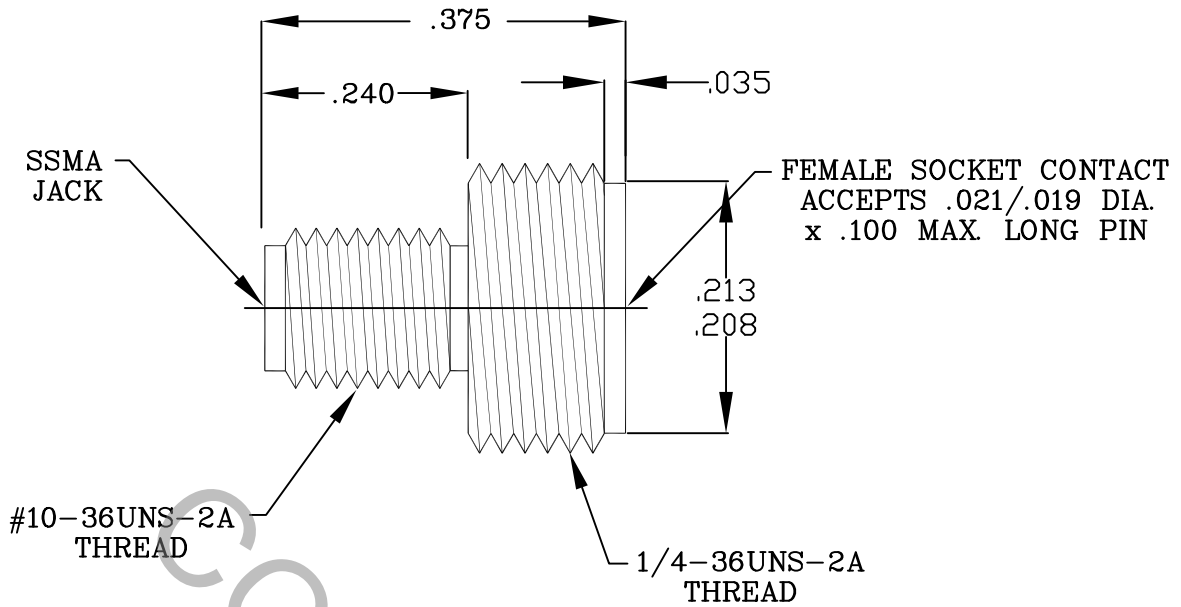


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 319.2 (SSMA, JACK).

## 2. ELECTRICAL

|   |                                  |
|---|----------------------------------|
| FREQUENCY RANGE GHz                         | DC TO 36.0 GHz.                  |
| VSWR (MAX) *                                | 1.07 + .010 x FGHz.              |
| INSERTION LOSS (dB MAX.)                    | .045 dB x $\sqrt{\text{FGHz}}$ . |
| NOMINAL IMPEDANCE (OHMS)                    | 50                               |
| RF LEAKAGE (MIN. dB DOWN)                   | 100 dB - FGHz.                   |
| TEMPERATURE RATING (DEGREES CENTIGRADE)     | -65° c TO +165° c                |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | 500                              |
| INSULATION RESISTANCE (MIN. MEGOHMS)        | 5,000                            |
| CONTACT RESISTANCE                          |                                  |
| • CENTER CONTACT (MAX. MILLIOHMS)           | 6.0                              |
| • OUTER CONTACT (MAX. MILLIOHMS)            | 2.0                              |

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

| REV. | DCN NO. | DATE     | APP. | DIMENSIONS ARE IN INCHES<br>TOLERANCES            |              |                         | <br>INCORPORATED<br>HAVERHILL, MA 01835             |
|------|---------|----------|------|---|--------------|-------------------------|---|
|      |         |          |      | DECIMALS  | FRACTIONAL   | ANGULAR                 |   |
| AA   | 10-1716 | 8/9/10   | TS   | .X ± .030<br>.XX ± .010<br>.XXX ± .005            | ± 1/64       | X° ± 10'<br>X° X' ± 15' | <b>TITLE</b><br>SSMA, JACK<br>STRAIGHT<br>THREAD-IN |
| AB   | 12-1962 | 10/17/12 | TS   | SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$ . |              |                         |   |
| AC   | 12-2088 | 11/8/12  | TS   | DRAWN   | TS           | DATE 8/9/10             |   |
| AD   | 13-1494 | 4/5/13   | TS   |   |              |                         | <b>DWG. NO.</b> 9330-0081-6221                      |
| BA   | 13/1579 | 4/19/13  | TS   | APPROVED  | DC           | DATE 8/9/10             |   |
|      |         |          |      | CODE IDENT.                                       |              |                         |   |
|      |         |          |      | 2J899   | SHEET 1 OF 2 |                         |   |

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 48.0, REAR 36.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 1.0, REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN./LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

### RECOMMENDED MATING TORQUE

INTERFACE \_\_\_\_\_ 6.0 TO 8.0 IN./LBS.

## 4. ENVIRONMENTAL

SHOCK \_\_\_\_\_ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION \_\_\_\_\_ MIL-STD-202, METHOD 204, COND. D (20 G's)

MOISTURE RESISTANCE \_\_\_\_\_ MIL-STD-202, METHOD 106, LESS STEP 7b

CORROSION \_\_\_\_\_ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

## 5. MATERIAL

CONNECTOR BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS C 17300, TEMPER TD04

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5  
(.000100-.000150 THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1  
(.000050-.000120 THK.).

INSULATOR \_\_\_\_\_ N/A