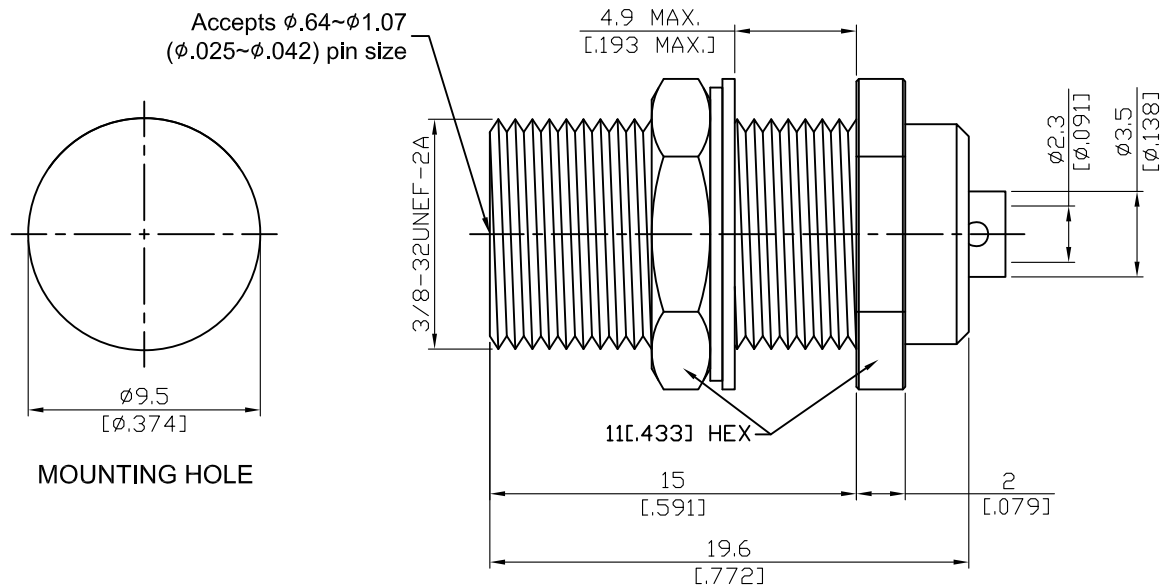


F8305C-0085

F Jack Solder Bulkhead For 75ohm .085 semi-rigid  
3GHz VSWR 1.2; 4GHz VSWR 1.3

75Ω



| Parts       | Material         | Plating ( Micro-inch )                                |
|-------------|------------------|-------------------------------------------------------|
| Washer      | Brass            | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Ferrule     | Brass            | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Contact Pin | Brass            | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Hex Nut     | Brass            | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Lock Washer | Stainless Steel  | Passivated                                            |
| Barrel      | Brass            | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator   | PE               |                                                       |
| Body        | Brass            | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |

Suitable Cables:  
.085 75Ω Semi-Rigid ; .085 75Ω Conformable Cable

This part number complies with RoHS.

