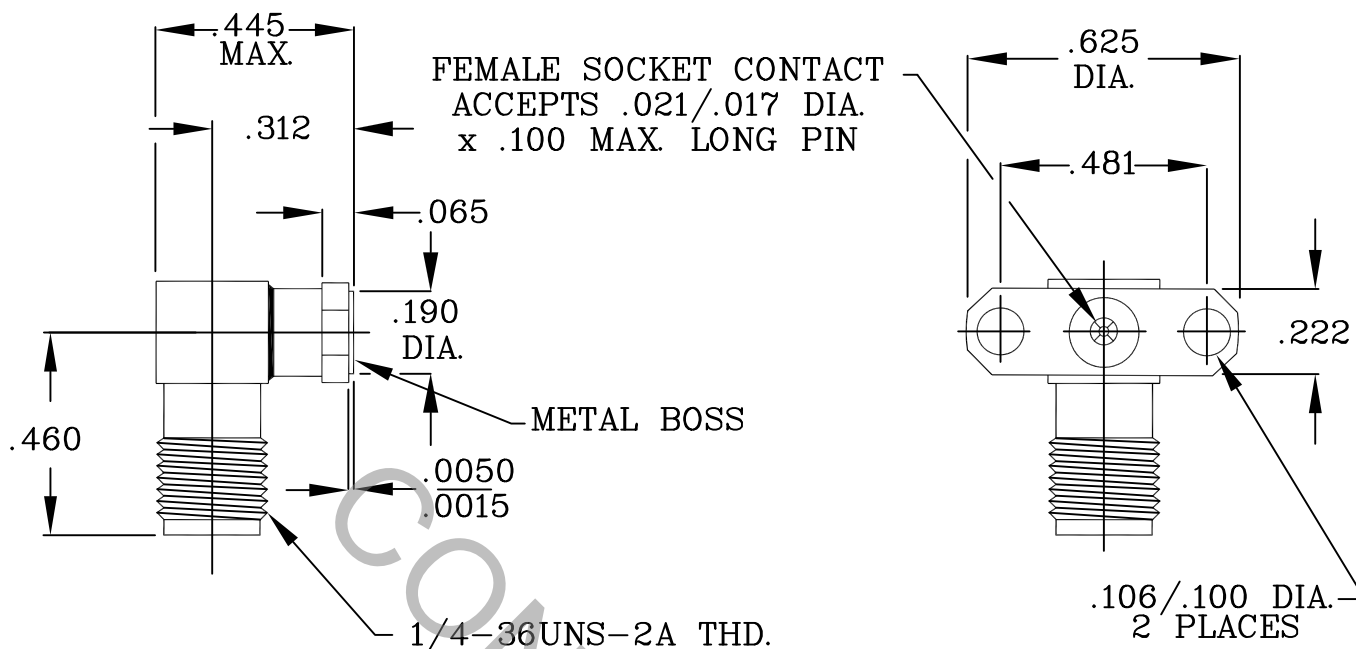


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA, JACK PER MIL-STD-348 (Fig. 310-2).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 22.0 GHz.
VSWR (MAX) *	1.07 + .010 x FGHZ.
INSERTION LOSS (dB MAX) *	.04 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)	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			 INCORPORATED HAVERHILL, MA. 01835
AA	10-1699	8/2/10	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X +.030 .XX ±.010 .XXX ±.005	1/64	X ° ± 1 0' X ° X ± 15'	TITLE SMA, JACK, RIGHT ANGLE, 2 HOLE FLANGE FIELD REPLACEABLE
				SURFACE ROUGHNESS 63 √MIL-STD 10.			
				DRAWN	SS	DATE 8/2/10	
				APPROVED	TS	DATE 8/2/10	
				CODE IDENT.			DWG. NO. 9956-0881-6220
				2J899	SHEET 1 OF 2		

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 32.0, REAR * 40.0 *
- 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 _____ 7 - 10 IN. LBS.

* WHEN TESTED TO .018 ±.001 OR .020 ±.001 FEED THRU SIZE *

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 165 ° 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 B 196/B, 196M-03, COPPER ALLOY No. UNS C 17300, TEMPER TD04

INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5
(.00010 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290,
(.000050 MIN. THK.) OVER COPPER PER AMS-2418,
(.000010 MIN. THK.) .

INSULATOR _____ N/A