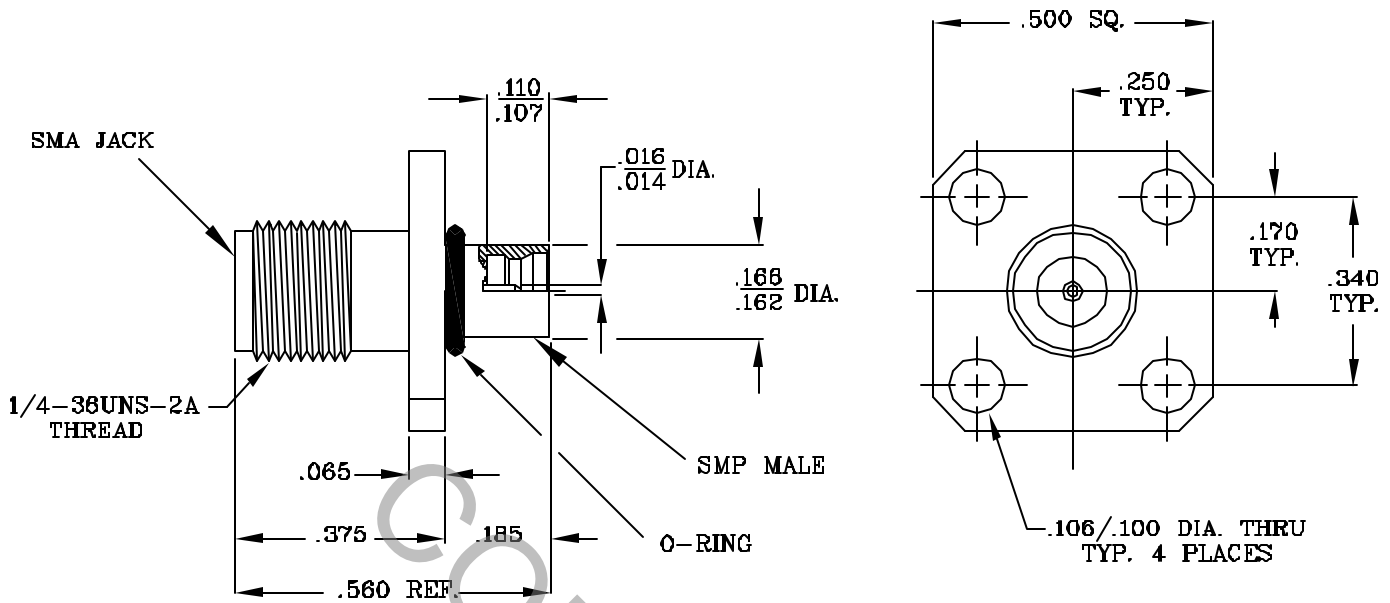


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPEC. MD-21 AND MD-99  
(MIL-STD-348, Fig. 310-2).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.)	_____	1.05 + .010 x FGHZ.
INSERTION LOSS (dB MAX.)	_____	.04 dB x $\sqrt{\text{FGHZ.}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	190
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)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

☼ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA 01835
AA	03-1292			DECIMALS X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1° 0' X° X' ± 15'	
				SURFACE ROUGHNESS 63 <input checked="" type="checkbox"/> MIL-STD 10.			TITLE SMA JACK 4 HOLE PANEL MOUNT TO SMP MALE FULL DETENT ADAPTER
				DRAWN	DC	DATE 3/4/03	
				APPROVED			DATE
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1154-2199-6252
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### SMA ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ 500

### SMP ENGAGEMENT FORCES

- INSERTION (MAX. POUNDS) \_\_\_\_\_ 15.0
- WITHDRAWAL (MIN. POUNDS) \_\_\_\_\_ 5.0

## 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

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT

CONNECTOR BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A

INSULATOR \_\_\_\_\_ TEFLON PER D 1457.

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER QQ-P-35A

CENTER CONTACT \_\_\_\_\_ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2  
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR \_\_\_\_\_ N/A