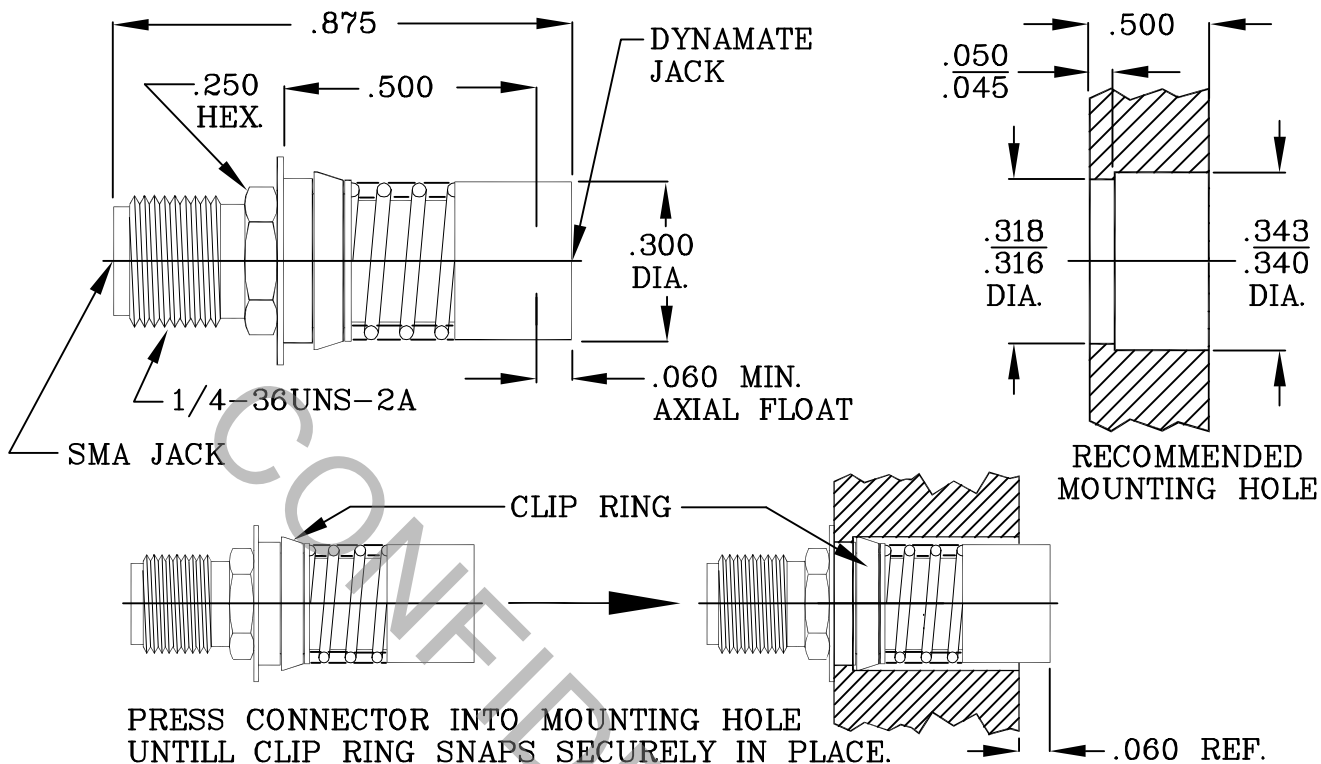


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 310-2 (SMA, JACK) AND DYNAWAVE DRAWING MD-29 (DYNAMATE, JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 20.0 GHz.
VSWR (MAX.) * (FULLY MATED)	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX.)	.035 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	100 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)	6.0
• 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	
-	768	9/90	T.S.	.X ± .030 .XX ± .010 .XXX ± .005	±/84	X° ± 1'0" X° X' ± 15'	TITLE DYNAMATE, JACK SMA, JACK, BULKHEAD FLOAT MOUNT
A	1004	8/93	G.L.	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN TS	DATE 9/90		DWG. NO. 1160-2999-6250
				APPROVED DGG	DATE 9/90		
				CODE IDENT. 2J899	SHEET 1 of 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE (BOTH) _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 4.0

SMA AND DYNAMATE DURABILITY (MIN. MATING) _____ 1,000

SMA ENGAGEMENT FORCES (TORQUE) _____ 7 - 10 INCH LBS.

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.) (190 VRMS)

5. MATERIAL

CONNECTOR BODIES, COIL SPRINGS, FERRULE _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
AND COMPRESSION SPRING

CENTER CONTACT, RETAINING RING _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT

INSULATOR _____ TEFLON PER D-1457

CENTER CONTACT HOOD _____ BRASS PER QQ-B-626, 1/2 HARD, ALLOY 360

6. FINISH

CONNECTOR BODIES, COIL SPRINGS, FERRULE _____ PASSIVATE PER QQ-P-35A, TYPE I.
AND COMPRESSION SPRING

CENTER CONTACT ASSEMBLY _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2,
(.000100 MINIMUM THICKNESS) OVER NICKEL PER
QQ-N-290, CLASS 1 (.000100 MINIMUM THICKNESS) OVER
COPPER PER MIL-C-14550 (.000010 MINIMUM THICKNESS).

RETAINING RING _____ NICKEL PER QQ-N-29, CLASS 1 (.00020 MIN. THK.)
OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.)

INSULATOR _____ N/A