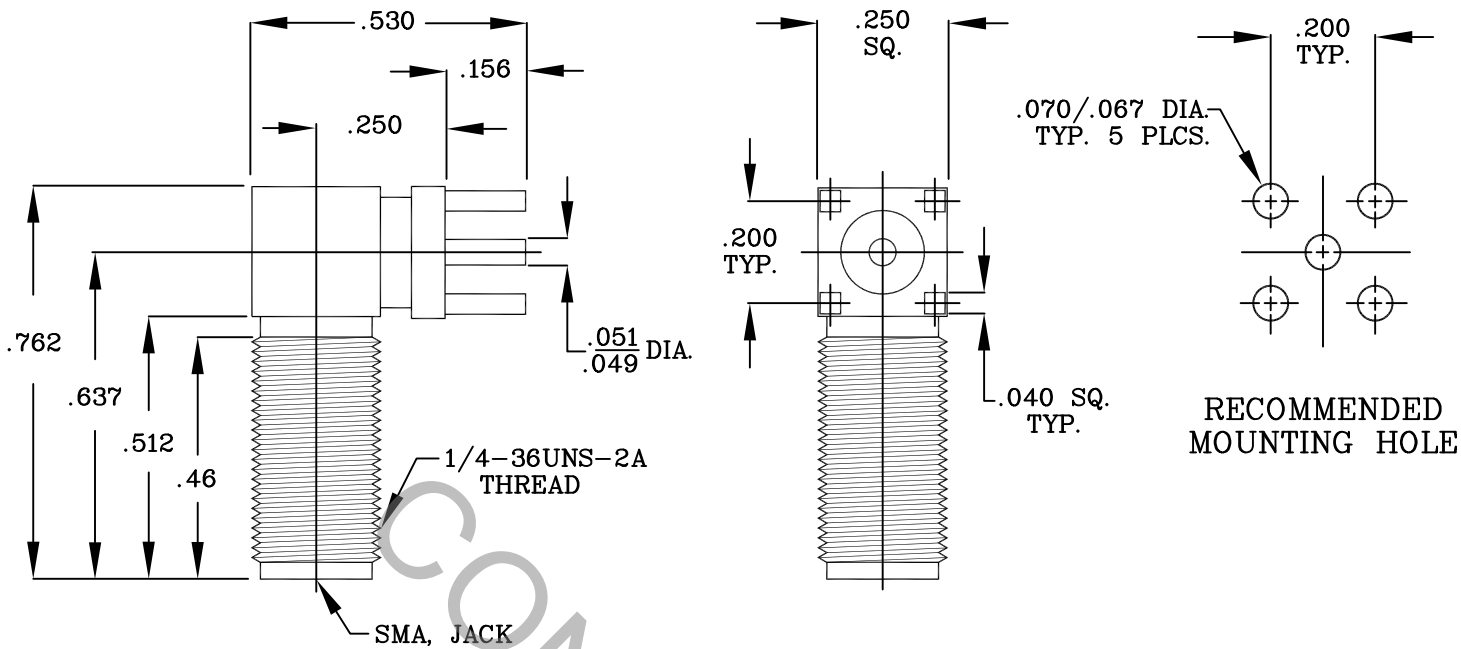


SPECIFICATION CONTROL DRAWING



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.) *	_____	N/A
INSERTION LOSS (dB MAX.) *	_____	N/A
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	HAVERHILL, MA 01835
-	1072	3/94	G. L.	DECIMALS FRACTIONAL ANGULAR .X ± .030 1/64 X° ± 15' .XX ± .010 X° ± 15' .XXX ± .005	
A	1072	3/94	G. L.	SURFACE ROUGHNESS 63 √ MIL-STD 10.	
B	1086	4/94	G. L.	DRAWN G. L. DATE 3/94	TITLE SMA, JACK 4 POST, P.C. MOUNT STRAIGHT TERMINAL
				APPROVED G. L. DATE 3/94	
				CODE IDENT. 2J899	DWG. NO. 9921-0031-6455
				SHEET 1 OF 2	

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.) (250 VRMS)

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS C 17300, TEMPER TD04
INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

CONNECTOR BODY _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS),
(.000010 MIN. THK.).

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5
(.00010 MIN. THK.) OVER NICKEL PER QQ-N-290,
(.000050 MIN THK.) OVER COPPER PER MIL-C-14550
(.000010 MIN. THK.).

INSULATOR _____ N/A