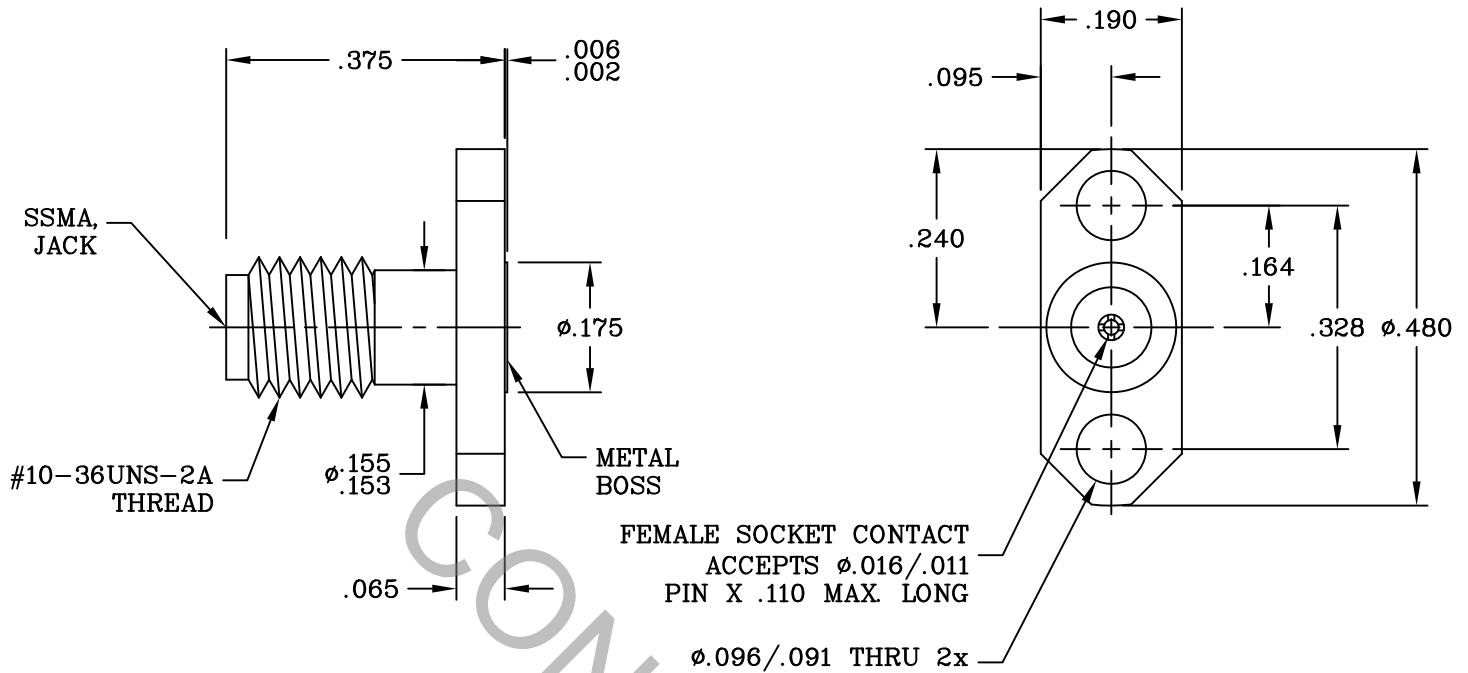


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS per DYNAWAVE SPECIFICATION MD-93 (SSMA, JACK)

2. ELECTRICAL

| | |
|---|-------------------------------|
| FREQUENCY RANGE GHz | DC TO 36.0 GHz |
| VSWR (MAX.) * | 1.05 + .006 x FGHz |
| INSERTION LOSS (dB MAX.) * | .03 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) | 10,000 |
| CONTACT RESISTANCE | |
| • CENTER CONTACT (MAX. MILLIOHMS) | 4.0 |
| • OUTER CONTACT (MAX. MILLIOHMS) | 2.0 |

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

| REV. | DCN NO. | DATE | APP. | DIMENSIONS ARE IN INCHES TOLERANCES | | | HAVERHILL, MA. 01835 |
|------|---------|----------|------|--|--------------|----------------------------|--|
| | | | | DECIMALS | FRACTIONAL | ANGULAR | |
| AA | 03-1569 | 5/2/03 | DC | .X ± .030 .XX ± .010 .XXX ± .005 | ±/64 | X ° ± 1 0' X ° X' ± 15' | TITLE SSMA, JACK 2 HOLE FLANGE FIELD REPLACEABLE |
| AB | 05-2067 | 10/18/05 | DC | | | | |
| AC | 06-1166 | 2/13/06 | DC | DRAWN | GE | DATE 4/30/03 | |
| AD | 08-1814 | 9/11/08 | DC | | | | |
| AE | 14-1738 | 6/17/14 | TS | APPROVED | DC | DATE 5/2/03 | |
| | | | | CODE IDENT. | | | DWG. NO. 9352-0881-6200 |
| | | | | 2J899 | SHEET 1 OF 2 | | |

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX. AXIAL FORCE _____ 6.0 LBS.

MAX. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE 48.0 OZ. / FLANGE 32.0 OZ.

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0 OZ. / FLANGE END 1.0 OZ.

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. 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 + 200 °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 _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM-D-1711-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)

INSULATOR _____ N/A