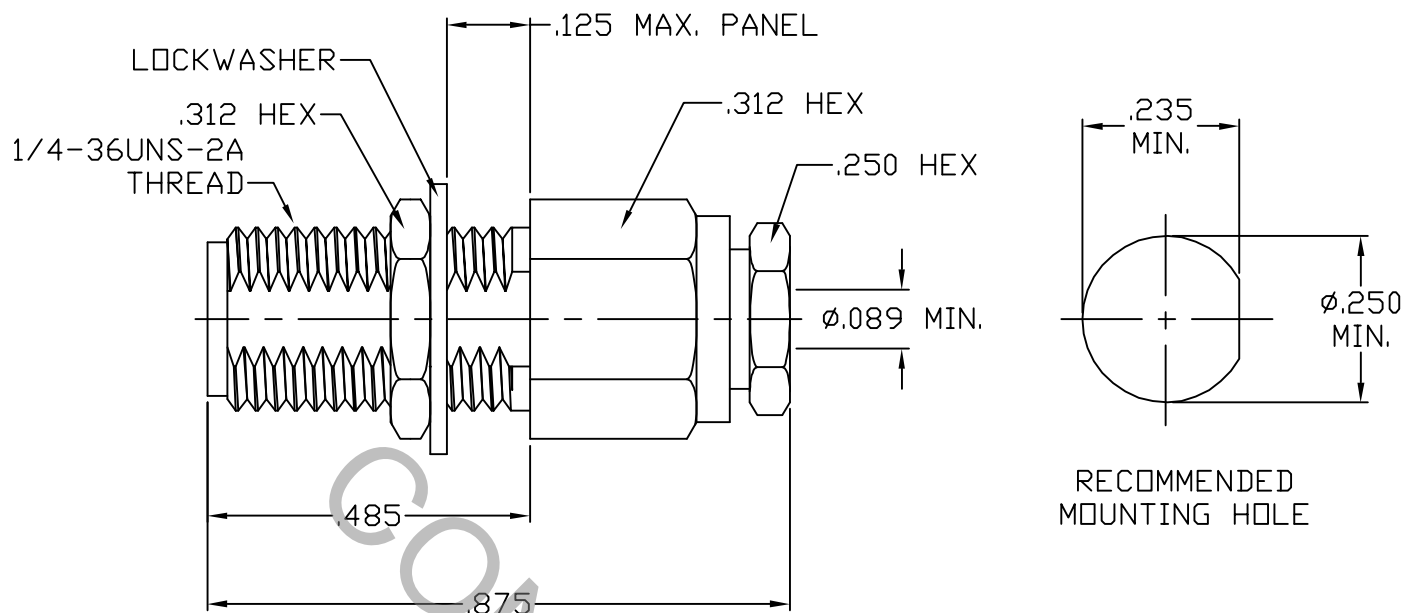


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 323.2 (SMK, 2.92mm, JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz
VSWR (MAX) *	1.05 + .010 x FGHz
INSERTION LOSS (dB MAX) *	.04 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-25°C TO + 100°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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA 01835	
AA	08-1103	1/25/08	TS	DECIMALS	FRACTIONAL	ANGULAR		
AB	08-1130	2/4/08	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1'0" X ° X ± 15'		
				DRAWN	TS	DATE	1/25/08	TITLE SMK, (2.92mm), JACK BULKHEAD MOUNT SOLDER CLAMP TO .085 SEMI-RIGID CABLE
				APPROVED	DC	DATE	1/25/08	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	9510-8545-6200
				2J899				

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) _____ 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

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, COND. C (-25° c TO +100° 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, LOCKNUT, REAR NUT AND SOLDER SLEEVE _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
LOCKWASHER _____ STAINLESS STEEL PER ASTM 582, TYPE 410.
CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR _____ PLASTIC COMPOSITE

6. FINISH

BODY, LOCKNUT AND LOCKWASHER _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.
SOLDER SLEEVE _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290
(.000150 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)
CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN. THK.) OVER NICKEL per QQ-N-290
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)
INSULATOR _____ N/A