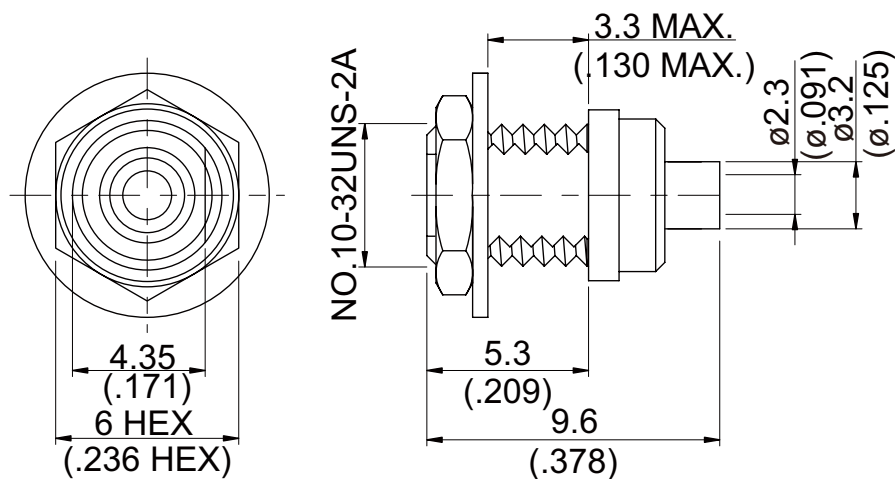


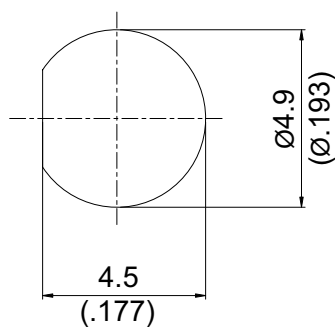
MMCX8305-0085

**MMCX Jack Solder Bulkhead**  
**For RG405, 5GHz VSWR 1.25**

**50Ω**



MOUNTING HOLE :



| Parts        | Material        | Plating (Micro-inch)                                  |
|--------------|-----------------|-------------------------------------------------------|
| Washer       | Brass           | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Hex Nut      | Brass           | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Body | Brass           | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Pin  | Phosphor Bronze | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator    | Teflon          |                                                       |
| Body         | Brass           | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |

Suitable Cables: Semi-rigid.085

**This part number complies with RoHS.**

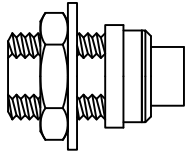
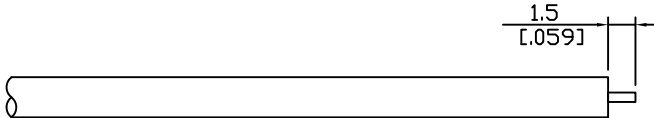
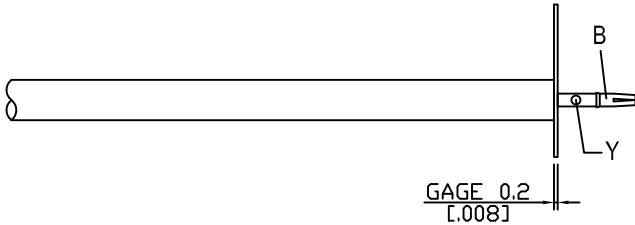
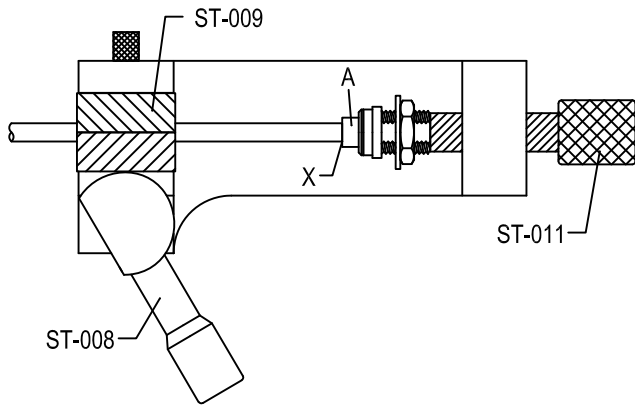
**Notice: JYEBAO reserves the right to make modifications deemed appropriate.**

| MMCX               |  | MMCX8305-0085                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|--------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Interface          |  | IEC 61169-52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| Electrical Data    |  | <p>Impedance 50Ω</p> <p>Frequency range DC to 5GHz</p> <p>VSWR <math>\leq 1.25</math> (DC to 5GHz)</p> <p>Insertion loss <math>\leq 0.05 \times \sqrt{f(\text{GHz})}</math> dB</p> <p>Insulation resistance <math>\geq 10000\text{M}\Omega</math></p> <p>Contact resistance inner conductor <math>\leq 5\text{m}\Omega</math></p> <p>Contact resistance outer conductor <math>\leq 2.5\text{m}\Omega</math></p> <p>Dielectric withstanding voltage (at sea level) 500 V rms</p> <p>Working Voltage (at sea level) 170 V rms</p> |  |
| Mechanical Data    |  | <p>Engagement force <math>\leq 3.4</math> lbs</p> <p>Disengagement force 1.4 to 3.4 lbs</p> <p>Contact captivation-axial <math>\geq 2.3</math> lbs</p> <p>Durability (mating) <math>\geq 500</math></p>                                                                                                                                                                                                                                                                                                                         |  |
| Environmental Data |  | <p>Temperature range -65°C to +165°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition F</p> <p>Moisture resistance MIL-STD-202, Method 106</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>                                                                                                                                                                                                                                                                                               |  |
| Tooling            |  | <p>Soldering gauge ST-0.2</p> <p>Locator tool ST-011</p> <p>Soldering fixture ST-008</p> <p>Insert for .085semi-rigid cable ST-009</p>                                                                                                                                                                                                                                                                                                                                                                                          |  |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |  |                                                                                                                                     |            |         |   |
|---------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---|
| MMCX8305-0085                                                                                                       |  | DATE                                                                                                                                | 2017/10/20 | REV     | — |
| A                                                                                                                   |  | B                                                                                                                                   |            |         |   |
|                                    |  |                                                   |            |         |   |
| BODY + HEX NUT<br>+ WASHER                                                                                          |  | CONTACT PIN                                                                                                                         |            |         |   |
| DIAGRAM                                                                                                             |  | ASSEMBLY INSTRUCTION                                                                                                                |            |         |   |
|                                   |  | Step 1: STRIP AS SHOWN.                                                                                                             |            |         |   |
|                                  |  | Step 2: PUT 0.2 MM GAGE ST-0.2 IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CONTACT PIN " B " AND SOLDER IN " Y ".                |            |         |   |
|                                  |  | Step 3: 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  |   |

# MMCX8305-0085

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