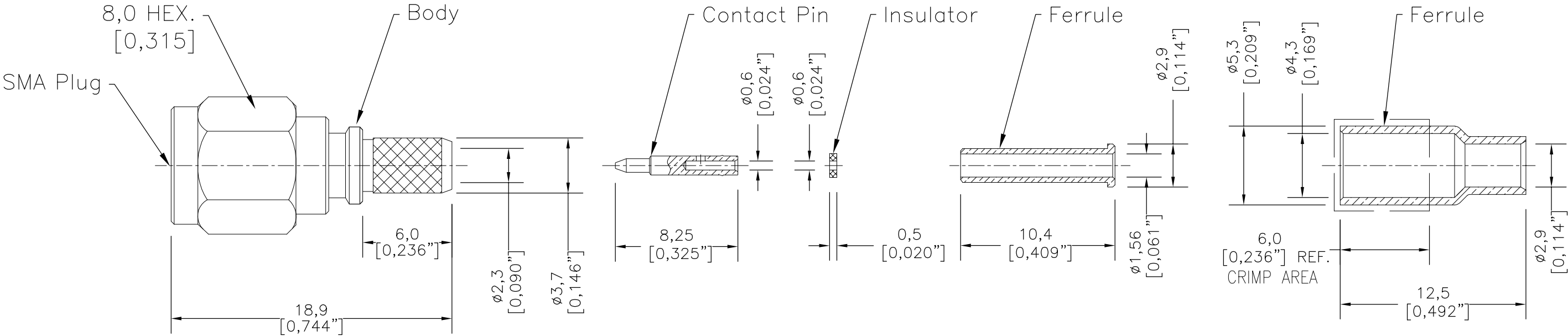


| SYM | REVISION DESCRIPTION    | DFTM     | DATE       | APPD     | DATE       |
|-----|-------------------------|----------|------------|----------|------------|
| A   | RELEASED FOR PRODUCTION | JCL      | 2007.02.01 | JDB      | 2007.02.01 |
| B   | Optimized performance   | Joslen.W | 2015.04.27 | Tony.Z   | 2015.04.27 |
| C   | Correct CAP file        | Monica.W | 2018.11.27 | Joslen.W | 2018.11.27 |



**I. MATERIALS & FINISHES**

| Components   | Materials | Finishes | Thk. (μ") |
|--------------|-----------|----------|-----------|
| Body         | Brass     | Nickel   | 200       |
| Center Cont. | Brass     | Gold     | 15        |
| Ferrule      | Brass     | Nickel   | 200       |
| Nut          | Brass     | Nickel   | 200       |
| Insulator    | PTFE      | --       | --        |
| Gasket       | Silicone  | --       | --        |

**III. ENVIRONMENT PROPERTIES**

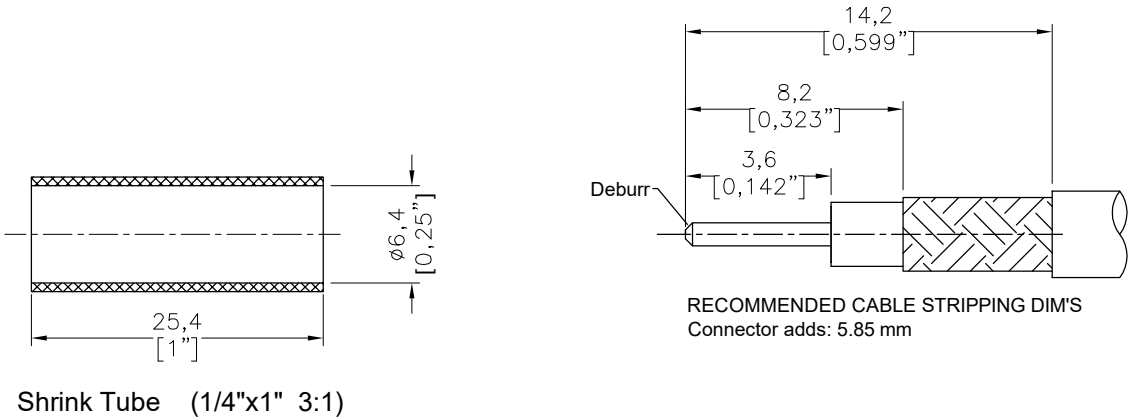
|                    |                                |
|--------------------|--------------------------------|
| Temperature Range: | -40°c~+125°c                   |
| Thermal Shock:     | MIL-STD 202G, Meth.107, Cond.D |
| Vibration:         | MIL-STD 202G, Meth.204, Cond.D |
| Shock:             | MIL-STD 202G, Meth.213, Cond I |
| Climatic Class:    | IEC 60068 55/155/21            |
| RoHS:              | Compliant                      |

