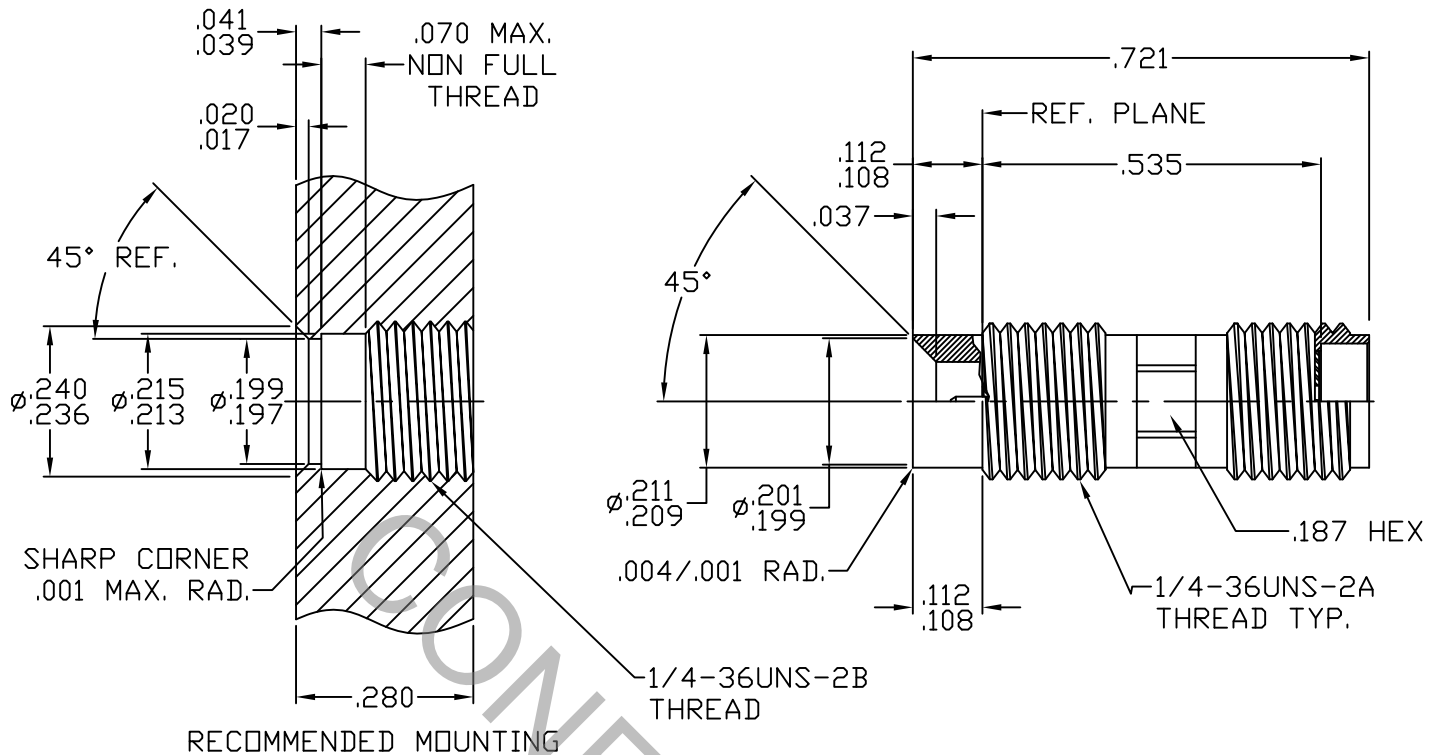


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348
 Fig. 310.2 (SMA JACK) AND Fig. 326.4 (SMP MALE SMOOTH BORE).
 (MODIFIED CATCHERS MIT).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX.) *	_____	1.05 + .010 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.04 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	170
RF LEAKAGE (MIN. dB DOWN)	_____	-85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 150°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	17-1021	1/5/17	TS	.X ± .030		X ° ± 1° 0'	TITLE SMA JACK TO SMP MALE SMOOTH DETENT ADAPTER
AB	17-1030	1/9/17	TS	.XX ± .010 .XXX ± .005	± 1/64	X ° X' ± 15'	
				DRAWN TS	DATE 1/5/17		DWG. NO. 1139-2199-6200
				APPROVED DC	DATE 1/5/17		
				CODE IDENT. 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) _____ SMA INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ SMA INTERFACE 2.0

CONNECTOR ENGAGEMENT (MAX. LBS.) _____ SMA 2.0, SMP 2.0

CONNECTOR DISENGAGEMENT (MIN. LBS.) _____ SMA 2.0, SMP 0.5

CONNECTOR DURABILITY (MIN. CYCLES) _____ SMA 500, SMP 1,000

RECOMMENDED MATING TORQUE _____ SMA 7 - 10 IN. LBS.

RECOMMENDED INSTALLATION TORQUE _____ 19 - 17 IN. LBS.

RECOMMENDED TORQUE TOOL : 99-TORQUE-18

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO + 150° 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.) (125 VRMS)

5. MATERIAL

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

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.

6. FINISH

BODY _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

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 _____ N/A