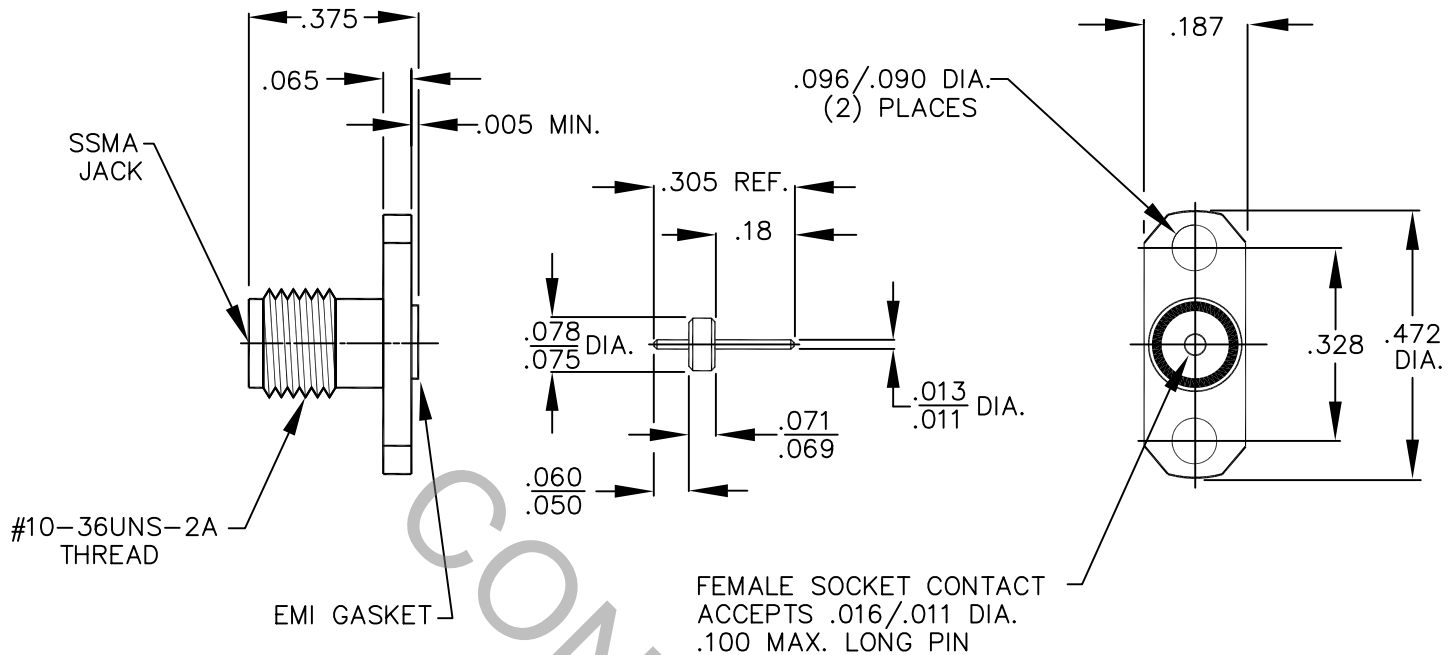


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 (Fig. 319.2) SSMA, JACK AND 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 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			 GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
—	1076	4/94	T.S.	.X ±.030 .XX ±.010 .XXX ±.005	±/64	X ° ±1 0' X ° X' ±15'	TITLE SSMA, JACK 2 HOLE FLANGE FIELD REPLACEABLE WITH GLASS SEAL
				DRAWN	T.S.	DATE 4/94	
				APPROVED		DATE 4/94	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9752-0714-6215
				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, REAR 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0, REAR 1.0

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°)

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.) (190RMS)

HERMETICITY _____ 1×10^{-8} cc/SEC.

5. MATERIAL

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

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

INSULATOR _____ TEFLON PER ASTM D 4894-91

GLASS _____ CORNING 7070

GLASS PIN, GLASS RING _____ KOVAR PER MIL-I-23011

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A, TYPE I

CENTER CONTACT, GLASS PIN AND GLASS RING _____ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR AND GLASS _____ N/A