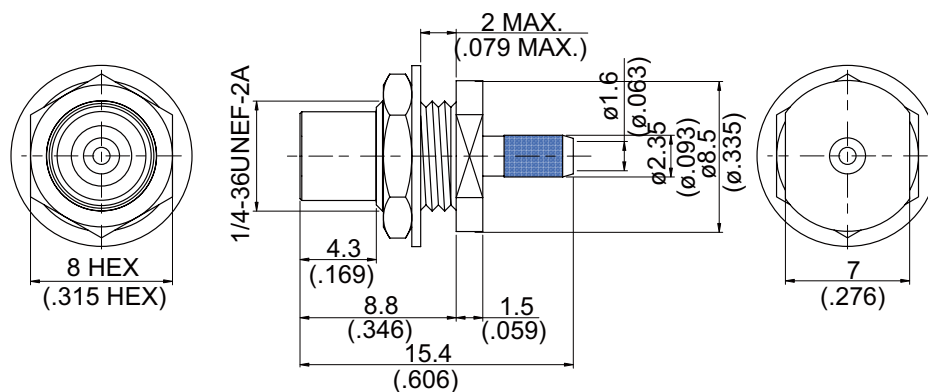


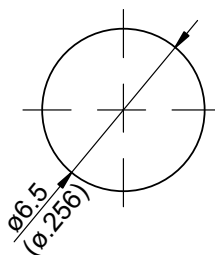
SMS3105-0316

**SMS Plug Crimp Bulkhead**  
For RG174,RG188,RG316; 2.4GHz VSWR 1.2

50Ω



MOUNTING HOLE



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

Weight: 2.92 g

Suitable Cable: RG174,RG188,RG316,RG316-FEP

This part number complies with RoHS.

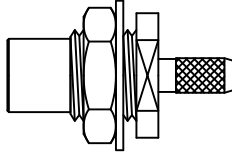
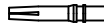
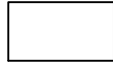
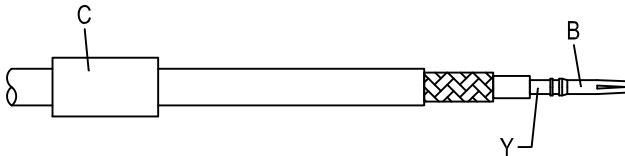
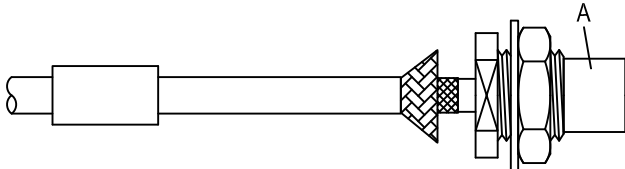
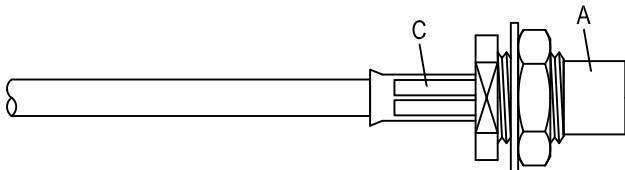
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SMS3105-0316 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <div>Interface</div> <p>Mechanically compatible with SMB</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |
| <div>Electrical Data</div> <p> Impedance 50Ω<br/> Frequency range DC to 2.4GHz<br/> VSWR <math>\leq 1.2</math> (DC to 2.4GHz)<br/> Insertion loss <math>\leq 0.1 \times \sqrt{f(\text{GHz})}</math> dB<br/> Insulation resistance <math>\geq 10000\text{M}\Omega</math><br/> Contact resistance inner conductor <math>\leq 5\text{m}\Omega</math><br/> Contact resistance outer conductor <math>\leq 2.5\text{m}\Omega</math><br/> Dielectric withstanding voltage (at sea level) 750 V rms<br/> Working Voltage (at sea level) 250 V rms </p> |              |
| <div>Mechanical Data</div> <p> Engagement force typ 1.8 lbs<br/> Disengagement force typ 1.1 lbs<br/> Contact captivation-axial <math>\geq 2.25</math> lbs<br/> Durability (mating) <math>\geq 500</math> </p>                                                                                                                                                                                                                                                                                                                                 |              |
| <div>Environmental Data</div> <p> 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/> Contact MIL-STD-202, Method 101, Condition B<br/> RoHS Compliant </p>                                                                                                                                                                                                                                                                                        |              |
| <div>Tooling</div> <p> Crimping tool CRT-1 or CRT-2<br/> Crimp insert INSERT-A </p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |  |                                                                                   |                                                                                                                                                              |                                                                                     |   |
|---------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|
| SMS3105-0316                                                                                                        |  | DATE                                                                              | 2017/04/18                                                                                                                                                   | REV                                                                                 | — |
| A                                                                                                                   |  | B                                                                                 |                                                                                                                                                              | C                                                                                   |   |
|                                    |  |  |                                                                                                                                                              |  |   |
| BODY                                                                                                                |  | 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 CRIMP IN " Y ".<br>(USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A) |                                                                                     |   |
|                                  |  |                                                                                   | Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.                                                                                                  |                                                                                     |   |
|                                  |  |                                                                                   | Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP.<br>(USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)                                          |                                                                                     |   |
| This part number complies with RoHS.<br>Notice: JYEBAO reserves the right to make modifications deemed appropriate. |  |                                                                                   |                                                                                                                                                              |                                                                                     |   |
| APPROVED                                                                                                            |  | CHECKED                                                                           |                                                                                                                                                              | DRAWING                                                                             |   |
|                                                                                                                     |  |                                                                                   |                                                                                                                                                              | Albert                                                                              |   |

# SMS3105-0316

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