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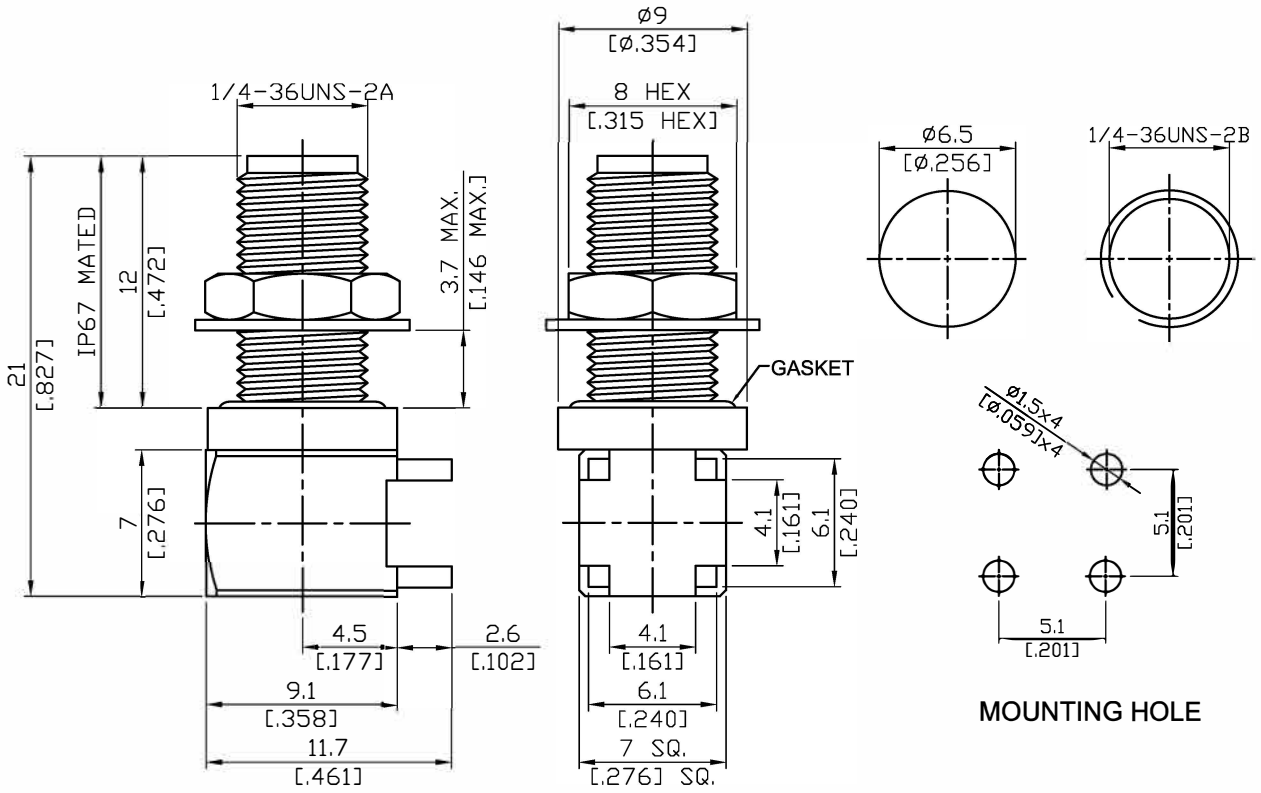
| SMA8400A-9113 | SMA Jack Solder Bulkhead Right Angle PCB Mount<br>For 1.13mm Cable. IP67 Mated; 10GHz VSWR 1.2; 18GHz VSWR 1.35 | 50Ω |
|---|---|---|




| Parts | Material | Plating ( Micro-inch ) |
|---|---|---|
| Cover | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Washer | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Gasket | Silicone | |
| Barrel | 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 |
| Insulator | Teflon | |
| Body | Brass | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |

Suitable Cables: 1.13mm

This part number complies with RoHS.

