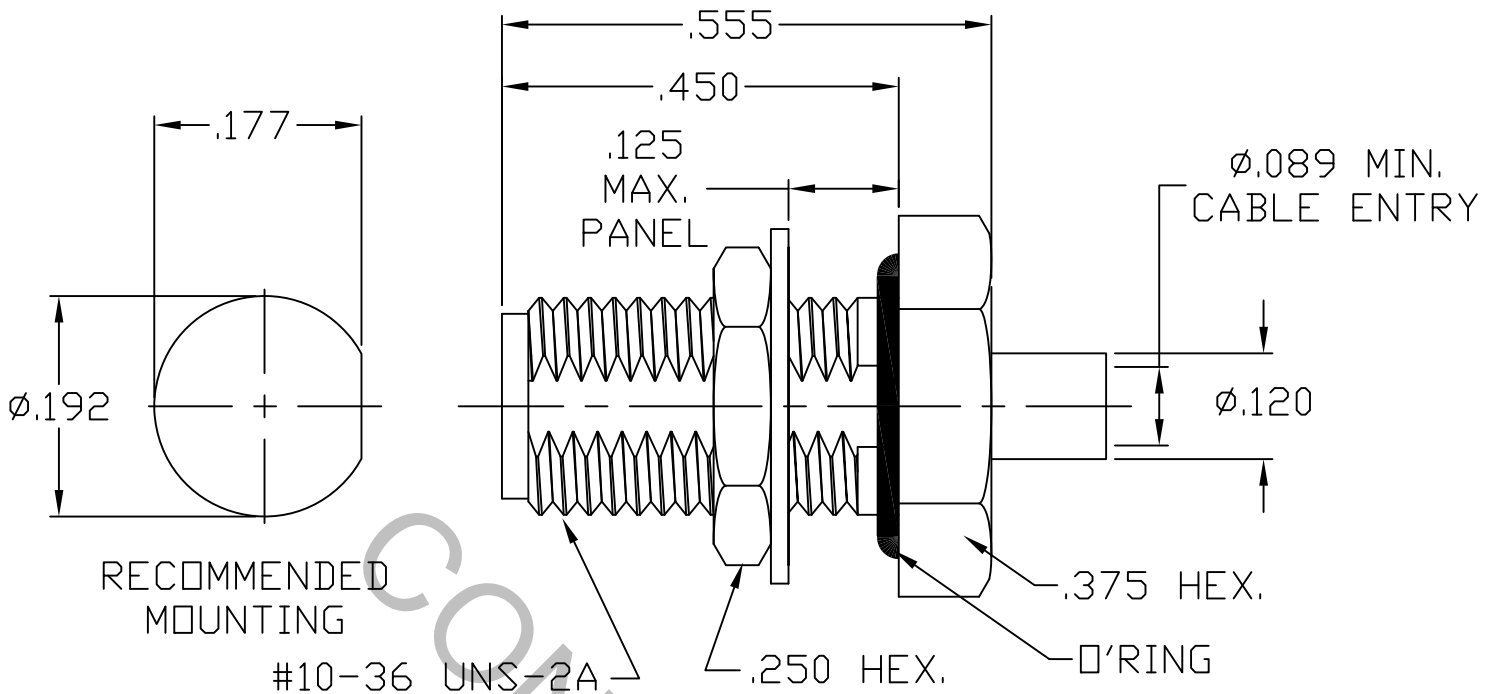


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A FIG. 319.2, SSMA, JACK.

## 2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 36.0 GHz.
VSWR (MAX.) *	1.07 + .010 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

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL MA. 01835
AA	07-1822	8/15/07	TS	DECIMALS	FRACTIONAL	ANGULAR	
AB	07-1828	8/16/17	TS	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1' 0" X° X' ± 15'	
AC	17-2231	10/23/17	TS	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN TS	DATE 8/15/07	TITLE SSMA, JACK BULKHEAD MOUNT DIRECT SOLDER TO .085 SEMI-RIGID CABLE	
				APPROVED DC	DATE 8/15/07		
				CODE IDENT.	SHEET 1 OF 2	DWG. NO. 9310-8521-6444	
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 32.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 1.0

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

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

INSTALLATION TORQUE \_\_\_\_\_ 5 TO 8 IN./LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 °c TO + 200 °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

CONNECTOR BODY, LOCKNUT AND LOCKWASHER \_\_\_\_\_ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A.

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.

O'RING \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765E, CLASS 1.

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

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ 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 NICKEL (WOODS OR WATTS), (.000010 MIN. THK.).

LOCKNUT AND LOCKWASHER \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (00005 MIN. THK.) OVER COPPER PER AMS-2418, (.000040 MIN. THK.)

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE 1, CODE C, CLASS 1.25 (.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 AND O'RING \_\_\_\_\_ N/A



SHEET 2 OF 2

DWG.  
NO.

9310-8521-6444

REV.

AC