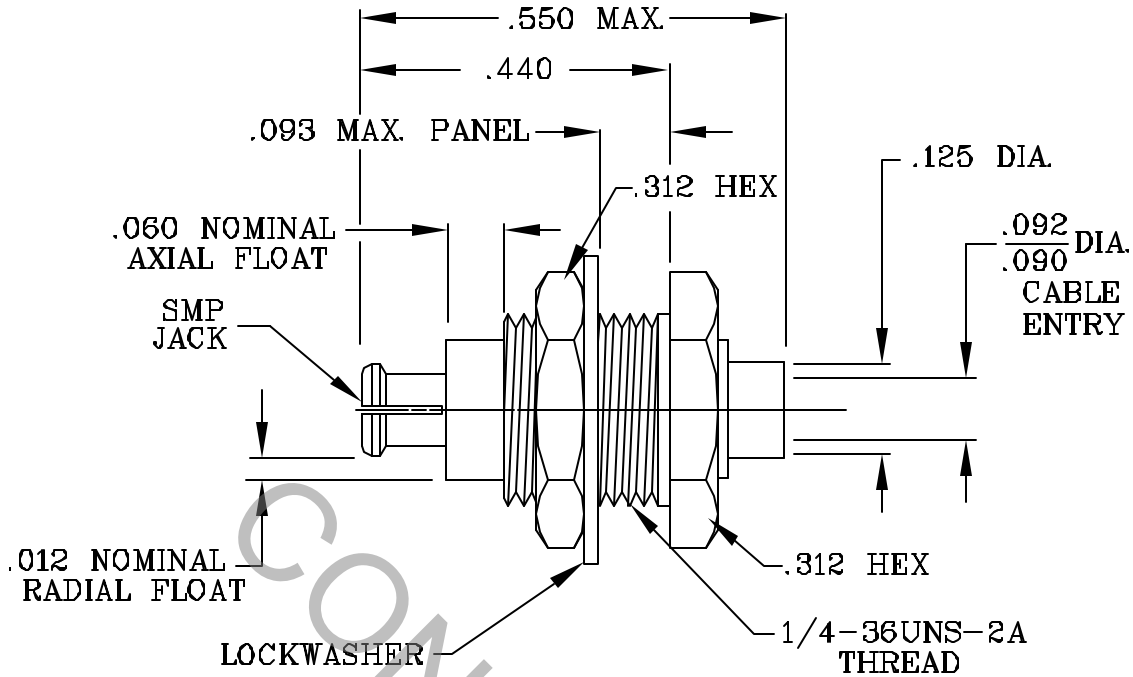


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 326-1 AND DYNAWAVE SPECIFICATION MD-20.
2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX.) *	_____	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.045 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 +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	2,500
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			INCORPORATED HAVERHILL, MA 01335
				DECIMALS	FRACTIONAL	ANGULAR	
AA	04-2200	10/8/04	T.S.	.X ± .080 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1' 0" X' X" ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN T.S. DATE 10/8/04			TITLE SMP, JACK FLOAT MOUNT DIRECT SOLDER TO .085 S.R. CABLE
				APPROVED DC DATE 10/8/04			
				CODE IDENT.			DWG. NO. 2060-8520-5440
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 3.5 LBS.
- MIN. RADIAL TORQUE _____ N/A
- * CONNECTOR ENGAGEMENT FORCE
 - INSERTION (MAX. LBS.) _____ 4.0
 - WITHDRAWAL (MIN. LBS.) _____ 0.5
- CONNECTOR DURABILITY (MIN. MATING) _____ 250
- * CONNECTOR SPRING FORCE _____ 8.0 MAX LBS., 4.0 MIN. LBS

* WHEN MATED TO 2157-0042-6232

4. ENVIRONMENTAL

- TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 °a TO + 165 °a)
- 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 108, 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

- THREADED BODY, WASHER, SPRING, _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
- "E" RING, HEX NUT AND LOCKWASHER _____
- BODY AND CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
- INSULATOR _____ TEFLON PER ASTM D 4894-91

6. FINISH

- THREADED BODY, WASHER, SPRING, _____ PASSIVATE PER QQ-P-35C, TYPE 6.
- "E" RING, HEX NUT AND LOCKWASHER _____
- CONTACT _____ GOLD PER ATSM B 488, TYPE 2, CODE C, CLASS 2.5 (.000100 MIN. THK.)
- BODY _____ GOLD PER ATSM B 488, TYPE 2, CODE C, CLASS 0.75 (.000080/.000060 THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000030/.000150 THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.)
- INSULATOR _____ N/A

 **dynawave**
INCORPORATED

SHEET 2 OF 2

DWG.
NO.

2060-8520-5440

REV.

AA