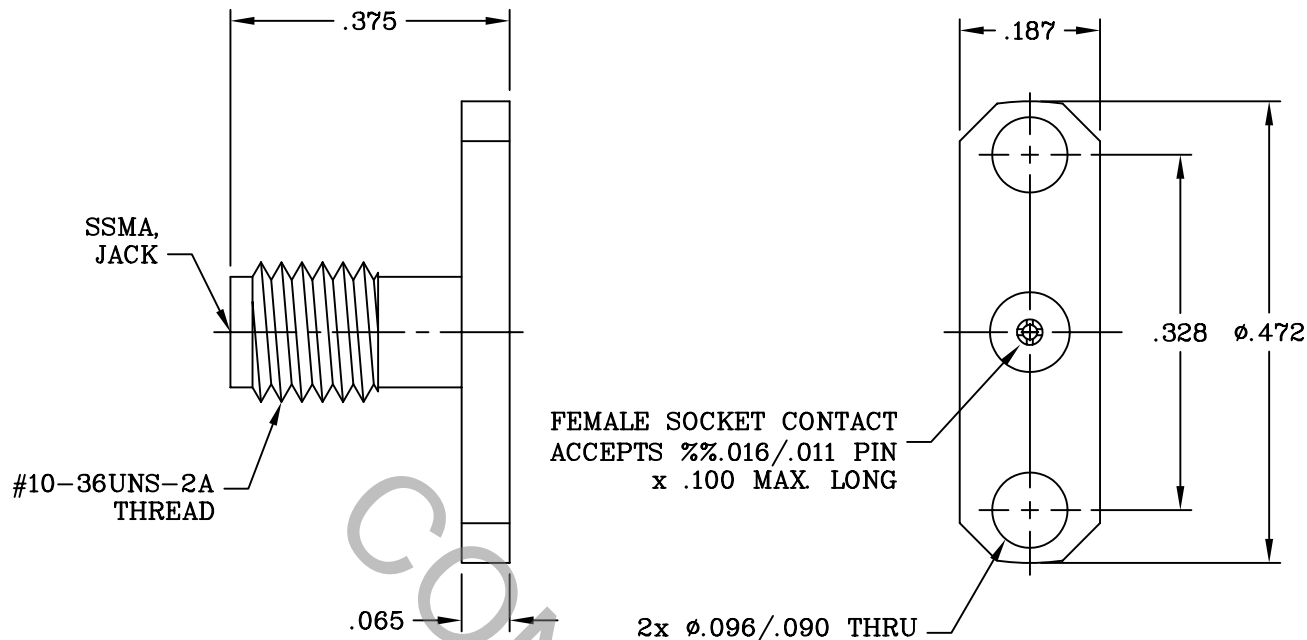


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS FOR SSMA JACK per DYNAWAVE SPECIFICATION MD-97.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 46.0 GHz
VSWR (MAX) *	_____	1.05 + .008 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)	_____	750
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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	844	3/92	DGG	.X +.030 .XX ±.010 .XXX ±.005	1/64	X ° ± 1 ° X ° X' ± 15'	TITLE SSMA, JACK 2 HOLE FLANGE FIELD REPLACEABLE 0.328 HOLE SPACING
AA	08-1662	7/22/08	DC				
				DRAWN	CDM	DATE 3/92	
				APPROVED	DGG	DATE 3/92	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9752-0081-6215
				2J899			

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 48.0 OZ. / FLANGE 32.0 OZ.

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0 OZ. / FLANGE END 1.0 OZ.

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 6 - 8 IN. 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

BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY
UNS C 17800, TEMPER TD04

INSULATOR _____ TEFLON PER ASTM D 4894-91

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.

CONTACT _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5
(.00010 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550
(.000010 MIN. THK.)

INSULATOR _____ N/A