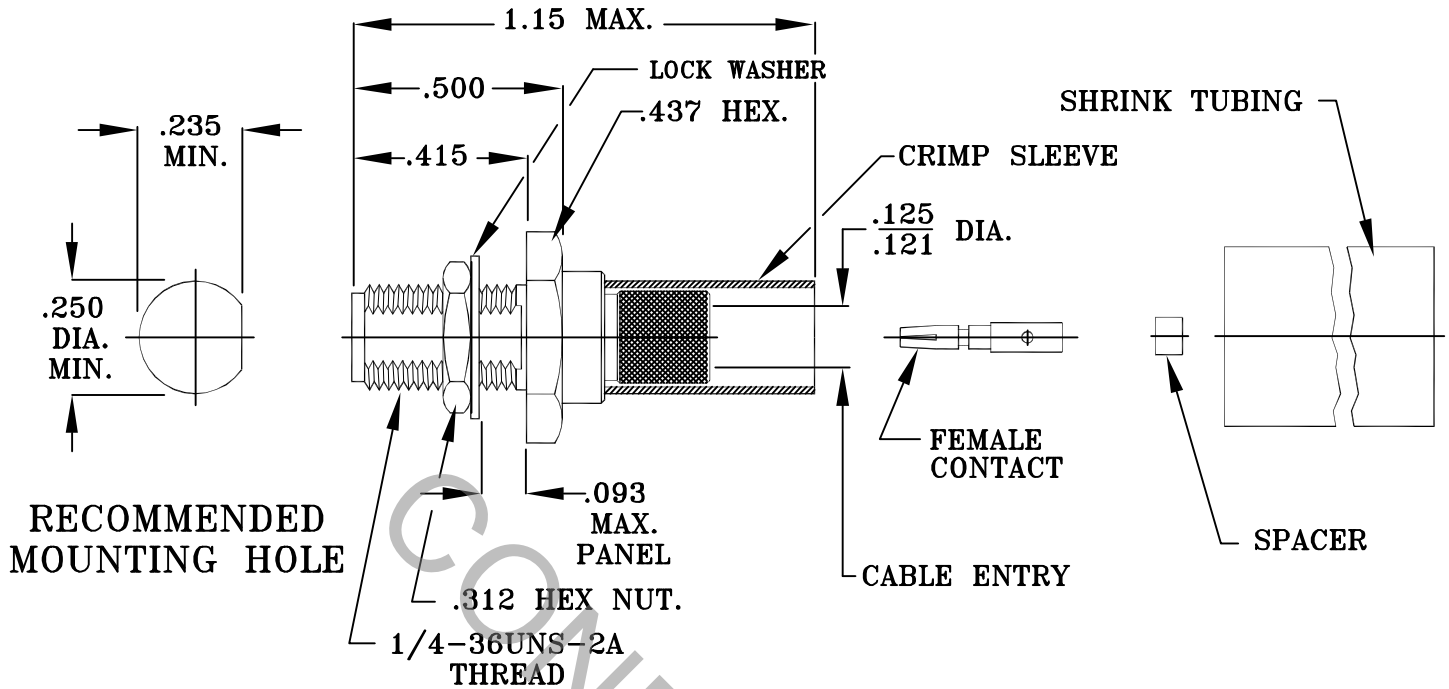


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-99.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 10.0 GHz.
VSWR (MAX.) *	1.20 : 1
INSERTION LOSS (dB MAX.)	0.10 dB.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	$-65^{\circ}c$ TO $+165^{\circ}c$
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* GATED TEST DATA.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL MA. 01835	
AA	00-0720	6/1/00	DGG	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15'		
				DRAWN	EH	DATE	6/1/00	TITLE SMA, JACK, BULKHEAD CRIMP ATTACHMENT LMR-195-FR FLEXIBLE CABLE
				APP.	DGG	DATE	6/1/00	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	9910-1930-6280
				2J899				

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN./LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 1,000

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

CONNECTOR BODY, HEX NUT AND LOCKWASHER _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.

CRIMP SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

CENTER CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.

INSULATOR AND SPACER _____ TEFLON PER ASTM D 4894-91

SHRINK TUBING _____ POLYOLEFIN PER MIL-I-23053/5 COLOR (BLACK)

6. FINISH

CONNECTOR BODY, HEX NUT AND LOCKWASHER _____ PASSIVATE PER QQ-P-35C, TYPE VI.

CRIMP SLEEVE _____ "TRI-M3" ALLOY, 55%-60% COPPER, 25%-28% TIN AND
14%-18% ZINC. .0001 TO .0002 THICK.

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 2, CODE A, CLASS 1.5
(.000010 MAX.) OVER COPPER PER MIL-C-14550 (.000040 MIN. THK.)

INSULATOR, SPACER AND RETAINING RING _____ N/A



SHEET 2 OF 2

DWG.
NO.

9910-1930-6280

REV.

AA