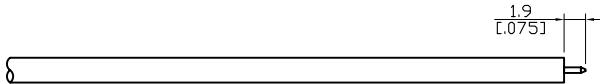
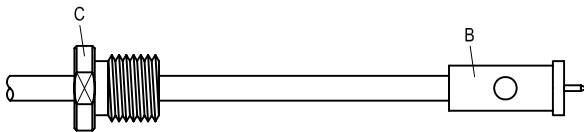
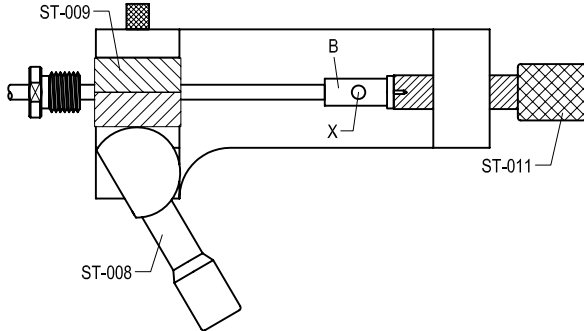
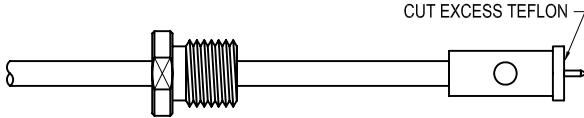
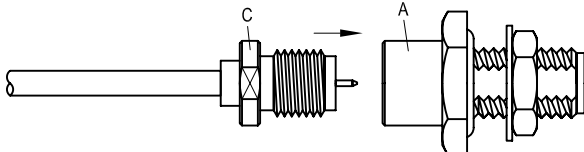
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| 2.92 (K)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | K8305-0085 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <div>Interface</div> MIL-STD-348B<br>Mechanically compatible with 3.5 & SMA                                                                                                                                                                                                                                                                                                                                                                                                                           |            |
| <div>Electrical Data</div> Impedance 50Ω<br>Frequency range DC to 40GHz<br>VSWR $\leq 1.25$ (DC to 40GHz)<br>Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB<br>Insulation resistance $\geq 5000\text{M}\Omega$<br>Contact resistance inner conductor $\leq 3\text{m}\Omega$<br>Contact resistance outer conductor $\leq 2\text{m}\Omega$<br>Dielectric withstanding voltage (at sea level) 750 V rms<br>Working Voltage (at sea level) 250 V rms<br>RF leakage $\geq 100\text{dB}$ to 1GHz |            |
| <div>Mechanical Data</div> Recommended coupling nut torque 11.47 inch lbs<br>Coupling proof torque 15 inch lbs<br>Contact Captivation-axial $\geq 4.9$ lbs<br>Durability (mating) $\geq 500$                                                                                                                                                                                                                                                                                                          |            |
| <div>Environmental Data</div> Temperature range -40°C to +105°C<br>Thermal shock MIL-STD-202, Method 107, Condition B<br>Moisture resistance MIL-STD-202, Method 206<br>Corrosion MIL-STD-202, Method 101, Condition B<br>RoHS Compliant                                                                                                                                                                                                                                                              |            |
| <div>Tooling</div> Locator tool ST-011<br>Soldering fixture ST-008<br>Insert for .085semi-rigid cable ST-009                                                                                                                                                                                                                                                                                                                                                                                          |            |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                          |            |         |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---|
| K8305-0085                                                                                                                                                                                                                                                                                                                                                                                                        |  | DATE                                                                                                                                     | 2017/07/06 | REV     | — |
| <div><div>A</div><div>B</div><div>C</div><div><div></div><div></div><div></div><div><div>BODY</div><div>SOLDER FERRULE</div><div>NUT</div></div></div></div> |  |                                                                                                                                          |            |         |   |
| DIAGRAM                                                                                                                                                                                                                                                                                                                                                                                                           |  | ASSEMBLY INSTRUCTION                                                                                                                     |            |         |   |
|                                                                                                                                                                                                                                                                                                                                  |  | <div>Step 1: STRIP AS SHOWN.</div> <div>Step 2: SHARPEN CENTER CONDUCTOR TIP.</div>                                                      |            |         |   |
|                                                                                                                                                                                                                                                                                                                                |  | Step 3: SLIDE NUT " C " AND SOLDER FERRULE " B " OVER CABLE.                                                                             |            |         |   |
|                                                                                                                                                                                                                                                                                                                                |  | Step 4: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE SOLDER FERRULE. SOLDER IN " X ". |            |         |   |
|                                                                                                                                                                                                                                                                                                                                |  | <div>Step 5: CUT AWAY ANY EXCESS TEFLON STICKING OUT OF THE SOLDER NUT.</div>                                                            |            |         |   |
|                                                                                                                                                                                                                                                                                                                                |  | Step 6: SCREW NUT " C " ON THE CONNECTOR BODY " A ".                                                                                     |            |         |   |
| <div>This part number complies with RoHS.</div> <div>Notice: JYEBAO reserves the right to make modifications deemed appropriate.</div>                                                                                                                                                                                                                                                                            |  |                                                                                                                                          |            |         |   |
| APPROVED                                                                                                                                                                                                                                                                                                                                                                                                          |  | CHECKED                                                                                                                                  |            | DRAWING |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                          |            | Albert  |   |

# K8305-0085

S11

