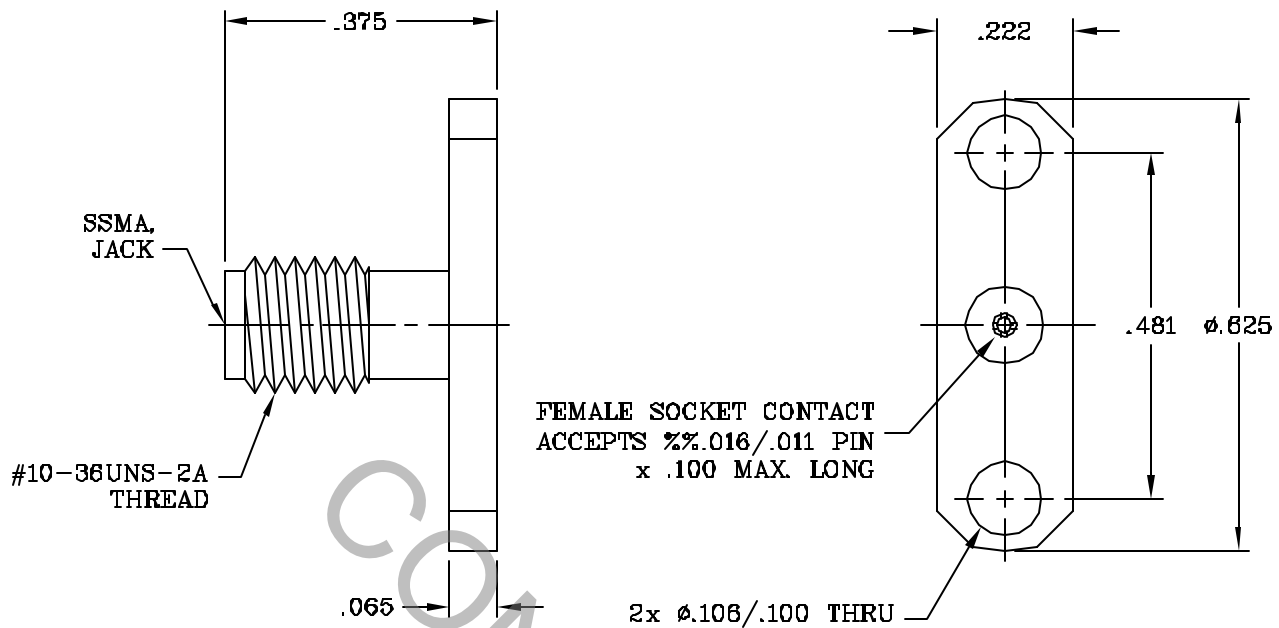


SPECIFICATION CONTROL DRAWING



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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA 01836
AA	03-1918			DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 10' X° X' ± 15'	
				DRAWN	DC	DATE 7/18/03	TITLE SSMA, JACK 2 HOLE FLANGE FIELD REPLACEABLE φ.481 HOLE SPACING
				APPROVED		DATE	
				CODE IDENT.			DWG. No. 9752-0081-6201
				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 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 17500, TEMPER TD04
INSULATOR	_____	TEFLON PER ASTM D 4894-91

6. FINISH

BODY	_____	PASSIVATE PER QQ-P-35A, TYPE I
CONTACT	_____	GOLD PER ATSM B 488, TYPE II, GRADE C, CLASS 2 (.000100 Minimum Thickness) OVER NICKEL per QQ-N-290 CLASS 1 (.000100 Minimum Thickness) OVER COPPER per ML-C-14550 (.000010 Minimum Thickness).
INSULATOR	_____	N/A