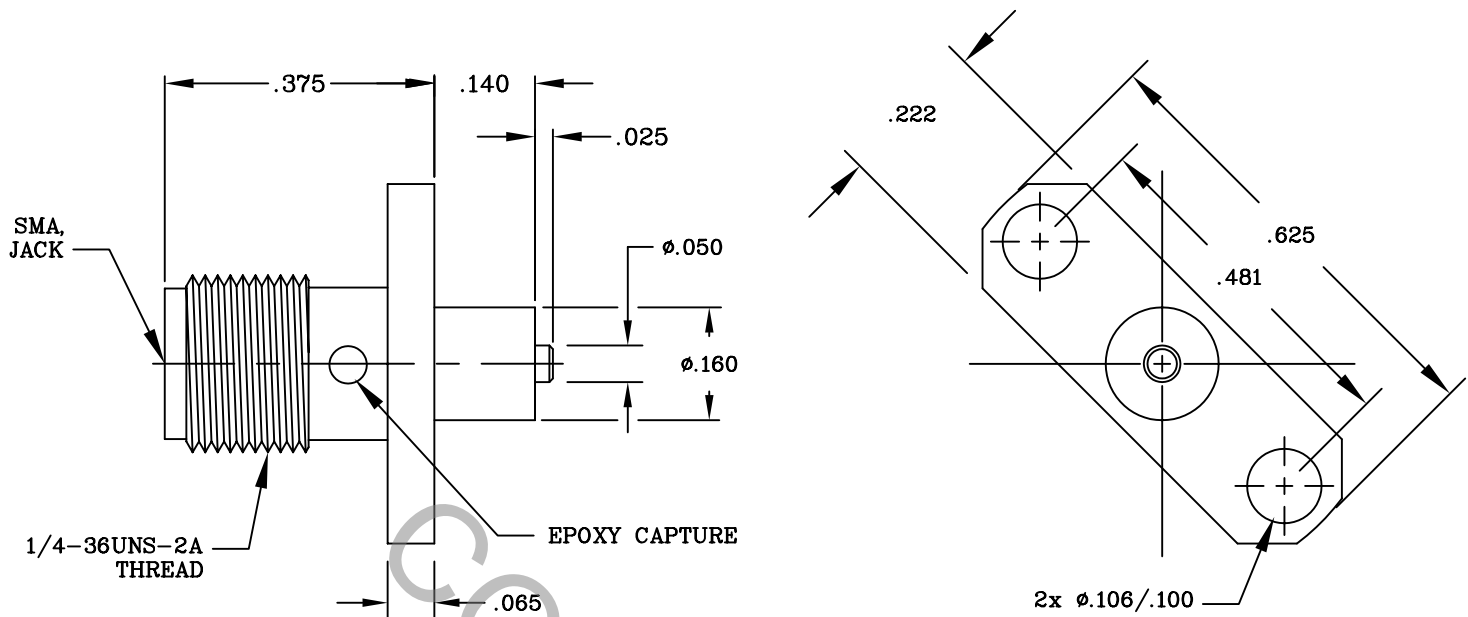


# SPECIFICATION CONTROL DRAWING




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)	_____	90 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 °c TO + 150 °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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	05-2190	11/10/05	TS	.X ±.030 .XX ±.010 .XXX ±.005	±/64	X ° ±1 0' X ° X' ±15'	TITLE SMA, JACK 2 HOLE FLG. MOUNT STRAIGHT TERMINAL
				DRAWN TS	DATE 11/10/05		
				APPROVED DC	DATE 11/10/05		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9952-0032-2402	

# 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 + 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. ) ( 250 VRMS )

## 5. MATERIAL

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

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY  
UNS C 17800, TEMPER TD04

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 4894-91

## 6. FINISH

BODY \_\_\_\_\_ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.5  
(.000020 Minimum Thickness) OVER NICKEL per  
QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER  
COPPER per MIL-C-14550 (.000040 Minimum Thickness).

CONTACT \_\_\_\_\_ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2  
(.000020 Minimum Thickness) OVER NICKEL per  
QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER  
COPPER per MIL-C-14550 (.000040 Minimum Thickness).

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