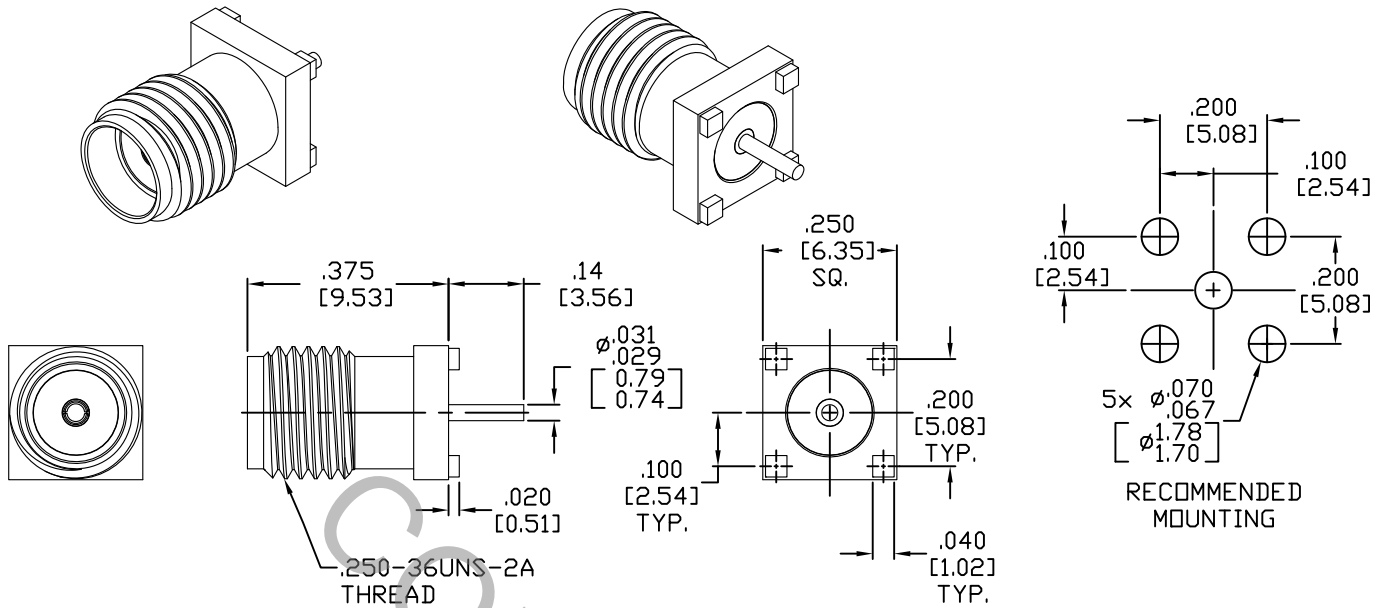


SPECIFICATION CONTROL DRAWING



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) *	_____	1.07 + .010 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.04 dB x √FGHz
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			 Haverhill, MA 01835
AA	14-2189	9/22/14	TS	DECIMALS	FRACTIONAL	ANGULAR	
AB	14-2233	9/30/14	TS	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1° X° X' ± 15'	
AC	14-2378	10/29/14	TS	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
AD	14-2384	10/30/14	TS	DRAWN	TS	DATE 9/22/14	
AE	14-2590	12/18/14	DC	APPROVED	DC	DATE 9/22/14	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9920-0031-6403
				2J899			

TITLE
SMA, JACK
STRAIGHT
4 POST, P.C. MOUNT
STRAIGHT TERMINAL

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 TDO4.

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 0.30
(.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000150 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN.THK.)
OVER NICKEL (WOODS OR WATTS) (.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