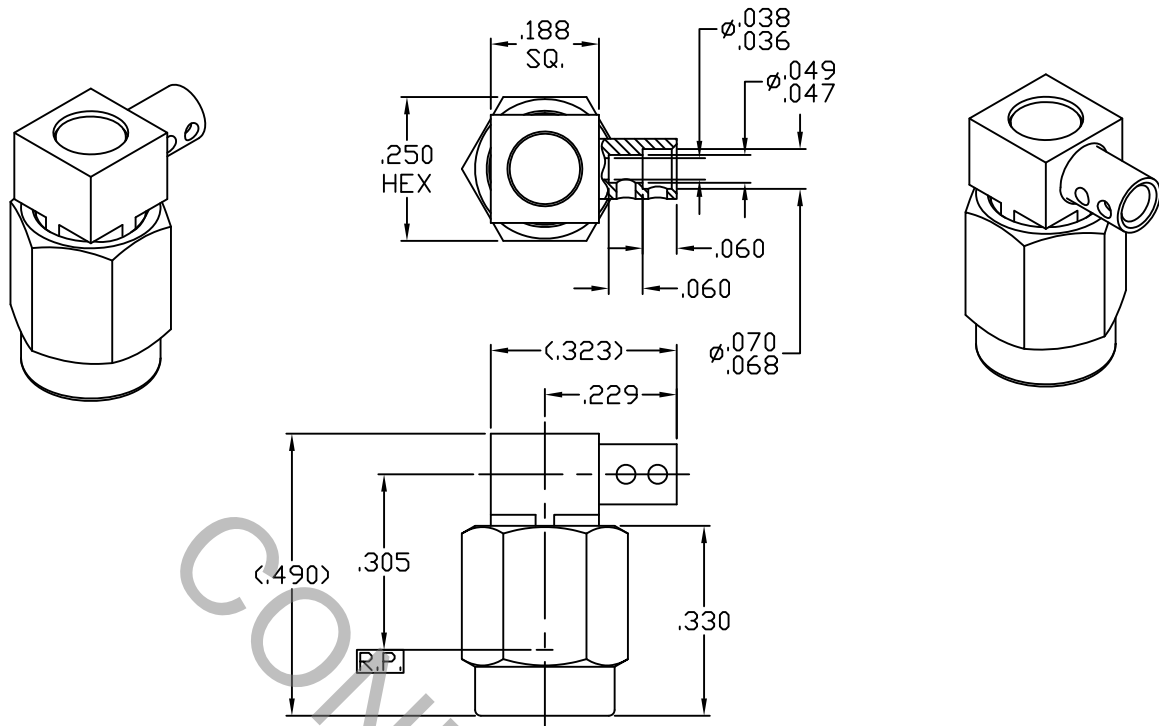


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 319.1 (SSMA PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 12.5 GHz
VSWR (MAX.) *	_____	1.35:1 MAX.
INSERTION LOSS (dB MAX.) *	_____	.06 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	167
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA 01835	
				DECIMALS	FRACTIONAL	ANGULAR		
AD	99-0511	6/14/99	DGG	.X ± .030	± 1/64	X ° ± 1° 0'	TITLE SSMA PLUG, RIGHT ANGLE, DIRECT SOLDER TO STORM #421-042	
AF	00-1396	11/17/00	AJH	.XX ± .010		X ° X' ± 15'		
				.XXX ± .005				
BA	01-0505	6/2/01	TS	DRAWN	JD	DATE		11/96
BB	05-1305	3/9/05	TS	APPROVED	DGG	DATE		11/96
BC	10-1540	6/8/10	DC					
BD	11-1972	11/2/11	BC	CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9201-6721-6240	
BE	11-1988	11/7/11	BC	2J899				

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
 MAX AXIAL FORCE _____ 4.0 LBS.
 MAX RADIAL TORQUE _____ N/A
 CENTER CONTACT AXIAL FORCES
 ● INSERTION (MAX OUNCES) _____ N/A
 ● WITHDRAWAL (MIN. OUNCES) _____ N/A
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX LBS.) _____ 2.0
 CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
 RECOMMENDED MATING TORQUE _____ 4 - 5 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, COND. C (-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.) (125 VRMS)

5. MATERIAL

BODY, PRESS SLEEVES & COUPLING NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
 CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
 INSULATOR _____ TEFLON PER ASTM D-1710-02, TYPE 1, GRADE 1, CLASS B.
 GASKET _____ SILICONE RUBBER PER ZZ-R-765.
 ACCESS CAP _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.

6. FINISH

PRESS SLEEVE & COUPLING NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
 BODY _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050/.000100 THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000050/.000100 THK.) OVER NICKEL (WOODS OR WATTS), (.000010 MIN. THK.).
 ACCESS CAP _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000150 MIN. THK.) OVER COPPER PER AMS-2418, (.000010 MIN. THK.)
 CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.25 (.000010 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.00005-.000100 THK.) OR NICKEL PER MIL-P-27418 OVER COPPER PER AMS-2418, (.000010 MIN. THK.)
 INSULATOR, GASKET & RETAINING RING _____ N/A