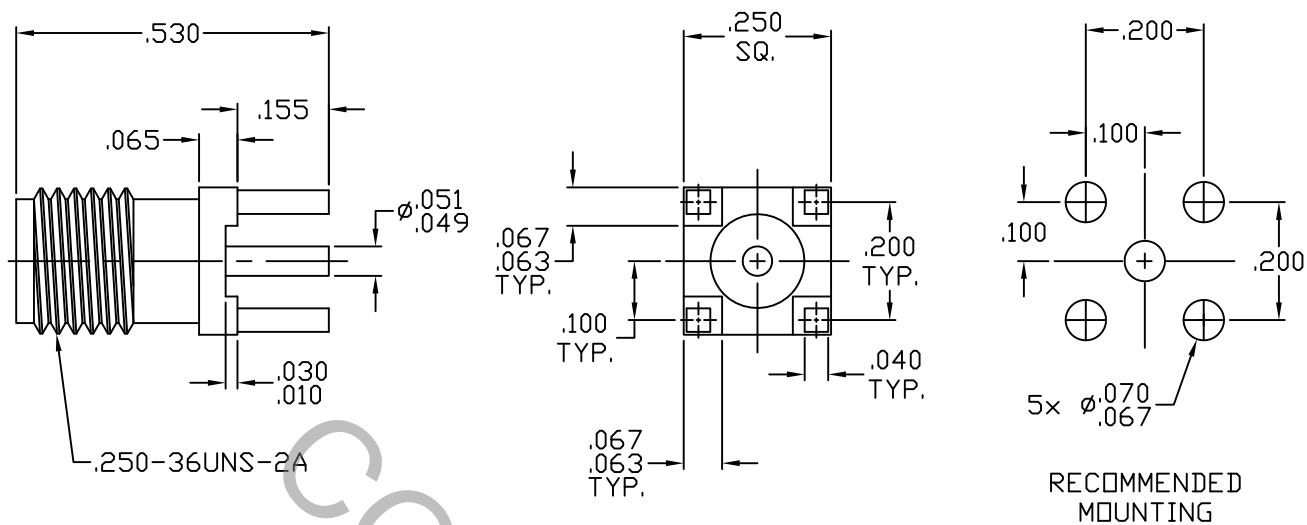


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (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)	_____	335
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• 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			 INCORPORATED HAVERHILL, MA 01835
AA	13-2044	7/26/13	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 10' X° X' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	TS	DATE 7/26/13	TITLE SMA, JACK STRAIGHT 4 POST, P.C. MOUNT STRAIGHT TERMINAL
				APPROVED	DC	DATE 7/26/13	
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9920-0031-6435

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR DURABILITY (MIN. MATING) _____ 500

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.) (250 VRMS)

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER D 1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

CONNECTOR BODY _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 0.03
(.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000150 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN.THK.)
CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, 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