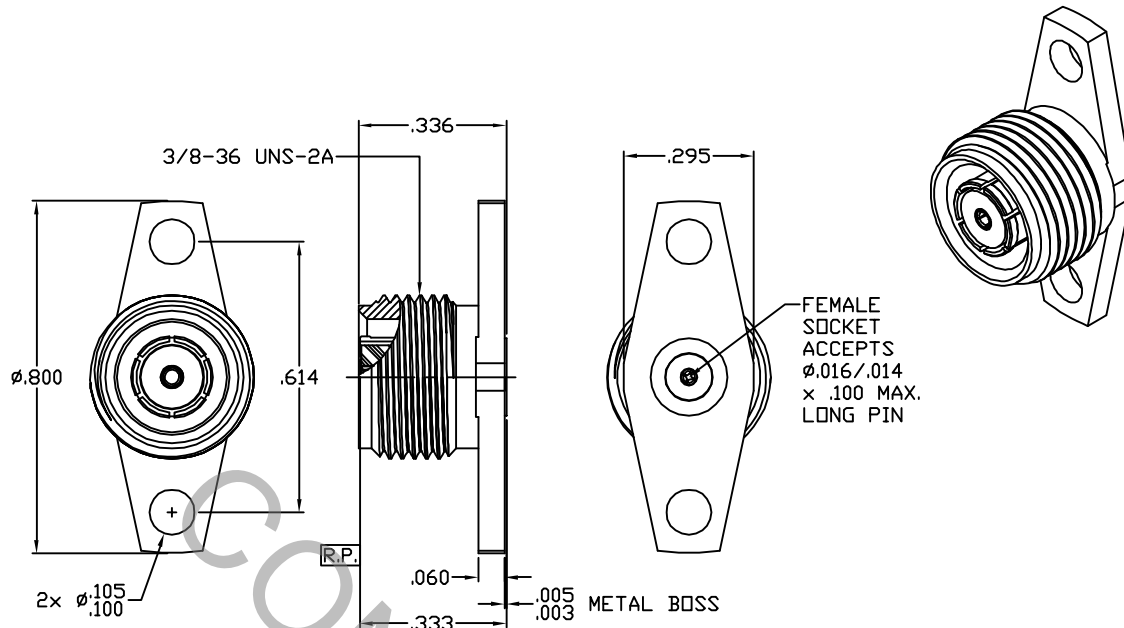


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per DYNAWAVE MD-91-3 (LDMS JACK).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 23.0 GHz
VSWR (MAX) *	_____	1.06 + .005 x FGHz
INSERTION LOSS (dB MAX) *	_____	.03 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)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835	
AA	08-1029	1/7/08	DC	DECIMALS	FRACTIONAL	ANGULAR		
				.X ± .030	± 1/64	X ° ± 1'0"		
				.XX ± .010		X ° X' ± 15'		
				DRAWN	DC	DATE	1/7/08	TITLE LDMS JACK 2 HOLE FLANGE ACCEPTS .015 PIN
				APPROVED	DC	DATE	1/7/08	
				CODE IDENT.				DWG. NO. 9152-0881-6200
				2J899	SHEET 1 OF 2			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT  
MAX AXIAL FORCE \_\_\_\_\_ 4.5 LBS.  
MAX RADIAL TORQUE \_\_\_\_\_ N/A

CENTER CONTACT AXIAL FORCES  
● INSERTION (MAX OUNCES) \_\_\_\_\_ INTERFACE 32.0, REAR 32.0  
● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0, REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX LBS.) \_\_\_\_\_ 3.0  
CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500  
RECOMMENDED MATING TORQUE \_\_\_\_\_ N/A

## 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. ) ( 190 VRMS )

## 5. MATERIAL

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A  
CONTACT & SPRING FINGERS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196-90, COPPER ALLOY  
No. UNS-C17300, TEMPER TD04.  
INSULATORS \_\_\_\_\_ TEFLON PER ASTM-D-1710-02, TYPE 2, GRADE 1, CLASS A.  
EMI GASKET \_\_\_\_\_ SILVER PLATED ALUMINUM IN SILICONE.

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2.  
SPRING FINGERS \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25  
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290  
(.000150 MIN. THK.) OVER COPPER per MIL-C-14550  
(.000010 MIN. THK.)  
CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
(.000100 MIN. THK.) OVER NICKEL per QQ-N-290  
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550  
(.000010 MIN. THK.)  
INSULATORS & EMI GASKET \_\_\_\_\_ N/A