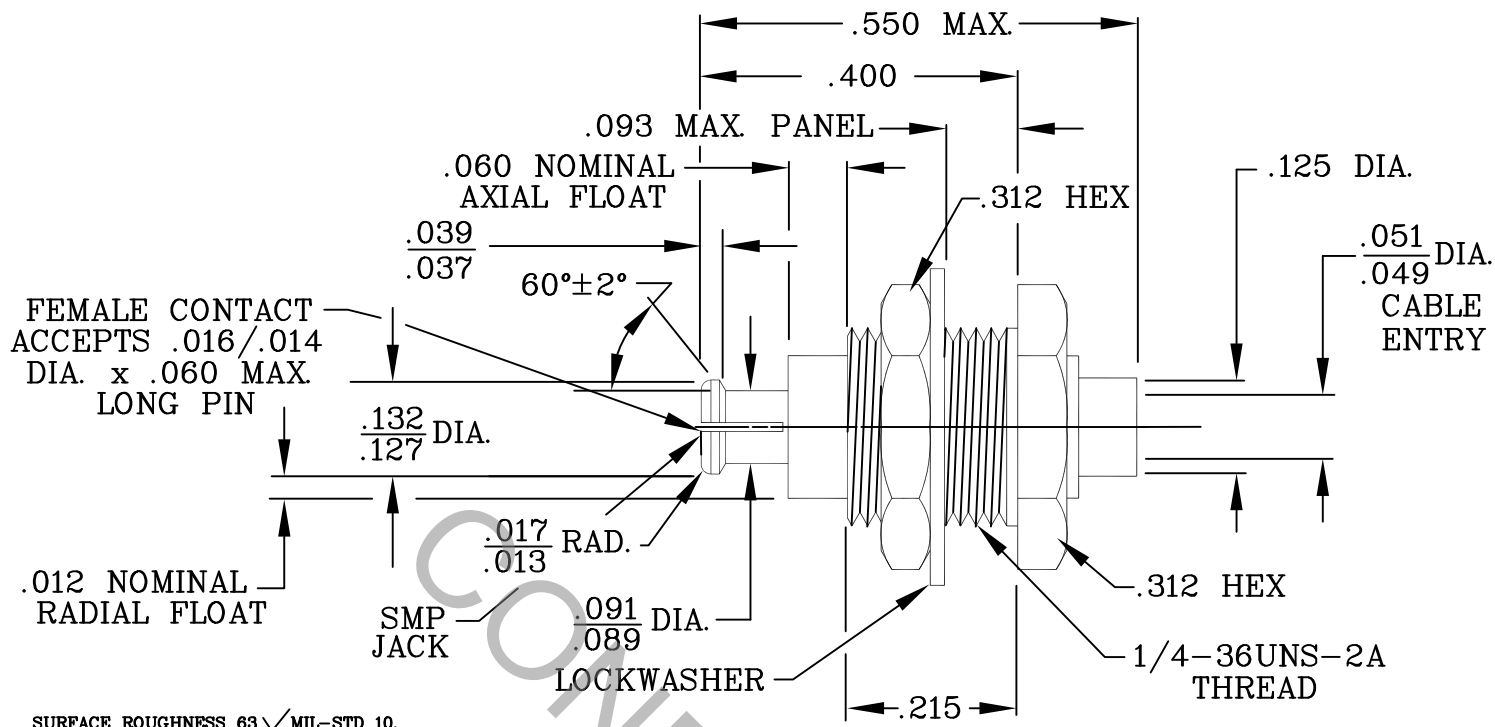


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-20-53.

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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA. 01385
AA	05-1743	7/21/05	TS	DECIMALS	FRACTIONAL	ANGULAR	
AB	06-1784	6/26/06	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1' 0" X ° X' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
AC	10-1198	2/24/10	TS	DRAWN T.S. DATE 7/21/05			TITLE SMP, JACK FLOAT MOUNT DIRECT SOLDER TO .047 S.R. CABLE
				APPROVED DC DATE 7/21/05			
				CODE IDENT. 2J899		SHEET 1 OF 2	DWG. NO. 2060-4721-5453

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 MOUNTING TORQUE _____ 7 - 10 IN. LBS.

* CONNECTOR SPRING FORCE _____ 6.0 MAX. LBS., 4.0 MIN. LBS

* WHEN MATED TO 2137-0042-6232

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.) (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

PRESS SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
No. UNS C17300, TEMPER TD04.

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 AND PRESS SLEEVE _____ GOLD PER ATSM B 488, TYPE 2, CODE C, CLASS 0.75
(.000030/.000050 THK.) OVER NICKEL PER QQ-N-290,
CLASS 1 (.000050/.000150 THK.) OVER COPPER PER
MIL-C-14550 (.000010 MIN. THK.)

INSULATOR _____ N/A