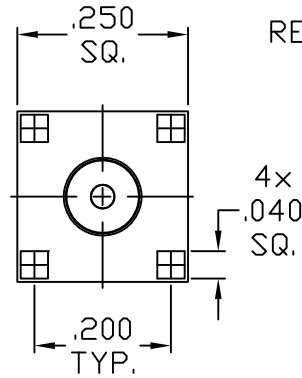
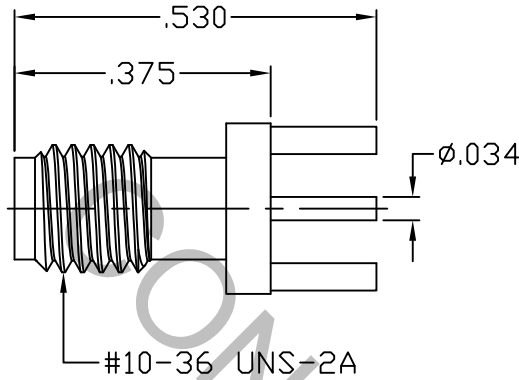
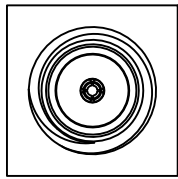
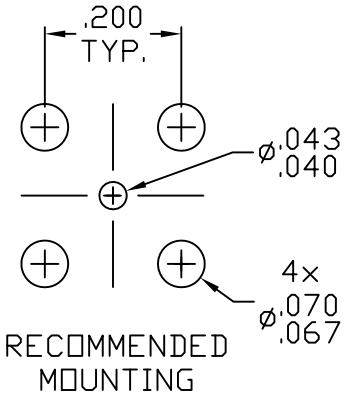
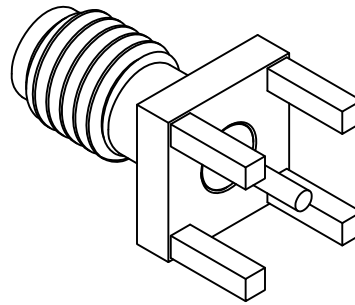
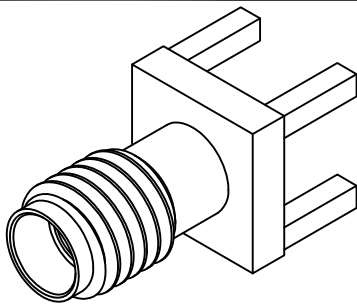


SPECIFICATION

CONTROL

DRAWING



RECOMMENDED MOUNTING

1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 319.2 (SSMA JACK).

2. ELECTRICAL

| | |
|---|-------------------------------|
| FREQUENCY RANGE GHz | DC TO 8.0 GHz |
| VSWR (MAX) * | 1.07 + .015 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) | 3.0 |
| • 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 | 06-1703 | 5/31/06 | DC | .X ± .030 | | X ° ± 1° 0' | TITLE SSMA JACK 4 POST PCB MOUNT |
| AB | 16-2563 | 12/14/16 | DC | .XX ± .010 .XXX ± .005 | ± 1/64 | X ° X' ± 15' | |
| | | | | DRAWN DC | DATE 5/31/06 | | DWG. NO. 9320-0031-6400 |
| | | | | APPROVED DC | DATE 5/31/06 | | |
| | | | | CODE IDENT. 2J899 | SHEET 1 OF 2 | | |

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 4.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 1.0

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 + 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 _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT _____ 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

6. FINISH

BODY _____ 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 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)
(.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, 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