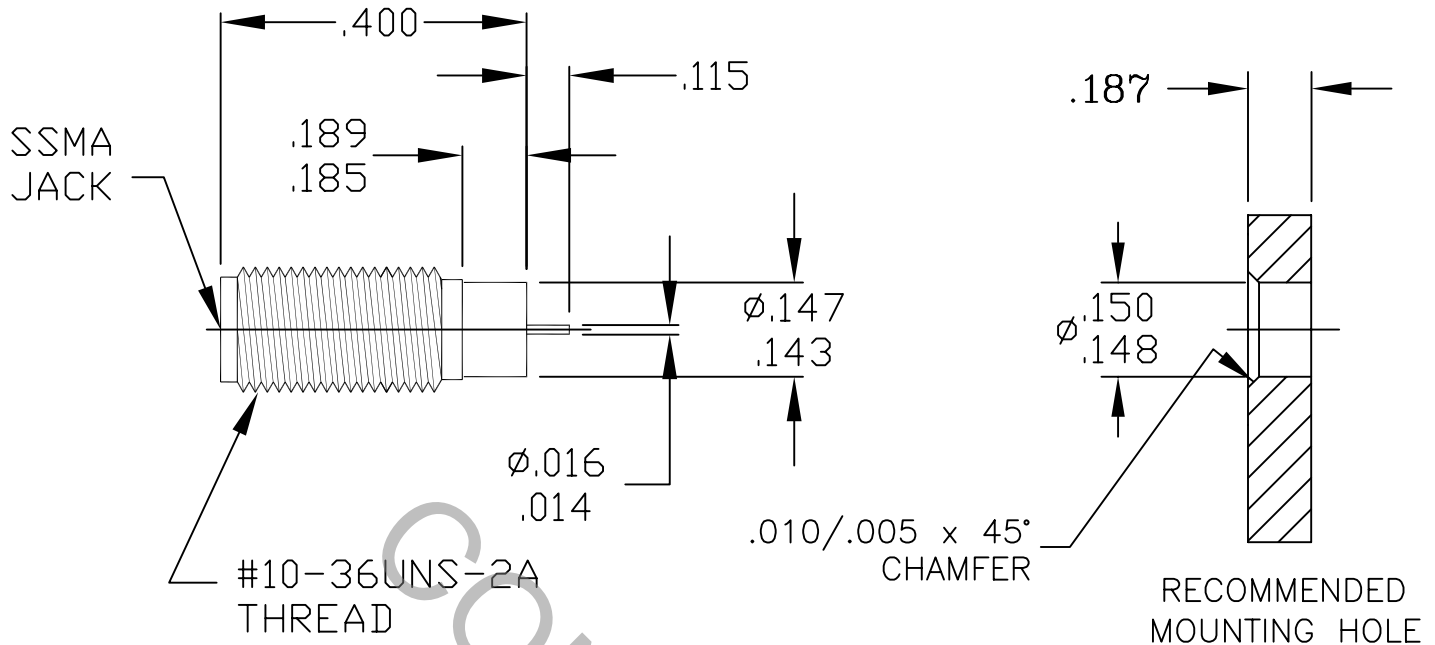


SPECIFICATION CONTROL DRAWING




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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) *	1.05 +.006 x FGHz.
INSERTION LOSS (dB MAX.)	.050 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)	6.0
• 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	06-1756	6/20/06	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1' 0" X° X' ± 15'	TITLE SSMA, JACK, HERMETICALLY SEALED SOLDER-IN MOUNT
				DRAWN	TS	DATE: 6/20/06	
				APPR.	DC	DATE: 6/20/06	
				CODE IDENT.		SHEET 1 OF 2	DWG. NO. 9740-0431-6418
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS
- MIN. RADIAL TORQUE _____ 1.5 IN OZ

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX LBS.) _____ 48.0 (INTERFACE)
- WITHDRAWAL (MIN. LBS.) _____ 2.0 (INTERFACE)

CONNECTOR DURABILITY (MIN. MATING) _____ 500

RECOMMENDED TORQUE

- INTERFACE _____ 6-8 IN-LB

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 (HIGH FREQUENCY) _____ MIL-STD-202, METHOD 204, COND. D (20 G's)
VIBRATION (RANDOM) _____ MIL-STD-202, METHOD 214, TEST COND. F.
THERMAL SHOCK _____ MIL-STD-202, METHOD 107, TEST COND. B, HIGH TEMP. +165° c.
MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b, 1000 MEGOHMS (5 MINUTES).
CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (375 VRMS MIN.)
HERMETICITY _____ 1 X 10⁻⁸ cc/SEC He

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 581, TYPE 303 COND. A
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER D 1710
GLASS _____ DOW CORNING 7052
GLASS PIN _____ KOVAR PER MIL-I-23011

6. FINISH

CONNECTOR BODY _____ GOLD PER ASTM B 488 TYPE I, CODE C, CLASS 1.25
(.00005 MIN THK.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00015 MIN THK.).
CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 1
(.00005-.0001 THK.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00005-.0001 THK.).
INSULATOR & GLASS' _____ N/A