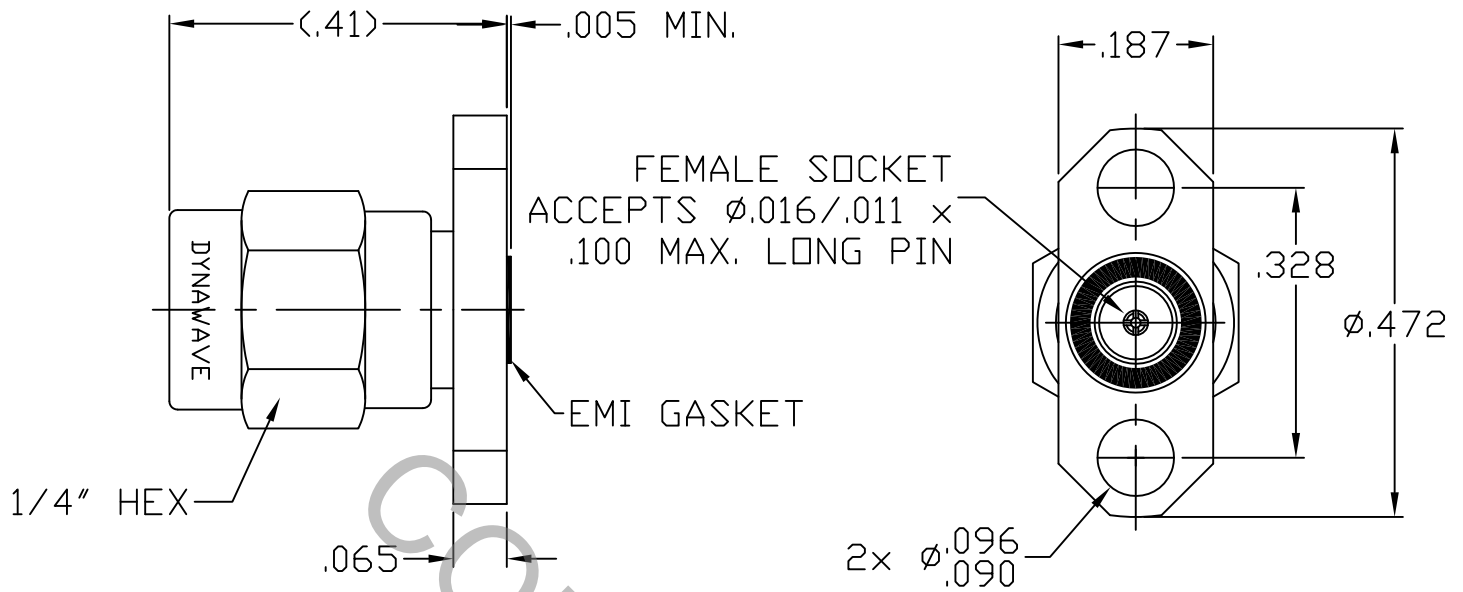


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 319.1 (SSMA, PLUG).

## 2. ELECTRICAL

|   |       |                               |
|---|-------|-------------------------------|
| FREQUENCY RANGE GHz                         | _____ | DC TO 36.0 GHz                |
| VSWR (MAX.) *                               | _____ | 1.10 + .010 x FGHz            |
| INSERTION LOSS (dB MAX.) *                  | _____ | .04 dB x $\sqrt{\text{FGHz}}$ |
| NOMINAL IMPEDANCE (OHMS)                    | _____ | 50                            |
| VOLTAGE RATING (MAX. VRMS)                  | _____ | 250                           |
| RF LEAKAGE (MIN. dB DOWN)                   | _____ | -100 dB - FGHz                |
| TEMPERATURE RATING (DEGREES CENTIGRADE)     | _____ | -65°c TO + 165°c              |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | _____ | 750                           |
| INSULATION RESISTANCE (MIN. MEGOHMS)        | _____ | 5,000                         |
| CONTACT RESISTANCE                          |       |                               |
| • CENTER CONTACT (MAX. MILLIOHMS)           | _____ | 8.0                           |
| • 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>HAVERHILL, MA 01835        |
|------|---------|--------|------|--|----------------------|--|--------------------------------|
| AA   | 09-1101 | 2/3/09 | TS   | DECIMALS<br>.X ± .030<br>.XX ± .010<br>.XXX ± .005 | FRACTIONAL<br>± 1/64 | ANGULAR<br>X ° ± 1° 0'<br>X ° X' ± 15'   |                                |
|      |         |        |      | DRAWN TS   | DATE 2/3/09          | <b>TITLE</b><br>SSMA JACK<br>2 HOLE FLANGE<br>FIELD REPLACEABLE<br>WITH EMI GASKET |                                |
|      |         |        |      | APPROVED DC  | DATE 2/3/09          |  |                                |
|      |         |        |      | CODE IDENT.<br>2J899                               | SHEET 1 OF 2         |  | <b>DWG. NO.</b> 9252-0781-6215 |

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE \_\_\_\_\_ 4.5 LBS.

MAX RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

● INSERTION (MAX OUNCES) \_\_\_\_\_ INTERFACE 32.0, REAR 32.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0, REAR 1.0

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

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

RECOMMENDED MATING TORQUE \_\_\_\_\_ 5 - 8 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65° c TO +165° c )

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)

BAROMETRIC PRESSURE (ALTITUDE) \_\_\_\_\_ MIL-STD-202, METHOD 105, COND. C ( 70,000 FT. ) ( 190 VRMS )

## 5. MATERIAL

BODY & COUPLING NUT \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT & RETAINING RING \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

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

EMI GASKET \_\_\_\_\_ SILVER PLATED ALUMINUM IN SILICONE

GASKET \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765.

## 6. FINISH

BODY & COUPLING NUT \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2.

CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL per QQ-N-290 (.000050 MIN. THK.) OVER COPPER per MIL-C-14550 (.000010 MIN. THK.)

INSULATOR, RETAINING RING, GASKET & EMI GASKET \_\_\_\_\_ N/A