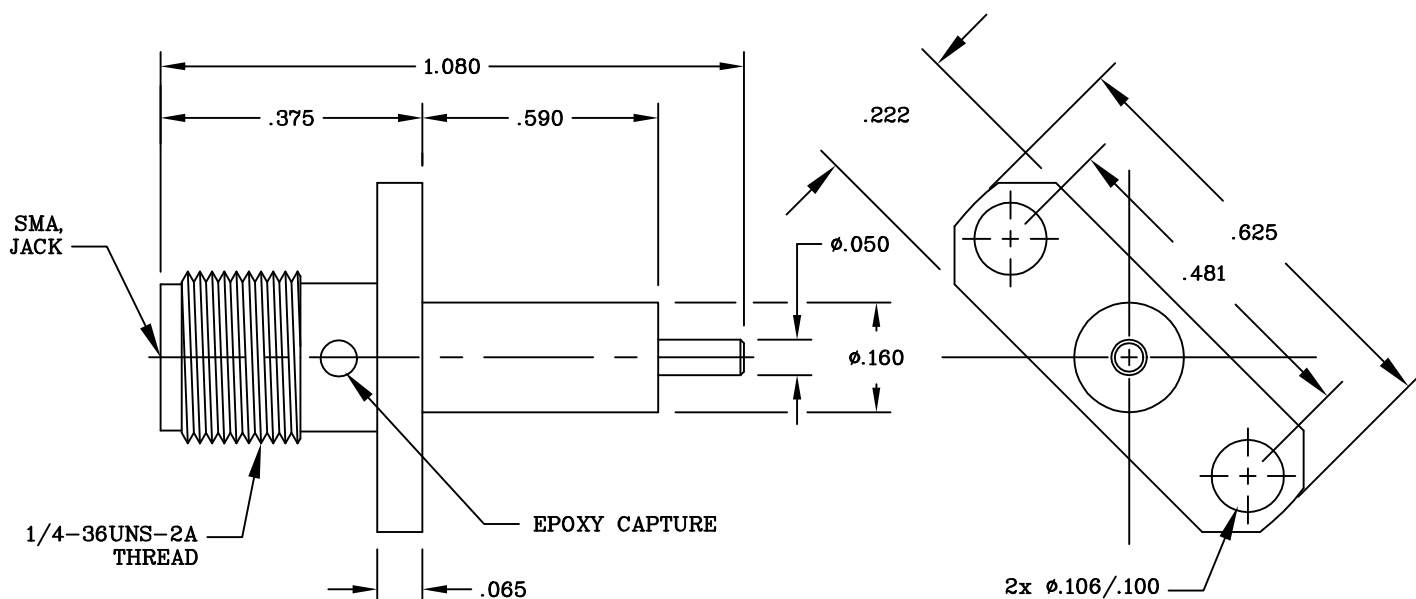


SPECIFICATION CONTROL DRAWING



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 $\sqrt{\text{FGHz}}$.
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
AA	03-2303			DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1 0'	
				.XX ± .010	± /64	X ° X' ± 15'	
				.XXX ± .005			
				DRAWN	BN	DATE 10/20/03	TITLE SMA, JACK 2 HOLE FLG. MOUNT STRAIGHT TERMINAL
				APPROVED		DATE	
				CODE IDENT.			DWG. NO. 9952-0032-2400
				2J899		SHEET 1 OF 2	

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