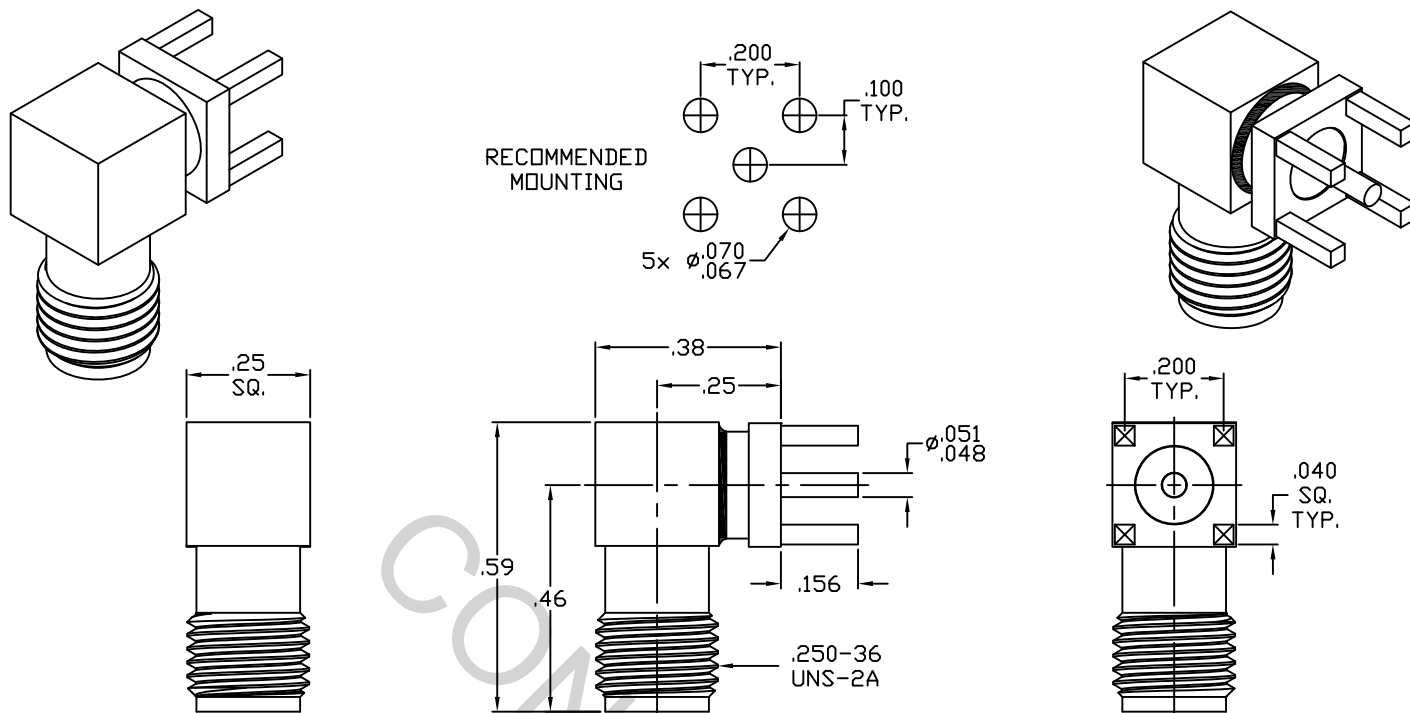


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 310.2 (SMA JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX.) *	_____	N/A
INSERTION LOSS (dB MAX.) *	_____	N/A
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
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

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	02-0231	3/28/02	TS	.X ± .030		X ° ± 1° 0'	
AB	18-1817	7/30/18	DC	.XX ± .010	± 1/64	X ° X' ± 15'	
				DRAWN KLT	DATE 3/28/02		
				APPROVED TS	DATE 3/28/02		
				CODE IDENT.			
				2J899	SHEET 1 OF 2		
						DWG. NO. 9921-0031-2100	

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

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

THERMAL SHOCK _____ MIL-STD-202, METHOD 107, COND. B (-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 _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

INTERFACE CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

BOARD CONTACT _____ BRASS PER ASTM-B16, TEMPER H02, ALLOY C36000.

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

6. FINISH

BODY _____ GOLD PER ASTM B 488, TYPE II, CODE C, CLASS 2.5
(.00010 MIN. THK.) OVER TRI METAL PLATING 55-65% CU /
25%-28% SN / 14%-18% ZN (.000100 MIN. THK.) OVER COPPER
PER AMS-2418 (.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.25
(.00050 - .000075 THK.) OVER COPPER PER AMS-2418
(.000040 MIN. THK.)

INSULATOR _____ N/A