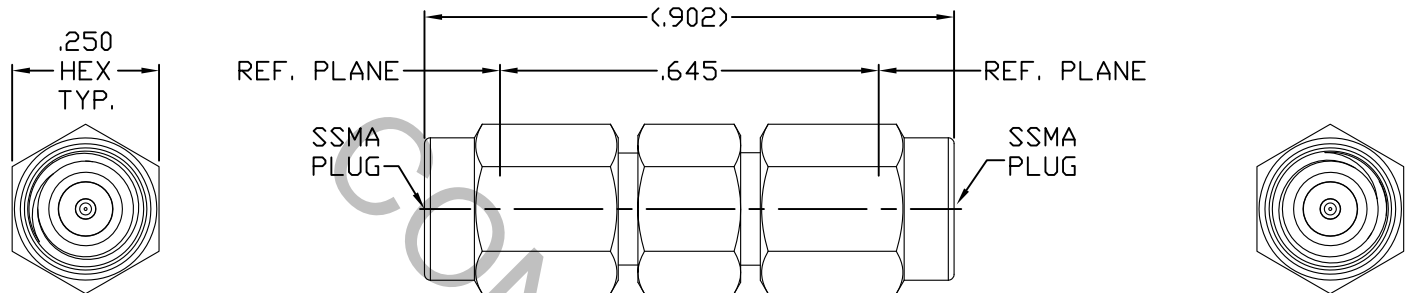
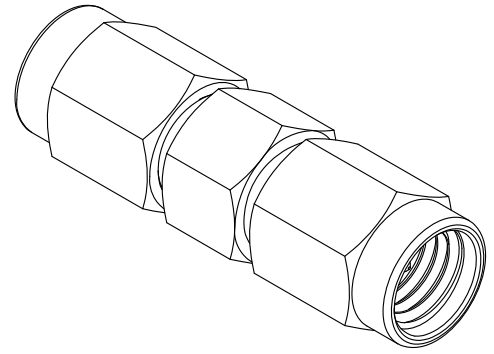
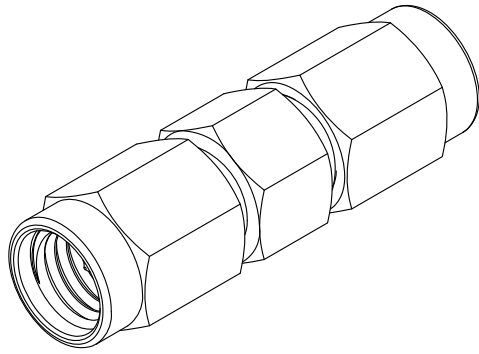


# SPECIFICATION CONTROL DRAWING



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


## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 38.0 GHz.
VSWR (MAX) *	_____	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX)	_____	.040 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

\* GATED TESTING APPLIED.

**RoHS**  
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 HAVERHILL, MA. 01835
AA	10-1087	1/28/10	TS	DECIMALS      FRACTIONAL      ANGULAR .X ± .030      ± 1/64      X° ± 1' 0" .XX ± .010           X° X' ± 15" .XXX ± .005 SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10.}}$	TITLE <b>SSMA PLUG TO SSMA, PLUG ADAPTER</b>
AB	10-1775	8/20/10	TS		
AC	17-1353	3/16/17	DC		
				DRAWN    SS      DATE    1/28/10	
				APPROVED    TS      DATE    1/28/10	
				CODE IDENT. 2J899	DWG. NO.    1100-9292-6200
				SHEET 1 OF 2	

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.5 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

- SSMA, JACK INSERTION (MAX. OUNCES) \_\_\_\_\_ N/A
- SSMA, JACK WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

RECOMMENDED MATING TORQUE (SSMA, PLUG) \_\_\_\_\_ 5 - 7 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, 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

BODIES & COUPLING NUT \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACT & RETAINING RING \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

GASKET \_\_\_\_\_ SILICON RUBBER PER ZZ-R-765.

## 6. FINISH

BODIES & COUPLING NUT \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CONTACT \_\_\_\_\_ GOLD PER ATSM B 488, TYPE I, 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, GASKET & RETAINING RING \_\_\_\_\_ N/A