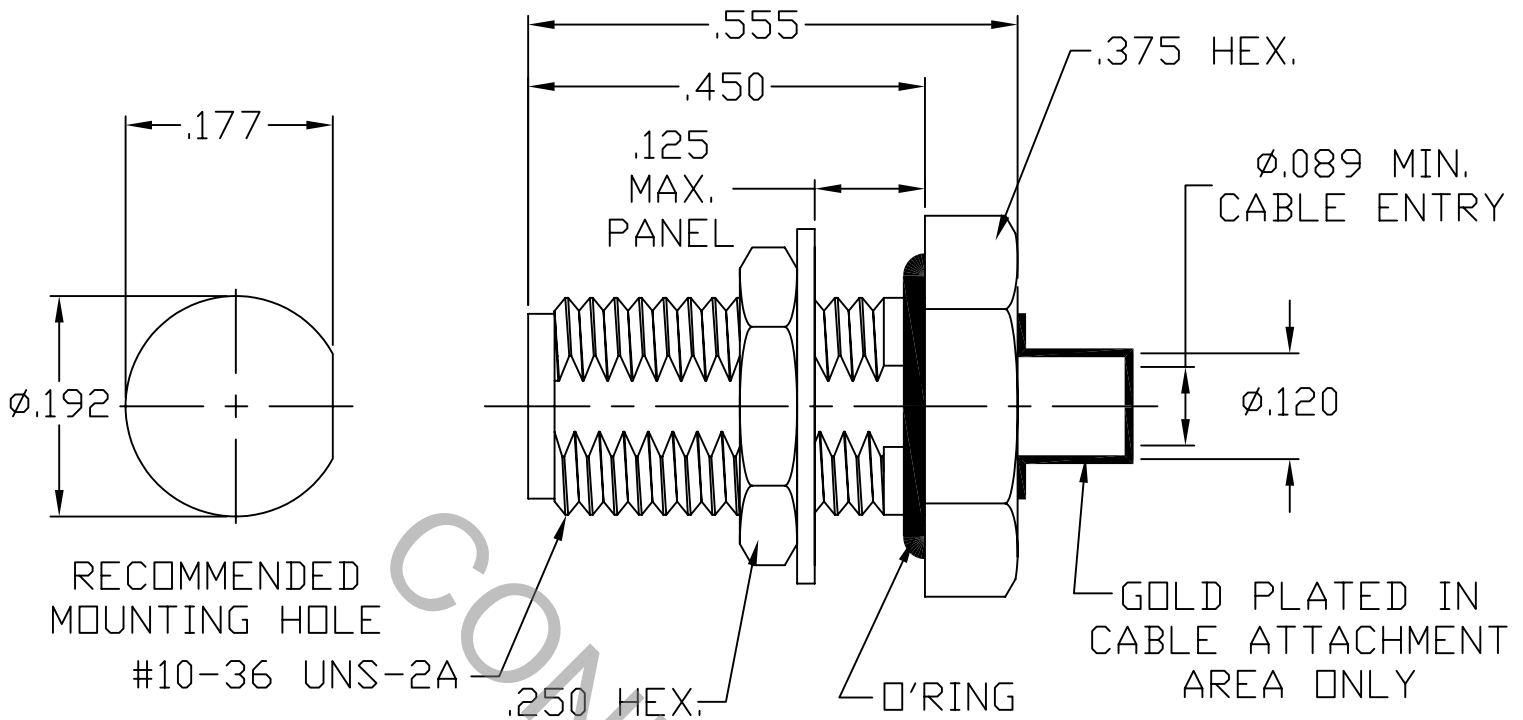


SPECIFICATION CONTROL DRAWING



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	08-1246	3/5/08	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 .085 SEMI-RIGID CABLE	
				DRAWN	TS	DATE		3/5/08
				APPROVED	DC	DATE		3/5/08
				CODE IDENT.			DWG. NO. 9310-8521-6844	
				2J899	SHEET	1 OF 2		

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 (CABLE ENTRY AREA ONLY) _____ GOLD PER ASTM-B-488, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000150 MIN. THK.) OVER COPPER PER MIL-C-14550.

CONNECTOR BODY, LOCKNUT AND LOCKWASHER _____ PASSIVATE PER AMS QQ-P-35, TYPE 2

CENTER CONTACT _____ GOLD PER ASTM-B-488, TYPE 1, CODE C, CLASS 2.5
(.000010 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550.

INSULATOR AND O'RING _____ N/A