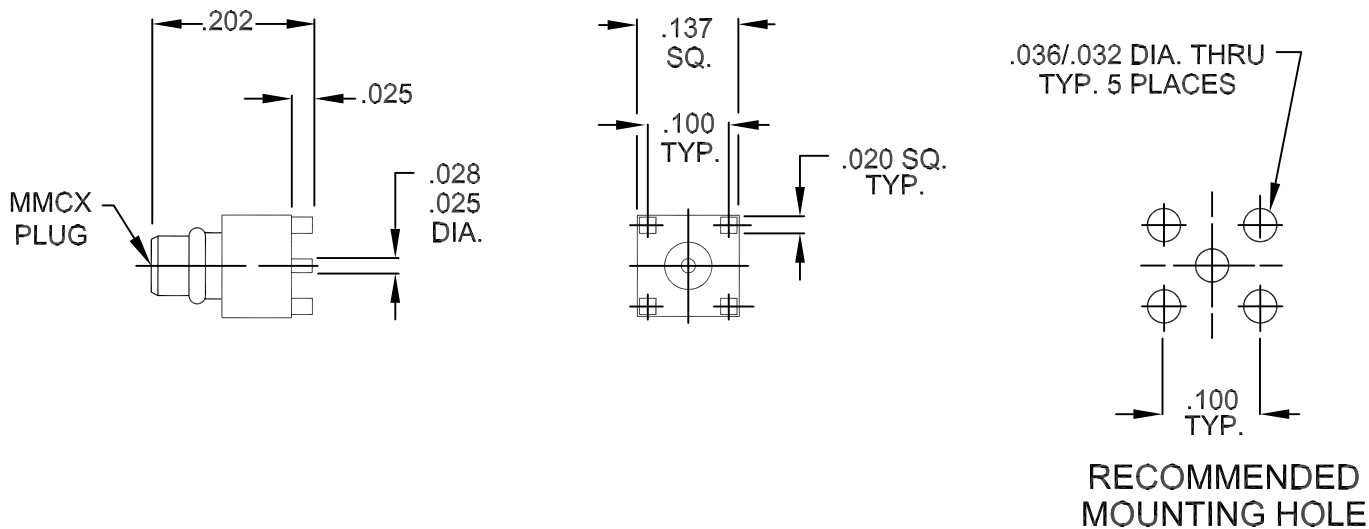


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS DESIGN IN ACCORDANCE WITH CECC 22000, MMCX, JACK AND DYNAWAVE SPECIFICATION MD-24.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 6.0 GHz.
VSWR (MAX) *	_____	1.10 + .010 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.05 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	170
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 ° c TO +150 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	2,500
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	4.0
• 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	06-1741	6/11/06	TS	DECIMALS .X +.030 .XX ± .010 .XXX ± .005	FRACTIONAL 1/64	ANGULAR X ° ± 1' 0" X ° X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			TITLE MMCX, PLUG STRAIGHT, 4 POST THRU HOLE, SOLDER MOUNT
				DRAWN	TS	DATE 6/11/06	
				APPROVED	DC	DATE 6/11/06	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 2420-0031-2401
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.0 lbs.
- MIN. RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. LBS.) _____ 3.0
- WITHDRAWAL (MIN. LBS.) _____ 0.5

CONNECTOR DURABILITY (MIN. MATING) _____ 500

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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

CENTER CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY NO. UNS C17300 TEMPER TD04.

INSULATOR _____ TEFLON PER D 1710

6. FINISH

CONNECTOR BODY AND RETAINING RING _____ GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.70 (.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER MIL-C-14550, (.000010 MIN. THK.)

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER MIL-C-14550, (.000040 MIN. THK.)

INSULATOR _____ N/A