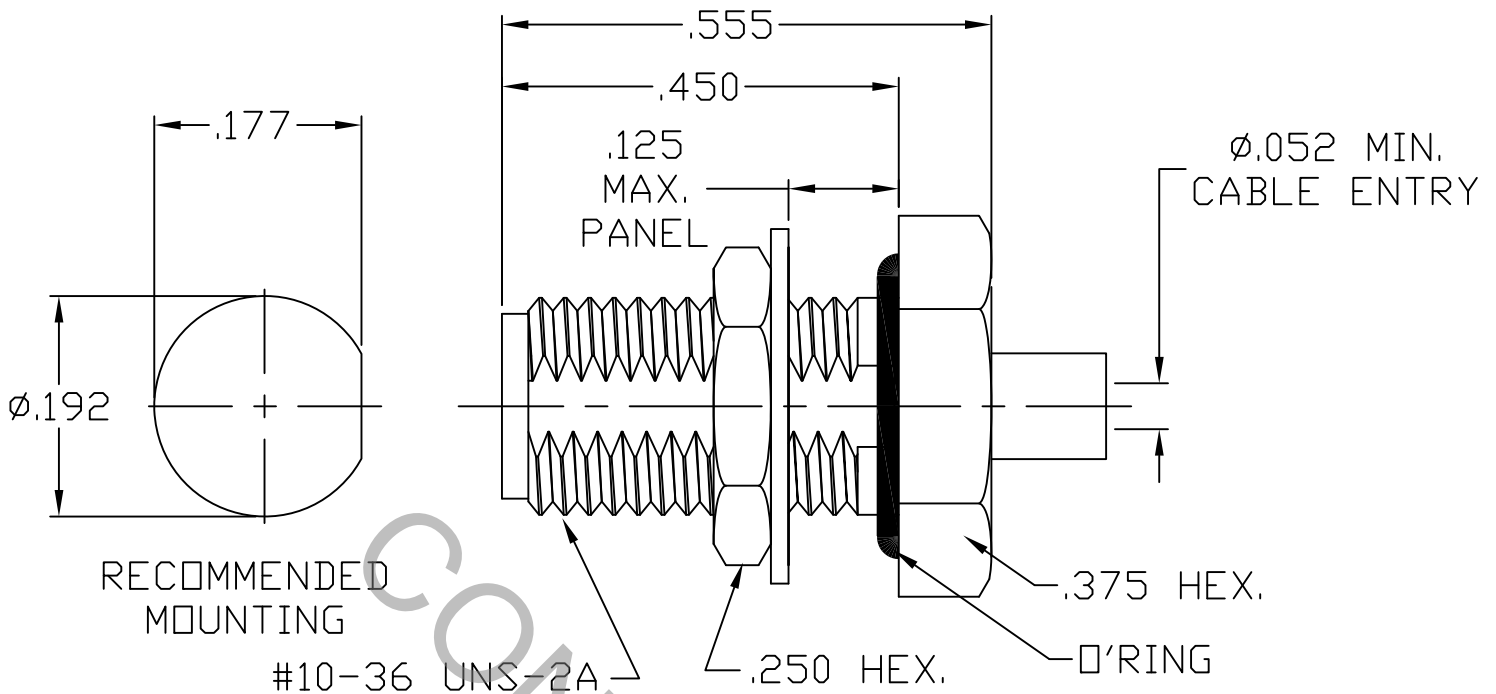


# SPECIFICATION CONTROL DRAWING



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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL MA. 01835
AA	13-1347	3/11/13	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			TITLE SSMA, JACK BULKHEAD MOUNT DIRECT SOLDER TO Ø.047 SEMI-RIGID CABLE
				DRAWN	TS	DATE 3/11/13	
				APPROVED	DC	DATE 3/11/13	
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9310-4721-6400

# 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 B.

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ 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  
(.000150 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)

LOCKNUT AND LOCKWASHER \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE 1, 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 AND O'RING \_\_\_\_\_ N/A



SHEET 2 OF 2

DWG.  
NO.

9310-4721-6400

REV.

AA