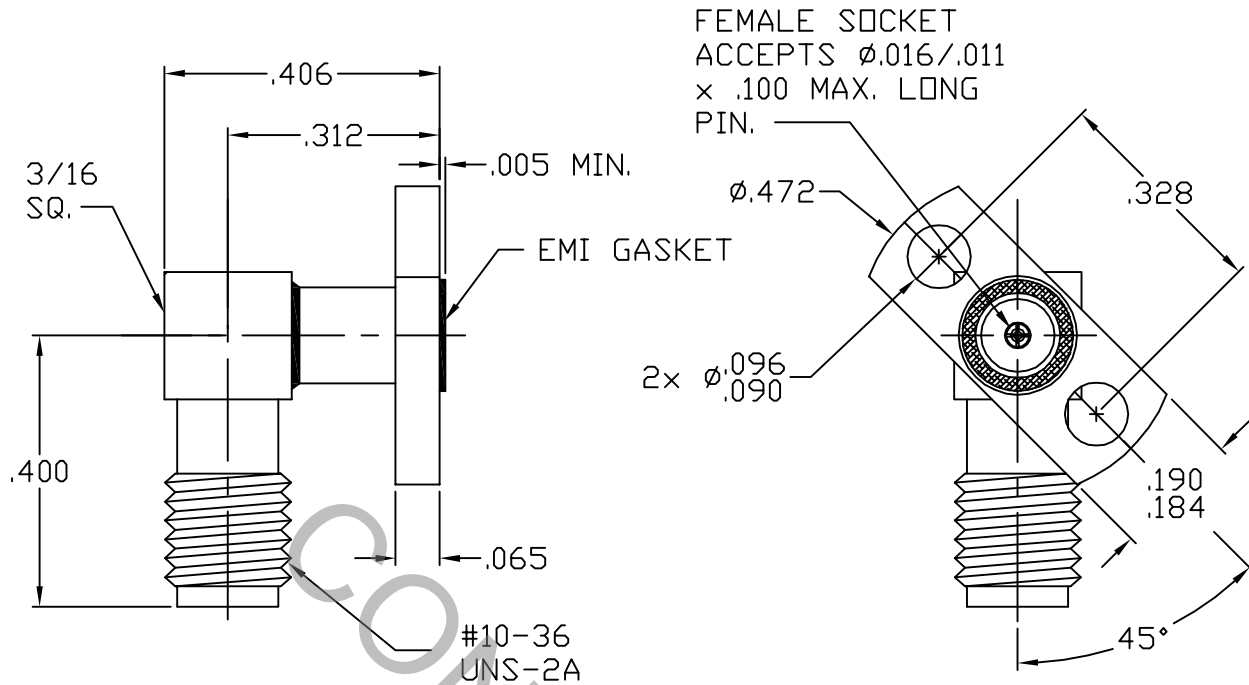


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 319-2 (SSMA, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz./VSWR	DC - 18.0 GHz. 1.20 + .007
	18.0 - 26.5 GHz. 1.35 + .009
	26.5 - 40.0 GHz. 1.50 + .010
INSERTION LOSS (dB MAX) *	.080 dB x $\sqrt{\text{FGHz.}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FHGz.
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
				DECIMALS	FRACTIONAL	ANGULAR	
AA	11-1819	9/13/11	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	TITLE SSMA JACK, R/A, 2 HOLE FLANGE FIELD REPLACEABLE W/EMI GASKET
AB	12-1458	6/5/12	TS	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	TS	DATE	9/13/11
				APPROVED	DC	DATE	9/13/11
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9756-2781-6213
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MAX. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MAX. RADIAL TORQUE \_\_\_\_\_ 4.0 IN./OZ.

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 48.0; REAR 32.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0, REAR 1.0

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

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

RECOMMENDED MATING TORQUE \_\_\_\_\_ 5 - 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

- CONNECTOR BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
- CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
- INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.
- EMI GASKET \_\_\_\_\_ SILVER PLATED ALUMINUM IN SILICONE PER MIL-G-83528, TYPE B.

## 6. FINISH

- CONNECTOR BODY \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
- CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290  
CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418  
(.000010 MIN. THK.)
- INSULATOR AND EMI GASKET \_\_\_\_\_ N/A