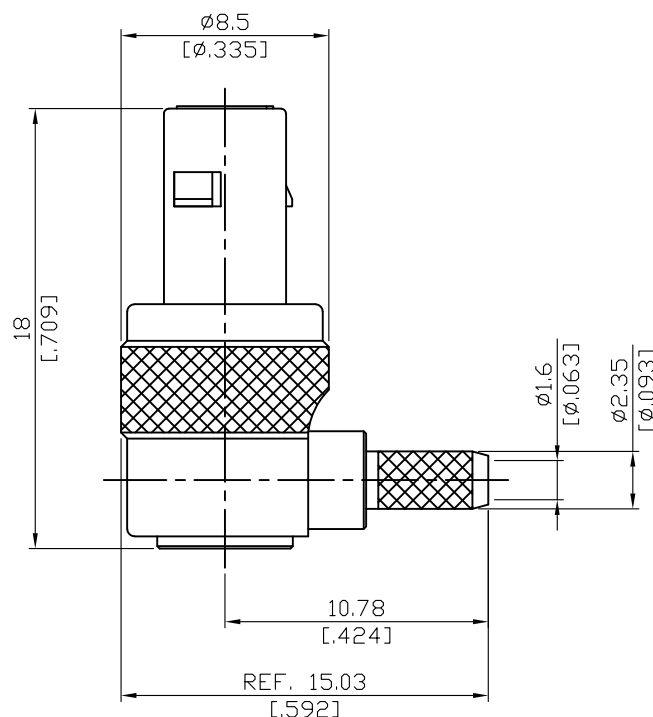


QLR3100-9316

QLR Plug Crimp Right Angle For RG174,RG188,RG316;  
1.4GHz VSWR 1.2

50Ω



| Parts        | Material | Plating ( Micro-inch )                                |
|--------------|----------|-------------------------------------------------------|
| Coupling Nut | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Body         | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Insulator    | Teflon   |                                                       |
| Contact Pin  | Brass    | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Collet       | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Ferrule      | Copper   | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |
| Cover        | Brass    | Tin-Zinc-Copper-Alloy 100 Over Copper 50              |

Suitable Cables: RG174; RG188; RG316; RG316-FEP

This part number complies with RoHS.

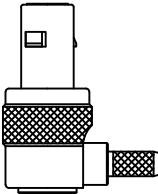
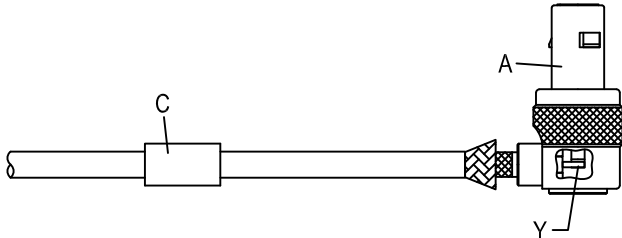
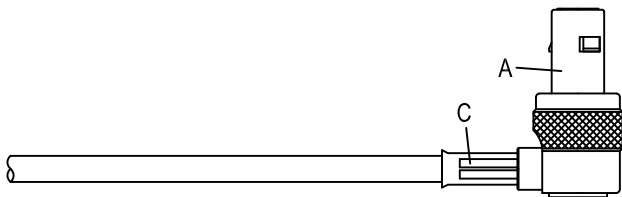
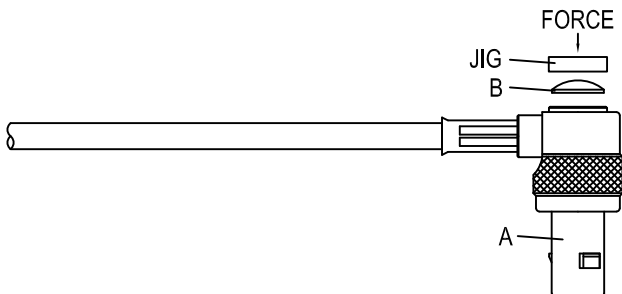
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| QLR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QLR3100-9316 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <div>Interface</div> <p>NIM-CAMAX-Standard CD/N549</p> <p>Intermateable with QLA (HUBER&amp;SUHNER), 00.250 (LEMO)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |
| <div>Electrical Data</div> <p>Impedance 50Ω</p> <p>Frequency range DC to 1.4GHz</p> <p>VSWR <math>\leq 1.2</math> to 1.4GHz</p> <p>Insulation resistance <math>\geq 10^{12} \Omega</math></p> <p>Contact resistance inner conductor <math>\leq 6\text{m}\Omega</math></p> <p>Contact resistance outer conductor <math>\leq 3.5\text{m}\Omega</math></p> <p>Dielectric withstanding voltage (sea level) 1500 V rms, 50Hz</p> <p>Working Voltage unmated (sea level) <math>\leq 300</math> V rms, 50Hz</p> <p>Working Voltage mated (sea level) <math>\leq 500</math> V rms, 50Hz</p> <p>Rated Current 4A</p> |              |
| <div>Mechanical Data</div> <p>Engagement Force (typical) 0.45 lbs</p> <p>Disengagement Force (typical) 1.1 lbs</p> <p>Contact captivation-axial <math>\geq 4.5</math> lbs</p> <p>Durability (mating) <math>\geq 5000</math></p>                                                                                                                                                                                                                                                                                                                                                                             |              |
| <div>Environmental Data</div> <p>Temperature range -55°C to +150°C</p> <p>Thermal shock MIL-STD-202, Method 107, Condition B</p> <p>Moisture resistance MIL-STD-202, Method 106</p> <p>Corrosion MIL-STD-202, Method 101, Condition B</p> <p>RoHS Compliant</p>                                                                                                                                                                                                                                                                                                                                             |              |
| <div>Tooling</div> <p>Crimping tool CRT-1 or CRT-2</p> <p>Crimp insert INSERT-A</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY RECOMMENDATION

|                                                                                                                                                                                                                                                                                                                                                                                                                         |  |         |                                                                                                                                                                            |         |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|
| QLR3100-9316                                                                                                                                                                                                                                                                                                                                                                                                            |  | DATE    | 2018/01/24                                                                                                                                                                 | REV     | — |
| <div><div><div>A</div><div></div><div>BODY</div></div><div><div>B</div><div></div><div>COVER</div></div><div><div>C</div><div></div><div>FERRULE</div></div></div> |  |         |                                                                                                                                                                            |         |   |
| DIAGRAM                                                                                                                                                                                                                                                                                                                                                                                                                 |  |         | ASSEMBLY INSTRUCTION                                                                                                                                                       |         |   |
|                                                                                                                                                                                                                                                                                                                                       |  |         | Step 1: STRIP AS SHOWN.                                                                                                                                                    |         |   |
|                                                                                                                                                                                                                                                                                                                                      |  |         | Step 2: SLIDE FERRULE " C " OVER CABLE.<br>Step 3: WRAP THE BRAIDING UPWARDS.<br>Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ". |         |   |
|                                                                                                                                                                                                                                                                                                                                      |  |         | Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.<br>(USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)                                                        |         |   |
|                                                                                                                                                                                                                                                                                                                                      |  |         | Step 6: PRESS ON THE TOP OF " B " WITH JIGS.                                                                                                                               |         |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate.                                                                                                                                                                                                                                                                                                     |  |         |                                                                                                                                                                            |         |   |
| APPROVED                                                                                                                                                                                                                                                                                                                                                                                                                |  | CHECKED |                                                                                                                                                                            | DRAWING |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                         |  |         |                                                                                                                                                                            | Albert  |   |

