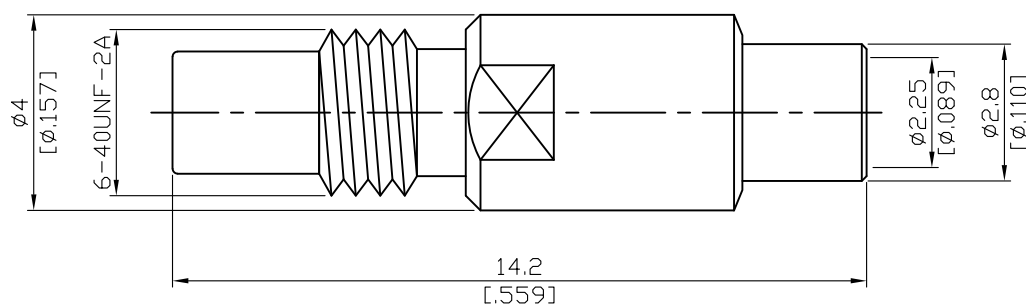


SSMC8300-0085

SSMC Jack Solder For RG405  
11GHz VSWR 1.3

50Ω



| Parts       | Material | Plating ( Micro-inch )                                |
|-------------|----------|-------------------------------------------------------|
| Barrel      | Brass    | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Pin | Brass    | 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: .085 Semi-Rigid, .085 Formable, RG405

This part number complies with RoHS.

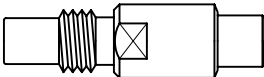
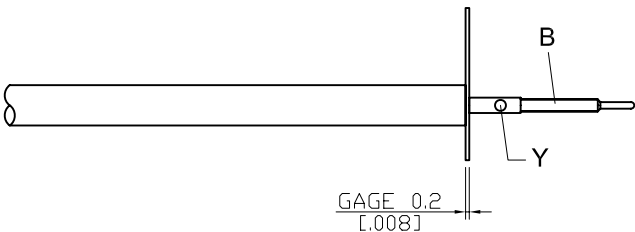
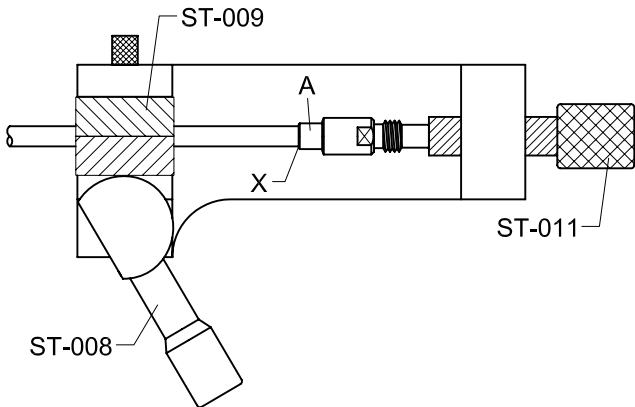
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| SSMC                                           |        | SSMC8300-0085                                   |        |
|------------------------------------------------|--------|-------------------------------------------------|--------|
| <b>Electrical Data</b>                         |        |                                                 |        |
| Impedance                                      |        | 50Ω                                             |        |
| Frequency range                                |        | DC to 11GHz                                     |        |
| VSWR                                           |        | $\leq 1.3$ (DC to 11GHz)                        |        |
| Insertion loss                                 |        | $\leq 0.1 \times \sqrt{f(\text{GHz})}\text{dB}$ |        |
| Insulation resistance                          |        | $\geq 10000\text{M}\Omega$                      |        |
| Contact resistance inner conductor             |        | $\leq 5\text{m}\Omega$                          |        |
| Contact resistance outer conductor             |        | $\leq 2.5\text{m}\Omega$                        |        |
| Dielectric withstanding voltage (at sea level) |        | 500 V rms                                       |        |
| Working voltage (at sea level)                 |        | 175 V rms                                       |        |
| RF- leakage                                    |        | $\geq 70\text{dB}$ to 1GHz                      |        |
| <b>Mechanical Data</b>                         |        |                                                 |        |
| Recommended coupling nut torque                |        | 1.8 to 2 inch lbs                               |        |
| Coupling proof torque                          |        | 2.6 inch lbs                                    |        |
| Contact captivation-axial                      |        | $\geq 1.8$ lbs                                  |        |
| Durability (mating)                            |        | $\geq 500$                                      |        |
| <b>Environmental Data</b>                      |        |                                                 |        |
| 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                                       |        |
| <b>Tooling</b>                                 |        |                                                 |        |
| Soldering gauge                                | ST-0.2 | Soldering fixture                               | ST-008 |
| Locator tool                                   | ST-011 | Insert for .085 semi-rigid cable                | ST-009 |

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

# JYE BAO CO., LTD.

## CABLE ASSEMBLY INSTRUCTION

|                                                                                                                     |  |                                                                                                                                      |            |         |   |
|---------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---|
| SSMC8300-0085                                                                                                       |  | DATE                                                                                                                                 | 2016/07/20 | REV     | — |
| A                                                                                                                   |  | B                                                                                                                                    |            |         |   |
|                                    |  |                                                    |            |         |   |
| BODY                                                                                                                |  | CONTACT PIN                                                                                                                          |            |         |   |
| DIAGRAM                                                                                                             |  | ASSEMBLY INSTRUCTION                                                                                                                 |            |         |   |
|                                   |  | Step 1: STRIP AS SHOWN.                                                                                                              |            |         |   |
|                                  |  | Step 2: PUT 0.2 MM GAGE IN PLACE, INSERT CABLE'S CENTER CONDUCTOR INTO CENTER PIN " B " AND SOLDER IN " Y ".                         |            |         |   |
|                                  |  | Step 3: USE SOLDERING FIXTURE " ST-008 " , INSERT TOOL " ST-009 " 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  |   |

# SSMC8300-0085