**II. ELECTRICAL PROPERTIES**

|                                      |                              |
|--------------------------------------|------------------------------|
| Impedance (Ω):                       | 50                           |
| Frequency Range (GHz):               | DC to 6 GHz                  |
| Dielectric Withstanding Voltage (V): | 500                          |
| Insulation Resistance (MΩ):          | ≥5000                        |
| VSWR:                                | ≤1.2(0-3GHz)<br>≤1.3(3-6GHz) |
| Insertion Loss(dB, f/GHz):           | -0.1x √f                     |

**IV. MECHANICAL PROPERTIES**

|                                      |        |
|--------------------------------------|--------|
| Center Cont.:                        | Solder |
| Outer Cont.:                         | Crimp  |
| Coupling Nut Torque (in.lbs):        | 7-10   |
| Cbl-Connector Retention Force (lbs): | 20     |
| Durability (cycles):                 | 500    |



Compatible with Standard: IEC 60169-15

|            |      |                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                       |       |            |      |                                                                                                                                                                            |  |   |        |           |   |   |
|------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--------|-----------|---|---|
| MATL:      |      | UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                             |  |  |  | DFTM.                                                                                                                                                                                 |       | JCL        |      | <div><div>TIMES</div><div>MICROWAVE SYSTEMS</div><div>An Amphenol Company</div></div> |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  | DATE                                                                                                                                                                                  |       | 2007.02.01 |      |                                                                                                                                                                            |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  | CHKD                                                                                                                                                                                  |       | JDB        |      |                                                                                                                                                                            |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  | DATE                                                                                                                                                                                  |       | 2007.02.01 |      |                                                                                                                                                                            |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  | APPD                                                                                                                                                                                  |       | JDB        |      |                                                                                                                                                                            |  |   |        |           |   |   |
| USED ON: O |      | ALL DIMENSIONS ARE IN mm<br>MACHINED SURFACES FINISH 1.6 RMS MAX.<br>REMOVE ALL BURRS 0.15X45° MAX. BREAK<br>MACHINE CORNERS 0.15X45° D MAX. FILLET<br>R. TOLERANCES ON DECIMALS<br>.X ±0.3    .XX ±0.15<br>ANGLES ±2° FRACTIONS ± N/A |  |  |  | <div></div> |       |            |      | SC-100-SM<br>SMA Male (Plug) Straight Solder Pin<br>Connector for LMR-100A Cable                                                                                           |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                       |       |            |      |                                                                                                                                                                            |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                       |       |            |      |                                                                                                                                                                            |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                       |       |            |      |                                                                                                                                                                            |  |   |        |           |   |   |
|            |      |                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                       |       |            |      |                                                                                                                                                                            |  |   |        |           |   |   |
| SCALE:     | DWG  | DO NOT SCALE DRAWING                                                                                                                                                                                                                   |  |  |  | CODE                                                                                                                                                                                  | 68999 |            | DATE | 2007.02.01                                                                                                                                                                 |  | S | 1 OF 1 | 3190-2245 | R | C |
| N/A        | SIZE |                                                                                                                                                                                                                                        |  |  |  | IDENT                                                                                                                                                                                 |       |            |      |                                                                                                                                                                            |  | H |        |           | E |   |
| A4         |      |                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                       |       |            |      |                                                                                                                                                                            |  |   |        |           |   |   |