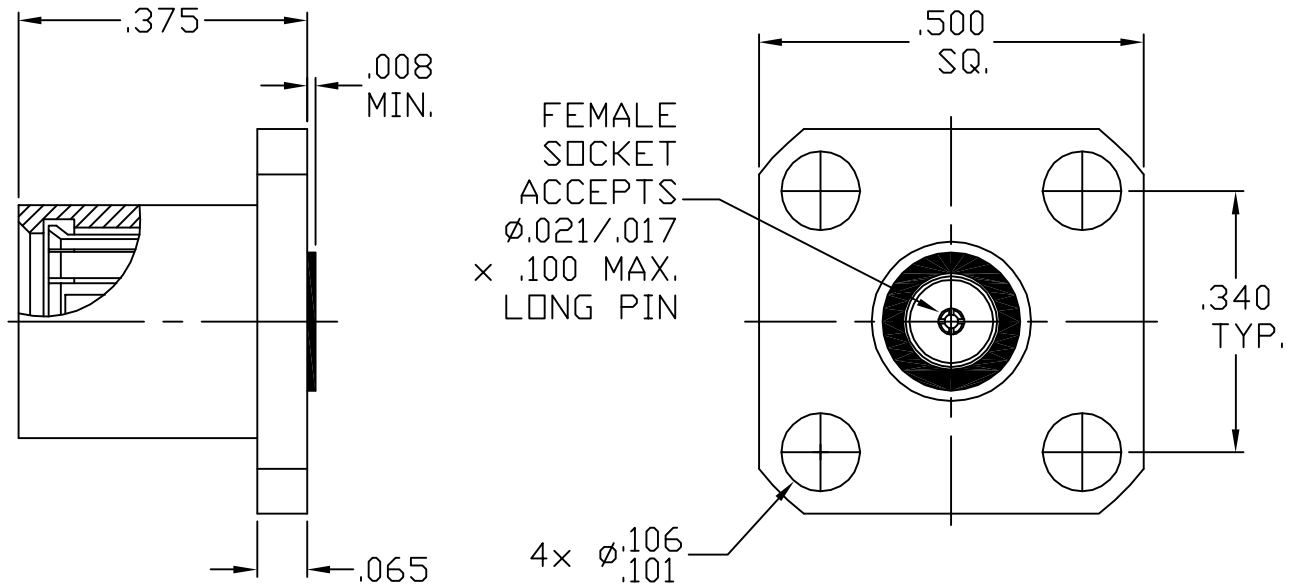


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 321-2 (BMA, JACK)

2. ELECTRICAL

- FREQUENCY RANGE GHz _____ DC TO 26.5 GHz
 VSWR (MAX.) * _____ SEE SHEET 3
 INSERTION LOSS (dB MAX.)
 • DYNAMATE INTERFACE GAP (.000 TO .010) _____ .035 dB x \sqrt{FGHz}
 • DYNAMATE INTERFACE GAP (.011 TO .020) _____ .050 dB x \sqrt{FGHz}
 NOMINAL IMPEDANCE (OHMS) _____ 50
 VOLTAGE RATING (MAX. VRMS) _____ 250
 RF LEAKAGE (MIN. dB DOWN)
 • DYNAMATE INTERFACE BOTTOMED (.000 GAP) _____ 100 dB - FGHz
 • DYNAMATE INTERFACE GAP (.001 TO .010) _____ 90 dB - FGHz.
 • DYNAMATE INTERFACE GAP (.011 TO .020) _____ 75 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) _____ 6.0
 • OUTER CONTACT (MAX. MILLIOHMS) _____ 2.0
 * TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA 01835
AA	07-1458	4/30/07	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1' 0" X ° X' ± 15'	
				DRAWN DC	DATE 4/30/07	TITLE BMA JACK 4 HOLE FLANGE FIELD REPLACEABLE	
				APPROVED DC	DATE 4/30/07		
				CODE IDENT. 2J899	SHEET 1 OF 3	DWG. NO. 6754-0781-6224	

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) _____ 32.0 FRONT, 32.0 REAR

● WITHDRAWAL (MIN. OUNCES) _____ 2.0 FRONT, 1.0 REAR

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ N/A

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

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

CENTER CONTACT HOOD _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.

INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 2, GRADE 1, CLASS A.

EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE RUBBER.

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.

CENTER CONTACT ASSEMBLY & SPRING FINGERS _____ 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 & EMI GASKET _____ N/A

SPECIFICATION CONTROL DRAWING

