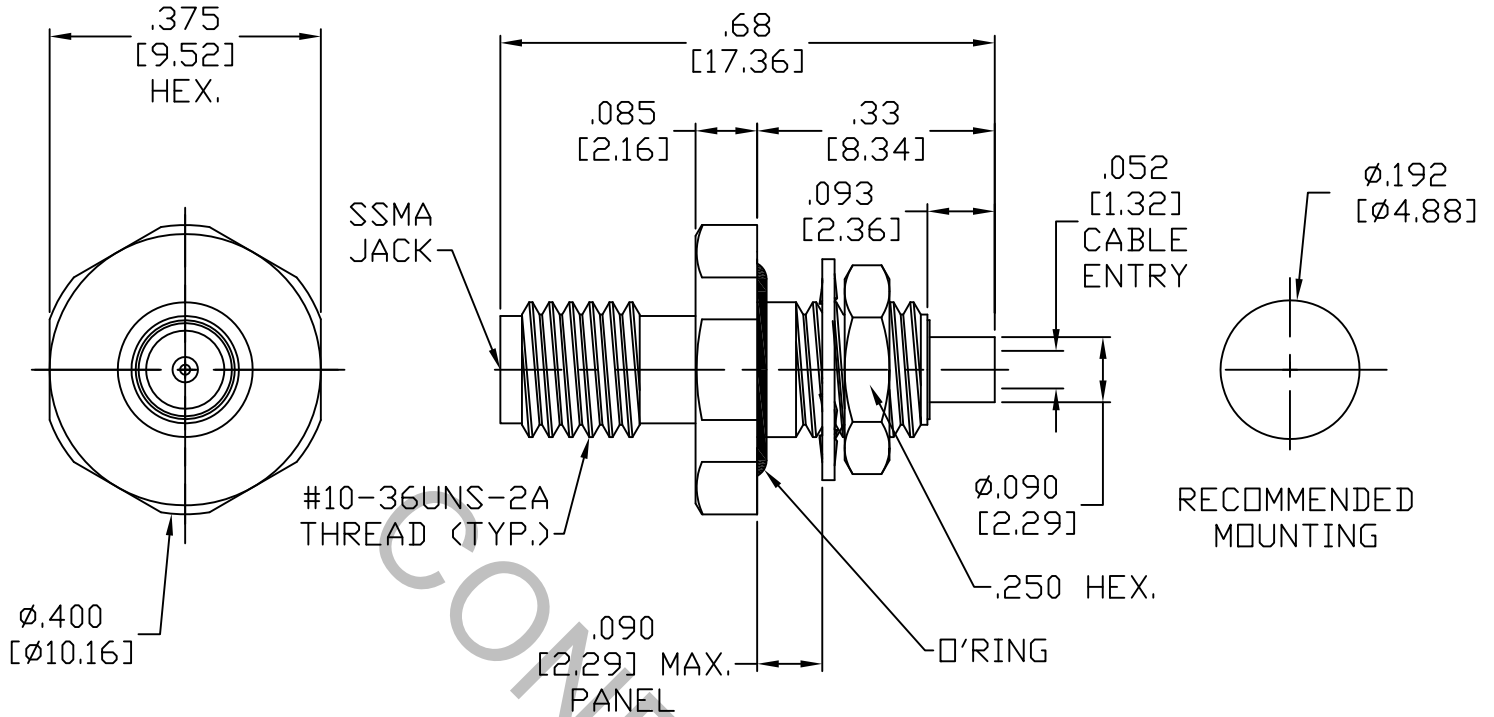


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS per MIL-STD-348 Fig. 319-2 (SSMA JACK).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 6.0 GHz
VSWR (MAX.) *	_____	1.07 + .008 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	170
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	12.0
• 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	18-1427	4/18/18	TS	DECIMALS FRACTIONAL ANGULAR .X ± .030 ± 1/64 X° ± 1°0' .XX ± .010 .XXX ± .005 X° X' ± 15'	
				DRAWN TS DATE 4/18/18	TITLE SSMA JACK HERMETICALLY SEALED BULKHEAD, DIRECT SOLDER TO U.FL-LP-066-A-XX.X CABLE
				APPROVED DC DATE 4/18/18	
				CODE IDENT.	DWG. NO. 9310-4721-6701
				2J899	
				SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT and GLASS PIN	
MIN. AXIAL FORCE (BOTH)	N/A
MIN. RADIAL TORQUE (GLASS PIN)	N/A
CENTER CONTACT MATING FORCES	
● INSERTION (MAX. OUNCES)	48.0
● WITHDRAWAL (MIN. OUNCES)	2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	
● SSMA CONNECTOR INTERFACE	6-8 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)
HERMETICITY	1 x 10 ⁻⁸ cc/SEC.

5. MATERIAL

BODY, PRESS SLEEVES, LOCKNUT	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CENTER CONTACTS	BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATORS	TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.
LOCKWASHER	400 SERIES STAINLESS STEEL
GLASS	ELECTRO-GLASS EN-1
GLASS, MALE PIN	KOVAR
O'RING & GASKETS	SILICON RUBBER PER ZZ-R-765

6. FINISH

BODY	ELECTROLESS NICKEL PER MIL-C-26074E, (.00020-.00030 THK.) WITH BLACKEN ECLIPSE ON 303 STAINLESS STEEL OVER WOODS OR WATTS NICKEL (.000010 MIN. THK.).
PRESS SLEEVES	GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 Min. Thk.) OVER NICKEL per QQ-N-290, CLASS 1 (.000150 Min. Thk.) OVER COPPER per MIL-C-14550 (.000010 Min. Thk.).
CENTER CONTACTS & GLASS MALE PIN	GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 Min. Thk.) OVER NICKEL per QQ-N-290, CLASS 1 (.000050 Min. Thk.) OVER COPPER per MIL-C-14550 (.000010 Min. Thk.).
LOCKNUT & LOCKWASHER	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
INSULATORS, O'RING, GLASS & GASKETS	N/A