

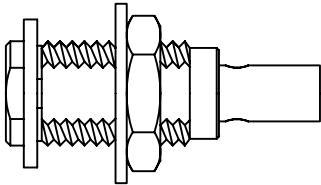
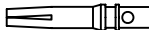
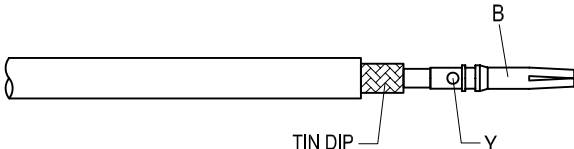
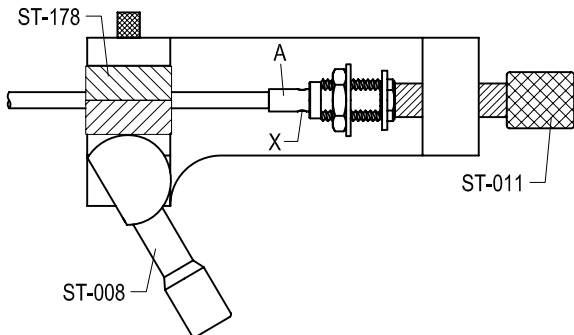
**Notice: JYBAO reserves the right to make modifications deemed appropriate.**

| MCX                |  | MCX8305A-0178                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|--------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Interface          |  | IEC 61169-36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Electrical Data    |  | <p>Impedance 50Ω</p> <p>Frequency range DC to 2GHz</p> <p>VSWR <math>\leq 1.25</math> (DC to 2GHz)</p> <p>Insertion loss <math>\leq 0.1\text{dB}</math> to 1GHz; <math>\leq 0.15</math> to 3GHz</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) 750 V rms</p> <p>Working voltage (at sea level) 250 V rms</p> |  |
| Mechanical Data    |  | <p>Engagement force <math>\leq 5.6</math> lbs</p> <p>Disengagement force 1.8 to 4.5 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 -55 to +155°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>Crimping tool CRT-1 or CRT-2      Soldering fixture ST-008</p> <p>Crimp insert INSERT-A      Insert for RG178 cable ST-178</p> <p>Locator tool ST-011</p>                                                                                                                                                                                                                                                                                                                                                                                     |  |

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# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                                                                                |  |                                                                                                                                                                      |            |         |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---|
| MCX8305A-0178                                                                                                                                                                  |  | DATE                                                                                                                                                                 | 2017/09/25 | REV     | — |
| <div>A</div> <div></div> <div>BODY + WASHER<br/>+ HEX NUT + C-RING</div>                      |  | <div>B</div> <div></div> <div>CONTACT PIN</div>                                    |            |         |   |
| DIAGRAM                                                                                                                                                                        |  | ASSEMBLY INSTRUCTION                                                                                                                                                 |            |         |   |
| <div></div>                                                                                  |  | Step 1: STRIP AS SHOWN.                                                                                                                                              |            |         |   |
| <div></div> <div>TIN DIP</div> <div>Y</div> <div>B</div>                                    |  | Step 2: TIN DIP BRAIDING.<br>Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ".<br>(USE SQUARE 0.70mm/0.028inch SECTION OF INSERT-A IF CRIMPED) |            |         |   |
| <div></div> <div>ST-178</div> <div>A</div> <div>X</div> <div>ST-011</div> <div>ST-008</div> |  | Step 4: USE SOLDERING FIXTURE " ST-008 ", INSERT TOOL " ST-178 " 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  |   |

# MCX8305A-0178

