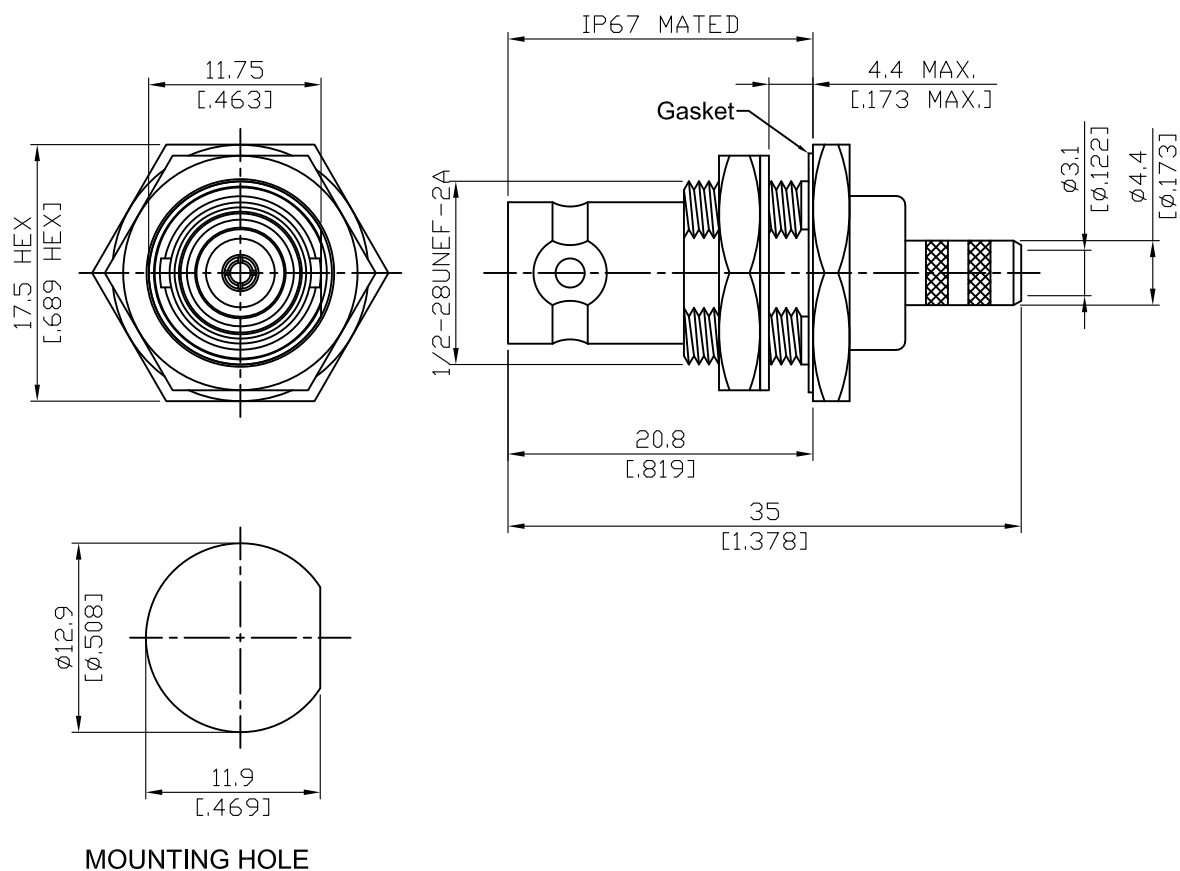


MHV8105-0142

MHV Jack Crimp Bulkhead, IP67 Mated,  
For RG142, RG400

50Ω



| Parts       | Material | Plating ( Micro-inch )                                |
|-------------|----------|-------------------------------------------------------|
| Ferrule     | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Hex Nut     | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Washer      | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Gasket      | Silicone |                                                       |
| Barrel      | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Contact Pin | P.Bronze | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Insulator   | Teflon   |                                                       |
| Body        | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |

Suitable Cables: RG142, RG400

This part number complies with RoHS.