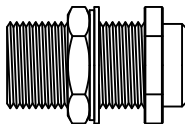
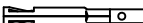
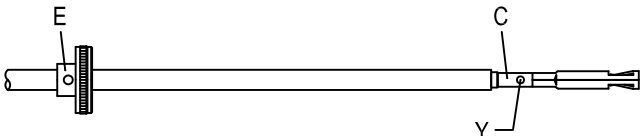
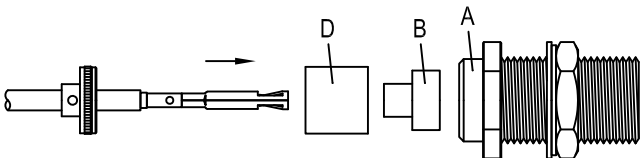
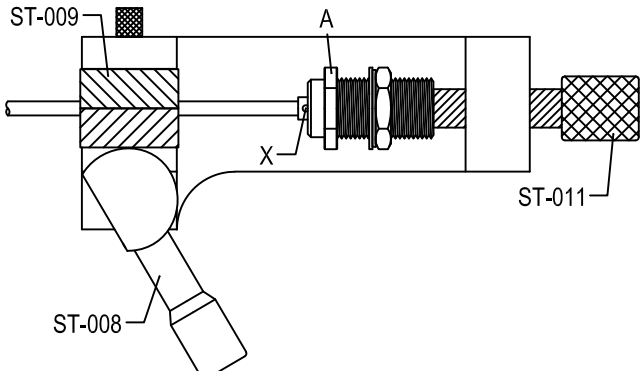
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F8305C-0085 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <div>Interface</div> IEC 61169-24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |
| <div>Electrical Data</div> Impedance 75Ω<br>Frequency range DC to 4GHz<br>VSWR $\leq 1.2$ (3GHz); $\leq 1.3$ (4GHz)<br>Insertion loss $\leq 0.1\text{dB}$ at 1GHz; $\leq 0.2\text{dB}$ at 2GHz;<br>$\leq 0.3\text{dB}$ at 3GHz<br>Insulation resistance $\geq 10000\text{M}\Omega$<br>Contact resistance inner conductor $\leq 5\text{m}\Omega$<br>Contact resistance outer conductor $\leq 2.5\text{m}\Omega$<br>Dielectric withstanding voltage (at sea level) 1500 V rms<br>Working Voltage (at sea level) 500 V rms |             |
| <div>Mechanical Data</div> Recommended coupling nut torque 15 to 20 inch lbs<br>Coupling proof torque 60 inch lbs<br>Durability (mating) $\geq 500$<br>Accepts male pin size $\Phi 0.64 \sim \Phi 1.07$ ( $\Phi .025 \sim \Phi .042$ )                                                                                                                                                                                                                                                                                  |             |
| <div>Environmental Data</div> Temperature range -40°C to +80°C<br>Thermal shock MIL-STD-202, Method 107, Condition B<br>Moisture resistance MIL-STD-202, Method 106<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 .085 semi-rigid cable ST-009                                                                                                                                                                                                                                                                                                                                                                                                           |             |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |                                                                                   |                                                                                   |                                                                                                                                      |                                                                                     |        |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
| F8305C-0085                                                                                                         |                                                                                   | DATE                                                                              | 2018/06/05                                                                                                                           | REV                                                                                 | —      |
| A                                                                                                                   | B                                                                                 | C                                                                                 | D                                                                                                                                    | E                                                                                   |        |
|                                    |  |  |                                                   |  |        |
| BODY + WASHER<br>+ HEX NUT<br>+ LOCK WASHER                                                                         |                                                                                   | INSULATOR                                                                         | CONTACT<br>PIN                                                                                                                       | FERRULE                                                                             | BARREL |
| DIAGRAM                                                                                                             |                                                                                   |                                                                                   | ASSEMBLY INSTRUCTION                                                                                                                 |                                                                                     |        |
|                                    |                                                                                   |                                                                                   | Step 1: STRIP AS SHOWN.                                                                                                              |                                                                                     |        |
|                                  |                                                                                   |                                                                                   | Step 2: SLIDE NUT " E " OVER CABLE.<br>Step 3: PUT PIN " C " ON CENTER CONDUCTOR AND SOLDER IN " Y ".                                |                                                                                     |        |
|                                  |                                                                                   |                                                                                   | Step 4: SLIDE INSULATOR " B " 、 FERRULE " D " AND PREPARED CABLE INTO CONNECTOR BODY " A ".                                          |                                                                                     |        |
|                                  |                                                                                   |                                                                                   | Step 5: USE SOLDERING FIXTURE " ST-008 " , INSERT TOOL " ST-009 " AND LOCATOR TOOL " ST-011 " TO FIX THE CONNECTOR. SOLDER IN " X ". |                                                                                     |        |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate. |                                                                                   |                                                                                   |                                                                                                                                      |                                                                                     |        |
| APPROVED                                                                                                            |                                                                                   | CHECKED                                                                           |                                                                                                                                      | DRAWING                                                                             |        |
|                                                                                                                     |                                                                                   |                                                                                   |                                                                                                                                      | Albert                                                                              |        |

# F8305C-0085

S11