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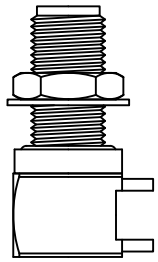
| SMA | SMA8400A-9113 |
|---|---|
| **Interface** | |
| MIL-STD-348B | |
| Mechanically compatible with | 2.92 & 3.5 |
| **Electrical Data** | |
| Impedance | 50Ω |
| Frequency range | DC to 18GHz |
| VSWR | ≦1.2 (10GHz); ≦1.35 (18GHz) |
| Insertion loss | ≦0.04 x $\sqrt{f(GHz)}$ dB |
| Insulation resistance | ≧5000MΩ |
| Contact resistance inner conductor | ≦3mΩ |
| Contact resistance outer conductor | ≦2mΩ |
| **Mechanical Data** | |
| Recommended coupling nut torque | 4 inch lbs |
| Coupling proof torque | 5.3 inch lbs |
| Contact Captivation-axial | ≧6.1 lbs |
| Durability (mating) | ≧100 |
| **Environmental Data** | |
| Temperature range | -65°C to +165°C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Moisture resistance | MIL-STD-202, Method 106 |
| Corrosion | MIL-STD-202, Method 101, Condition B |
| RoHS | Compliant |
| **Tooling** | |

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

| SMA8400A-9113 | DATE | 2018/02/21 | REV | A |
|---|---|---|---|---|

A B C D



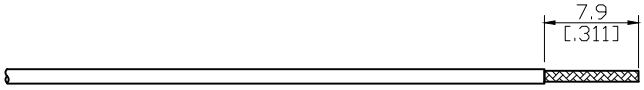
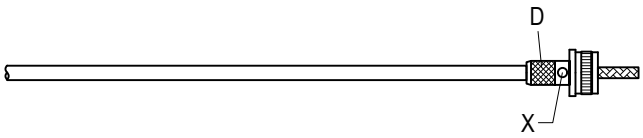
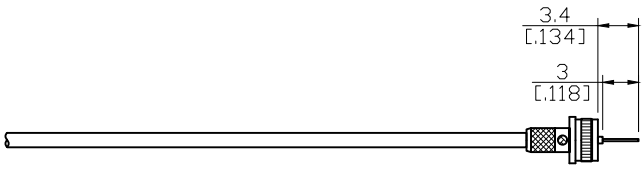
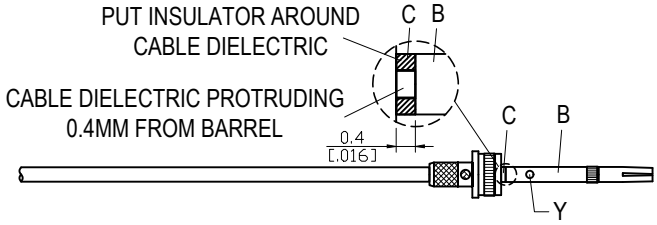
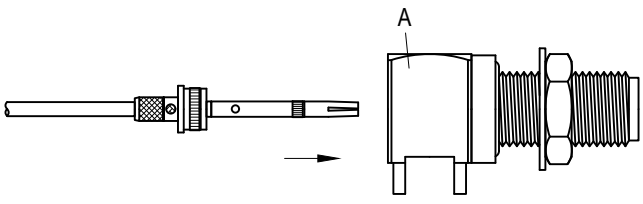
BODY

CONTACT PIN



INSULATOR

BARREL

| DIAGRAM | ASSEMBLY INSTRUCTION |
|---|---|
|  | Step 1: STRIP AS SHOWN. |
|  | Step 2: SLIDE BARREL " D " OVER THE CABLE.<br>Step 3: SOLDER IN "X". |
|  | Step 4: STRIP AS SHOWN. |
|  | Step 6: PUT INSULATOR " C " ON DIELECTRIC.<br>Step 7: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER IN " Y ". |
|  | Step 8: PRESS FIT PREPARED CABLE INTO CONNECTOR BODY " A ". |

This part number complies with RoHS.

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

| APPROVED | CHECKED | DRAWING |
|---|---|---|
| | | Albert |

# SMA8400A-9113

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