

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 304-2
RECOMMENDED MATING TORQUE	20 IN.-LBS. NOM.
FORCE TO ENGAGE	6 IN.-LBS. MAX.
FORCE TO DISENGAGE	6 IN.-LBS. MIN.
CONTACT CAPTIVATION (BOTH DIRECTIONS)	6 LBS. MIN.
DURABILITY	500 CYCLES MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	35 GRAMS NOM.
CENTER CONTACT INSERTION FORCE (INTERFACE)	2 LBS. MAX.
CENTER CONTACT WITHDRAWAL FORCE (INTERFACE)	2 OZ. MIN.

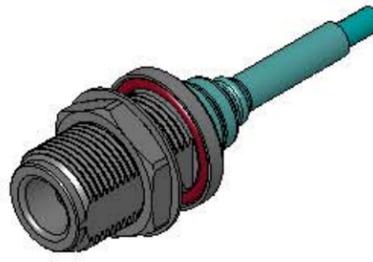
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.045√ F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1200 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	400 Vrms. MIN. @ 70,000 FEET
RF HIGH POTENTIAL	800 Vrms. MIN.
CONTACT RESISTANCE (INNER)	1.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C TO +165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

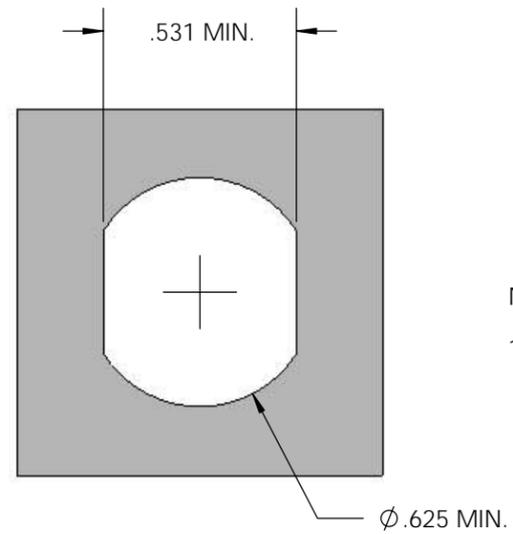
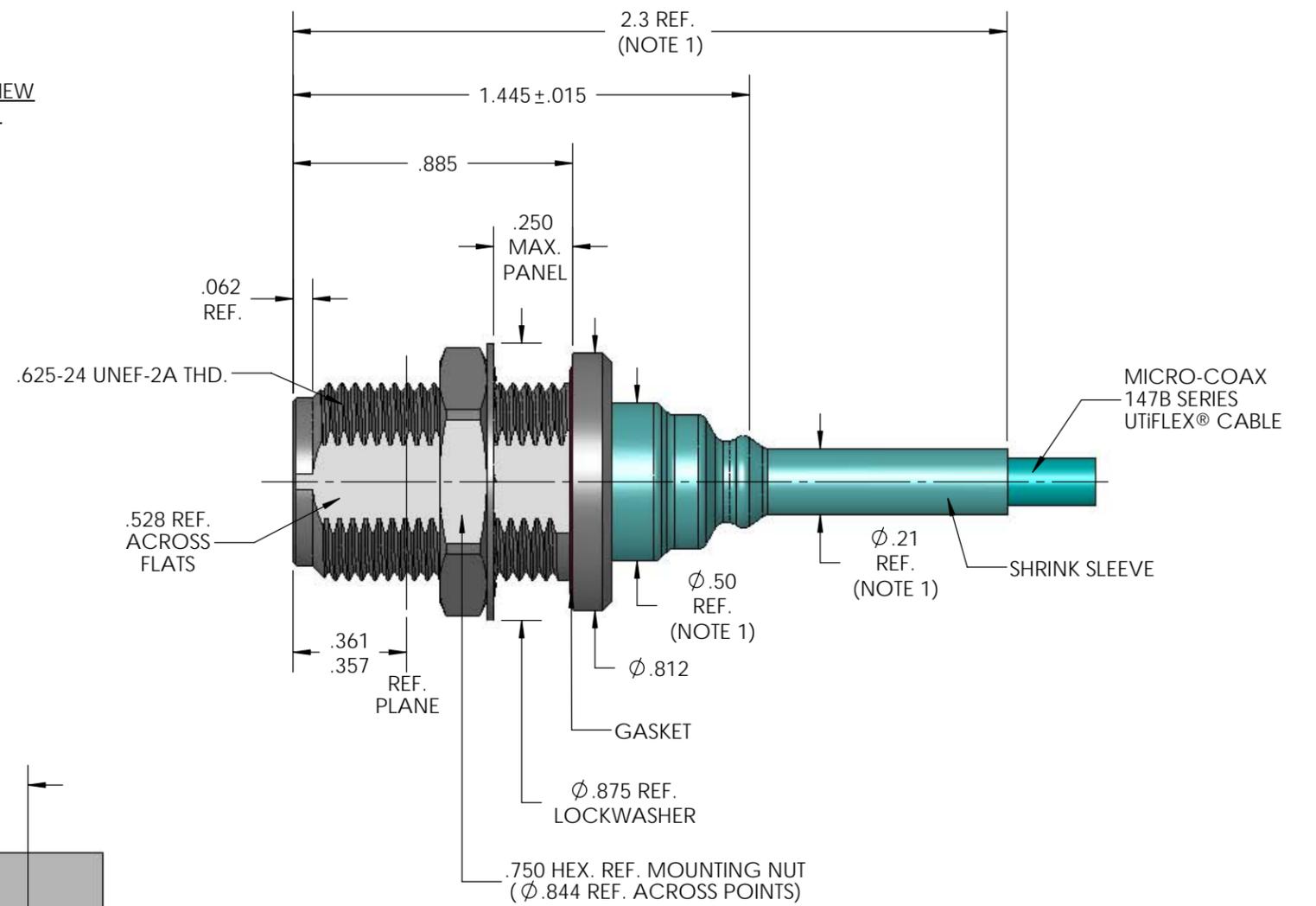
MATERIAL AND FINISH	
CONTACT, CONTACT FLEA	BERYLLIUM COPPER, UNS NO. C17300, PER ASTM-B-196 GOLD PLATE PER MIL-G-45204, 50 MICROINCH MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES THK. MIN.
BODY, SLEEVE, CLAMP NUT, LOCKNUT	STEEL, CORROSION RESISTANT, CONDITION A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
INSULATOR, DIELECTRIC STOP	POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358.
CONTACT RING	BRASS, TEMPER HO2, PER ASTM-B-16 UNS NO. C36000 GOLD PLATE PER MIL-G-45204, 50 MICROINCHES MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES MIN.
GASKET	SILICONE RUBBER PER ZZ-R-765.
LOCKWASHER	302 STAINLESS STEEL, PASSIVATE PER ASTM-A-967

APPLICATION	
CABLE(S)	147B SERIES
INSTALLATION	PER CONFIGURATOR

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	07/07/05	SRS	RS
B	ECO 65409	9/15/2006	JMK	MJK



ISOMETRIC VIEW
SCALE 1:1



RECOMMENDED MOUNTING HOLE

NOTE:
1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATION DRAWING

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	DWN. SRS	12/21/04					
	CHKD.						
	APPVD.						
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE						
XX ± .02	N JACK, BULKHEAD, PRECISION, 147B SERIES CABLE						
.XXX ± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.						
.XXXX ± .0010	FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.	
ANGLES ± 2°	64639	B	2:1	1 OF 1	SD904229	B	