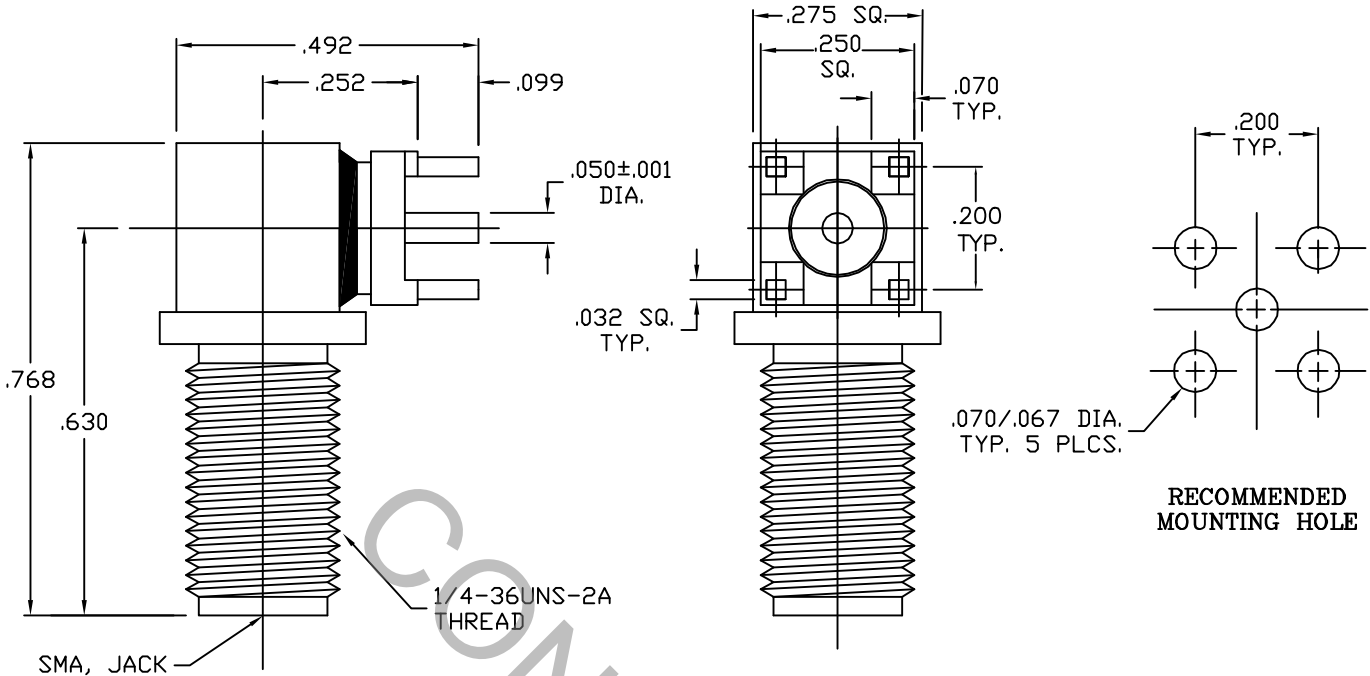


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2) SMA, JACK AND DYNAWAVE SPECIFICATION MD-99.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 12.5 GHz.
VSWR (MAX.) *	1.45
INSERTION LOSS (dB MAX.)	.10
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	02-0137	2/25/02	BN	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				DRAWN GE	DATE 2/25/02	TITLE SMA, JACK RIGHT ANGLE 4 POST, P.C. MOUNT STRAIGHT TERMINAL	
				APP. BN	DATE 2/25/02		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO.	9921-0031-2300

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ 4.0 IN. OZ.

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
 - WITHDRAWAL (MIN. OUNCES) _____ 2.0
- CONNECTOR DURABILITY (MIN. MATING) _____ 500

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

- CONNECTOR BODY _____ PHOSPHOR BRONZE BZ4 CONSISTING OF Cu 88%, Zn 4.0%, Pb 4.0%.
NOTE: NO Fe (IRON) PERMISSABLE.
- CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
- INSULATOR _____ TEFLON PER D 4894

6. FINISH

- CONNECTOR BODY _____ "TRI-M-M3" ALLOY, 55%-60% COPPER, 25%-28% TIN
AND 14%-18% ZINC. .0001 TO .0002 THICK.
- CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2
OVER COPPER PER MIL-C-14550 (.000010 MIN.)
- INSULATOR _____ N/A