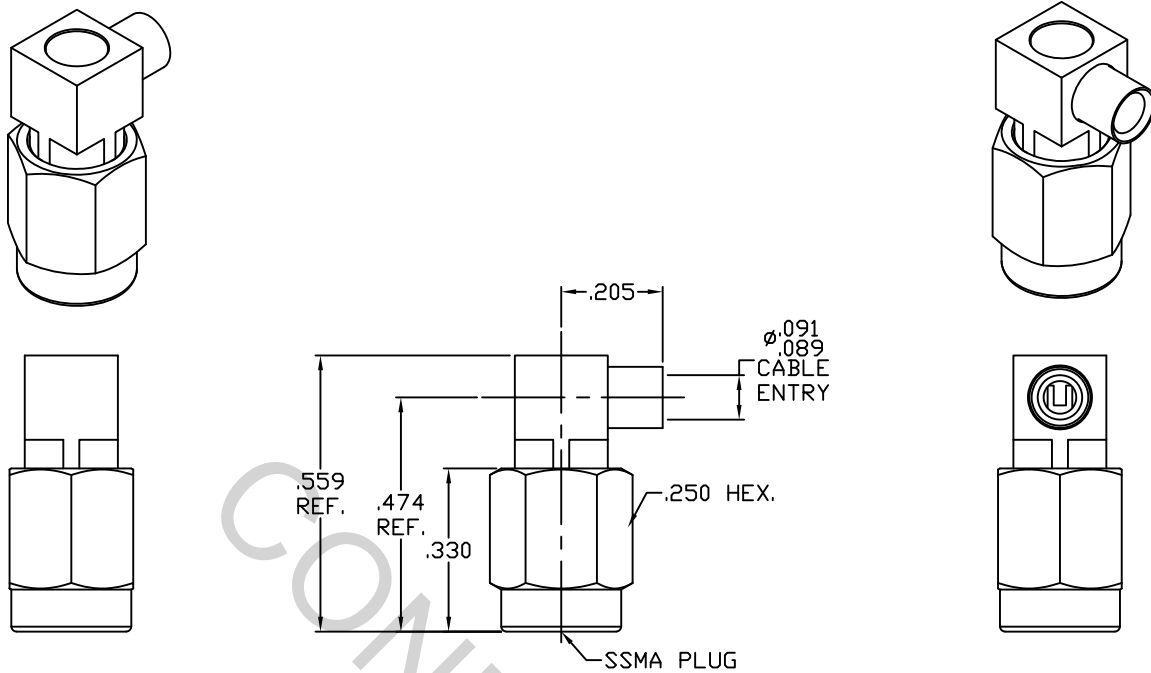


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SSMA PLUG PER MIL-STD-348 (FIG. 319-1).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 12.4 GHz
VSWR (MAX) *	_____	1.04 + .008 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)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
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	
-	1083	4/94	GL	.X ± .030	± 1/64	X° ± 1'0"	
				.XX ± .010		± 1/64	XX' ± 15'
AA	18-1858	8/7/18	DC	.XXX ± .005			
				DRAWN	GL	DATE	4/94
				APPROVED	DGG	DATE	4/94
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.
				2J899			9201-8521-6420
				TITLE			SSMA, PLUG RIGHT ANGLE DIRECT SOLDER TO .085 SEMI-RIGID CABLE

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT  
 MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.  
 MIN. RADIAL TORQUE \_\_\_\_\_ N/A  
 CONNECTOR ENGAGEMENT FORCES  
 ● INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0  
 ● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0  
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0  
 CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500  
 RECOMMENDED MATING TORQUE \_\_\_\_\_ 6-8 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. ) ( 190 VRMS )

## 5. MATERIAL

BODY, SOLDER BODY, AND COUPLING NUT \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A  
 CONTACT AND RETAINING RING \_\_\_\_\_ 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.  
 GASKET \_\_\_\_\_ SILICONE RUBBER PER AMS-3304, GRADE 70

## 6. FINISH

BODY AND COUPLING NUT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.27  
 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290  
 CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)  
 (.000010 MIN. THK.)  
 CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE II, 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