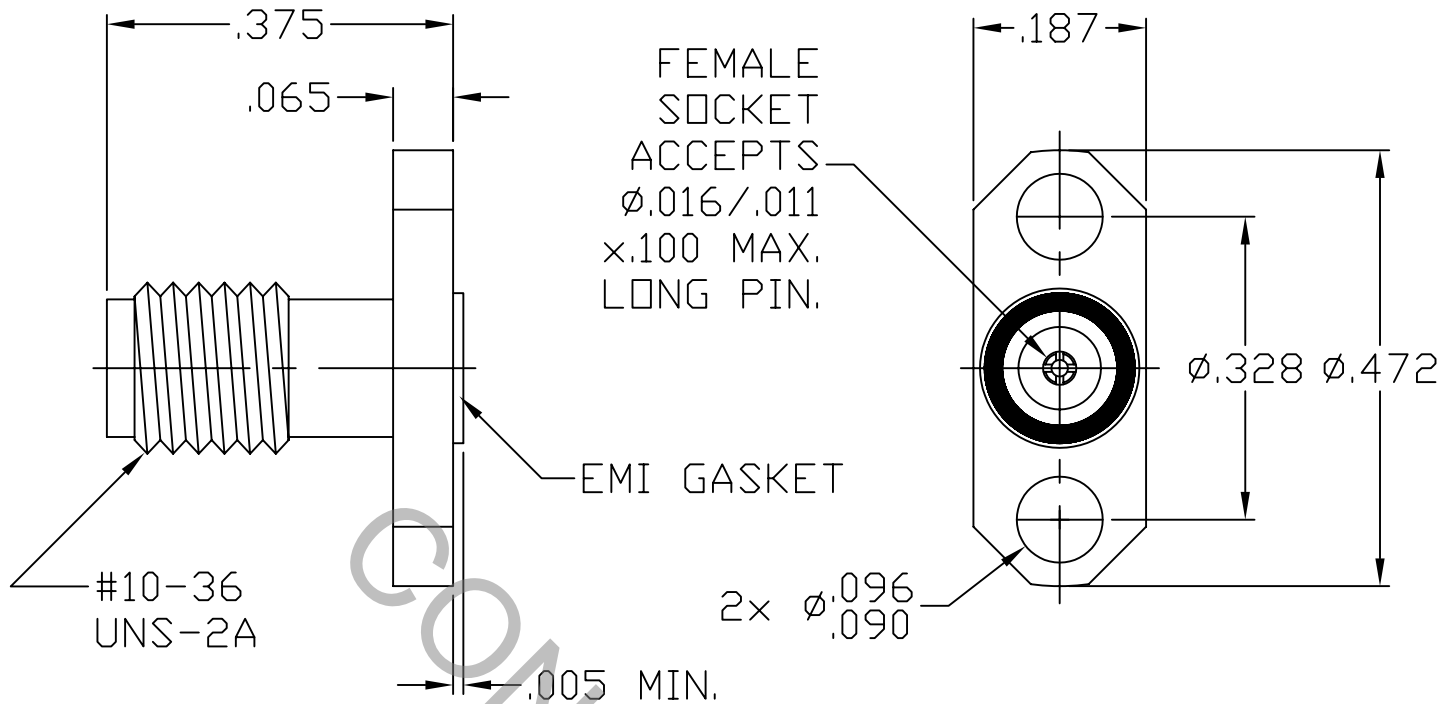


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS FOR SSMA JACK per MIL-STD-348-319.2

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			 INCORPORATED HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	756	6/90	DGG	.X ± .030 .XX ± .010 .XXX ± .005	1/64	X ° ± 1 ° X ° X ± 15'	
AA	96-0027	9/96	TS				
AB	04-1457	4/9/04	DC				
				DRAWN	CDM	DATE	6/90
				APPROVED	DGG	DATE	6/90
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9752-0781-6215
				2J899			

TITLE SSMA, JACK
2 HOLE FLANGE
FIELD REPLACEABLE
 $\phi .328$ HOLE SPACING

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, TYPE 303, COND. A, ASTM A581 OR ASTM A582

CONTACT _____ BERYLLIUM COPPER ALLOY NO. UNS C17300, TEMPER TD04
PER ASTM B196

INSULATOR _____ TEFLON PER ASTM D 4894-91

EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE RUBBER

6. FINISH

BODY _____ PASSIVATE PER SAE-AMS-QQ-P-35 OR ASTM A967, LOT
TESTING REQUIRED, PRACTICE OPTIONAL

CONTACT _____ GOLD PER ATSM B488, TYPE II, GRADE C, CLASS 2.5
(.000100 Minimum Thickness) OVER NICKEL per
SAE-AMS-QQ-N-290, CLASS 1 (.000050 Minimum Thickness)
OVER COPPER per SAE-AMS-2418 (.000010 Minimum Thickness).

INSULATOR _____ N/A

EMI GASKET _____ N/A