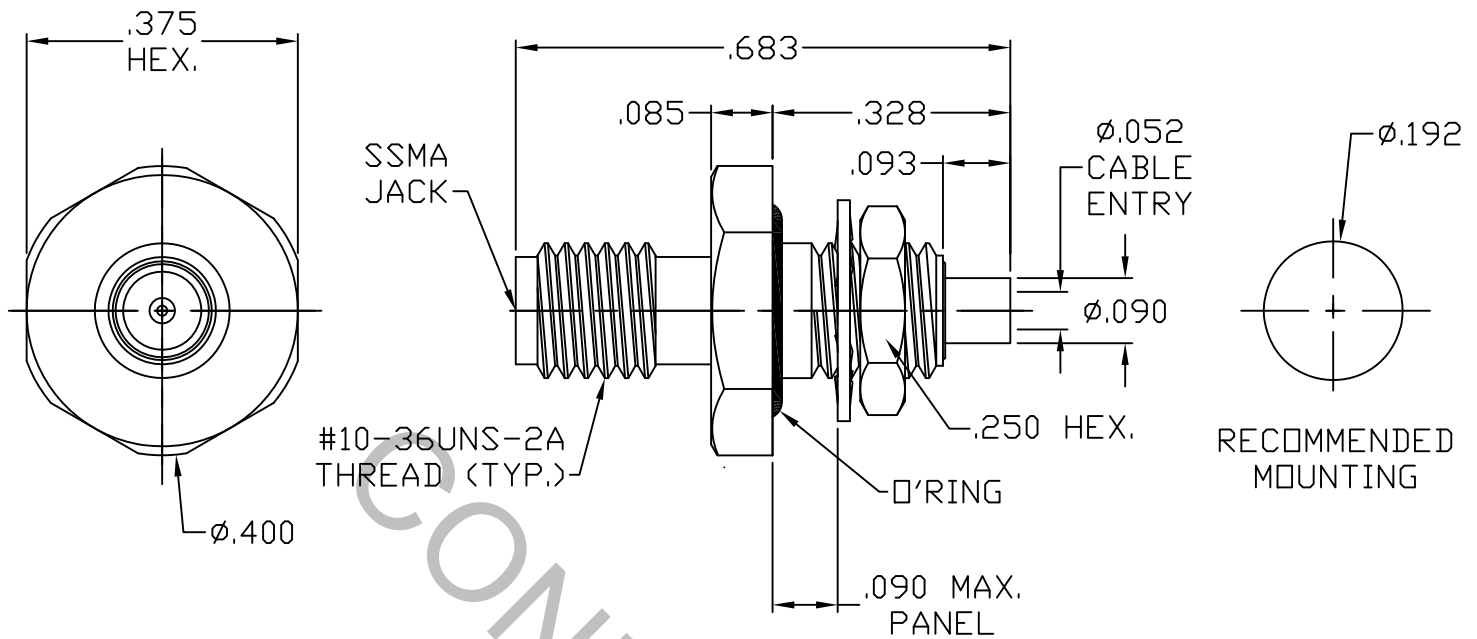


SPECIFICATION CONTROL DRAWING



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
				DECIMALS	FRACTIONAL	ANGULAR	
AA	18-1556	5/17/18	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1°0' X° X' ± 15'	
AB	18-1564	5/21/18	TS				
AC	18-1595	5/29/18	TS	DRAWN	TS	DATE 5/17/18	TITLE SSMA, JACK BULKHEAD, DIRECT SOLDER TO U.FL-LP-6-088K-A-XX.X CABLE
				APPROVED	DC	DATE 5/17/18	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9310-4721-6702
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT and GLASS PIN	
MIN. AXIAL FORCE (BOTH)	4.5 LBS.
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)
INGRESS PROTECTION	IP68, PROTECTED AGAINST WATER SUBMERSION, 2 METERS FOR 30 MINUTES, BOTH MATED AND UNMATED.

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.
INSULATOR	TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.
LOCKWASHER	400 SERIES STAINLESS STEEL
O'RING	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 SAE AMS QQ-N-290, CLASS 1 (.000150 Min. Thk.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
CENTER CONTACT	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 (.000050 Min. Thk.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
LOCKNUT & LOCKWASHER	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
INSULATORS AND O'RING	N/A