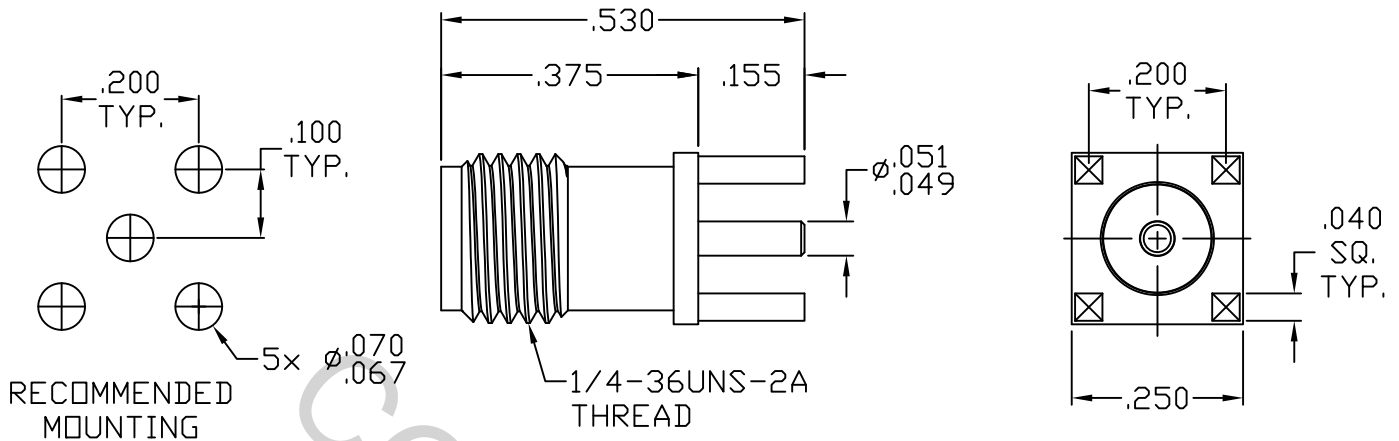


SPECIFICATION CONTROL DRAWING



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 $\sqrt{\text{FGHz}}$
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)	_____	1,000
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			INCORPORATED HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	911	1/93	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X'X ± 15'	
A	982	7/93	MB				
AA	18-1817	7/30/18	DC	DRAWN	TS	DATE	1/93
				APPROVED	DGG	DATE	1/93
				CODE IDENT.			
				2J899	SHEET 1 OF 2	DWG. NO.	9920-0031-2725
				TITLE			SMA, JACK STRAIGHT 4 POST, P.C. MOUNT STRAIGHT TERMINAL

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE _____ 6.0 LBS.
MIN. RADIAL TORQUE _____ N/A
CONNECTOR ENGAGEMENT FORCES
INSERTION (MAX. LBS) _____ 48.0
WITHDRAWAL (MIN. LBS) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, 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.) (190 VRMS)

5. MATERIAL

BODY _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.
CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER
ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY _____ NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000200 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