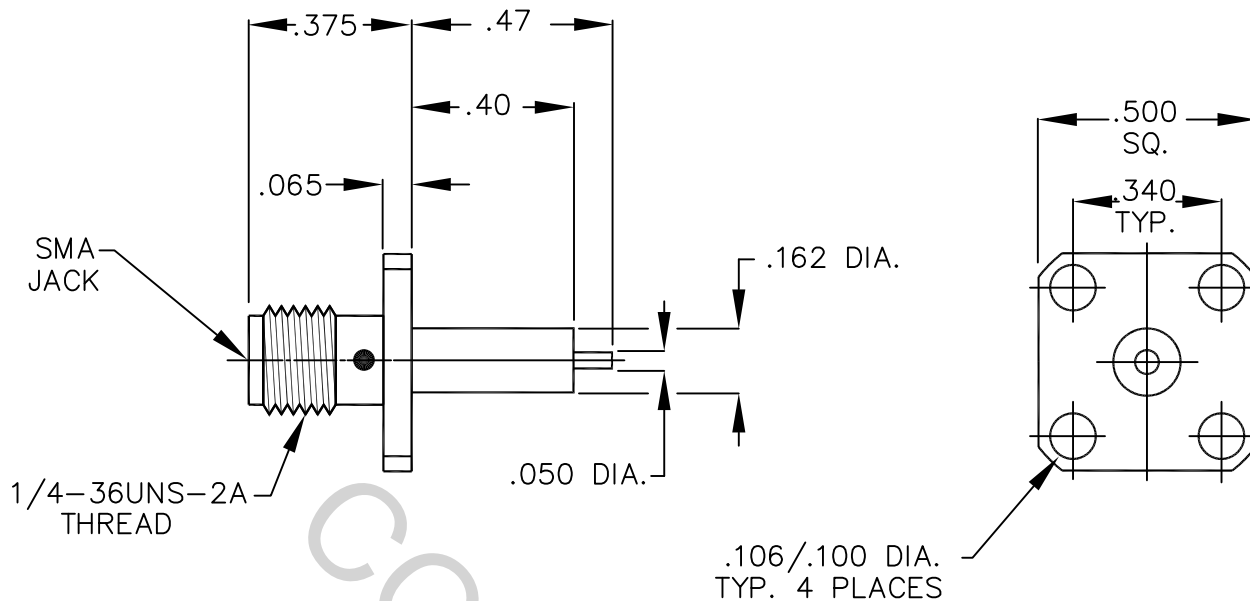


# SPECIFICATION CONTROL DRAWING



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 18.0 GHz.
VSWR (MAX.) *	_____	1.05 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.040 dB x FGHz.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
RF LEAKAGE (MIN. dB DOWN)	_____	80 dB - FGHz.
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

This Document contains proprietary and confidential information.

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
—	1141	4/95	T.S.	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1 0' X ° X' ± 15'	
AA	18-1658	6/12/18	DC				
				DRAWN	T.S.	DATE	4/95
				APPROVED	T.S.	DATE	4/95
				CODE IDENT.			
				2J899		SHEET 1 OF 2	
						DWG. NO.	9954-0032-2349

TITLE      SMA, JACK  
4 HOLE FLG. MOUNT  
.050 DIA. PIN TERMINATION  
(EPOXY CAPTURE)

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MAX.AXIAL FORCE \_\_\_\_\_ 6.0 LBS.

MAX. RADIAL TORQUE \_\_\_\_\_ 4.0 IN. OZ.

### CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

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

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

RECOMMENDED MATING TORQUE \_\_\_\_\_ 7 - 10 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 °c TO + 200°)

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. ) ( 190RMS )

## 5. MATERIAL

BODY \_\_\_\_\_ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY  
No. UNS-C17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710, TYPE 1, GRADE 1, CLASS B.

## 6. FINISH

BODY \_\_\_\_\_ GOLD PER ASTM B 488, TYPE II, CODE C, 1.27  
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290,  
(.000150 MIN. THK.) OVER COPPER PER AMS-2418  
(.000010 MIN. THK.)

CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 2, CODE C, 1.27  
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290,  
(.000050 MIN. THK.) OVER COPPER AMS-2418  
(.000010 MIN. THK.)

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