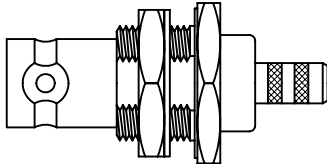
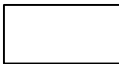
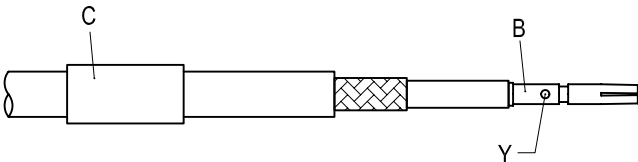
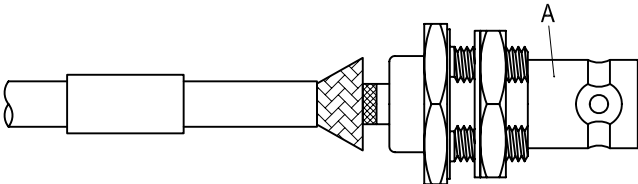
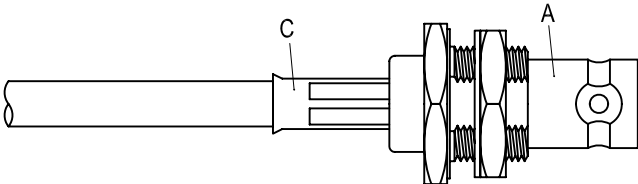
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| MHV                                                                                                                                                                                                                                                                                                                                                              | MHV8105-0142 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <div>Interface</div> MIL-STD-348B                                                                                                                                                                                                                                                                                                                                |              |
| <div>Electrical Data</div> Impedance 50Ω<br>Frequency range DC to 300 MHz<br>Insulation resistance $\geq 5000\text{M}\Omega$<br>Contact resistance inner conductor $\leq 2\text{m}\Omega$<br>Contact resistance outer conductor $\leq 1\text{m}\Omega$<br>Dielectric withstanding voltage (at sea level) 5000 V rms<br>Working Voltage (at sea level) 1600 V rms |              |
| <div>Mechanical Data</div> Recommended coupling nut torque 0.6 to 2.5 inch lbs<br>Contact captivation-axial $\geq 6.1$ lbs<br>Durability (mating) $\geq 500$                                                                                                                                                                                                     |              |
| <div>Environmental Data</div> Temperature range -65°C to +165°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> Crimping tool CRT-1 or CRT-2<br>Crimp insert INSERT-A                                                                                                                                                                                                                                                                                         |              |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |  |                                                                                   |                                                                                                                                                                                   |                                                                                     |   |
|---------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| MHV8105-0142                                                                                                        |  | DATE                                                                              |                                                                                                                                                                                   | REV                                                                                 | — |
| A                                                                                                                   |  | B                                                                                 |                                                                                                                                                                                   | C                                                                                   |   |
|                                    |  |  |                                                                                                                                                                                   |  |   |
| BODY + GASKET +<br>WASHER + HEX NUT                                                                                 |  | CONTACT PIN                                                                       |                                                                                                                                                                                   | FERRULE                                                                             |   |
| DIAGRAM                                                                                                             |  |                                                                                   | ASSEMBLY INSTRUCTION                                                                                                                                                              |                                                                                     |   |
|                                   |  |                                                                                   | Step 1: STRIP AS SHOWN.                                                                                                                                                           |                                                                                     |   |
|                                  |  |                                                                                   | Step 2: SLIDE FERRULE " C " OVER CABLE.<br>Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ".<br>(USE SQUARE 1.6mm/0.063inch SECTION OF INSERT-B IF CRIMPED) |                                                                                     |   |
|                                  |  |                                                                                   | Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.                                                                                                                       |                                                                                     |   |
|                                  |  |                                                                                   | Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.<br>(USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)                                                               |                                                                                     |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate. |  |                                                                                   |                                                                                                                                                                                   |                                                                                     |   |
| APPROVED                                                                                                            |  | CHECKED                                                                           |                                                                                                                                                                                   | DRAWING                                                                             |   |
|                                                                                                                     |  |                                                                                   |                                                                                                                                                                                   | Albert                                                                              |   |