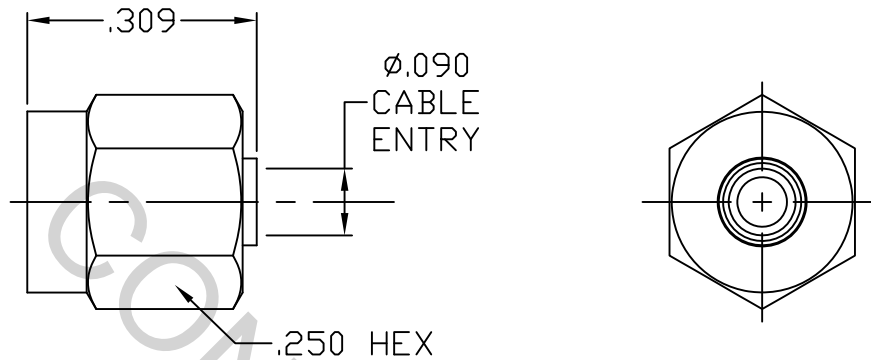
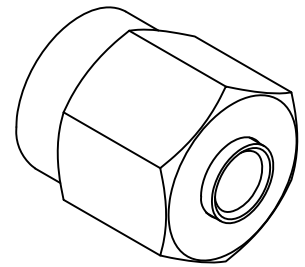
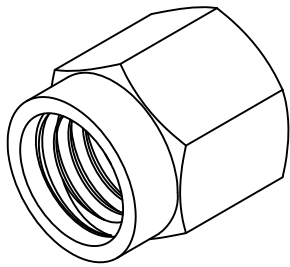


SPECIFICATION CONTROL DRAWING



NOTE: CABLE INNER CONDUCTOR IS USED AS THE CENTER CONTACT

1. MATING INTERFACE DIMENSIONS Per DYNAWAVE MD-92-1 (SSMA PLUG).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 50.0 GHz
VSWR (MAX) *	_____	1.05 + .005 x FGHz
INSERTION LOSS (dB MAX) *	_____	CABLE LOSS ONLY
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 135°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	N/A (CABLE INNER CONDUCTOR)
• 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			 Haverhill, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	885	9/92	GT	.X ± .030		X ° ± 1° 0'	
AA	08-2014	11/25/08	TS	.XX ± .010	± 1/64	X ° X' ± 15'	
AB	18-1858	8/7/18	DC	.XXX ± .005			
				DRAWN	GT	DATE	9/92
				APPROVED	DGG	DATE	9/92
				CODE IDENT.			
				2J899	SHEET 1 OF 2	DWG. NO.	9200-8520-6244
				TITLE			SSMA PLUG, DIRECT SOLDER TO Ø.085 SEMI-RIGID CABLE (WITHOUT CENTER CONTACT)

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ N/A

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ N/A

● WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 5 - 8 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO +135° 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 & COUPLING NUT _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER
ALLOY No. UNS-C17300, TEMPER TD04.

GASKET _____ SILICONE RUBBER PER ZZ-R-765

6. FINISH

COUPLING NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

BODY _____ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290
(.000150 MIN. THK.) OVER COPPER per AMS-2418
(.000010 MIN. THK.)

RETAINING RING & GASKET _____ N/A