

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/59 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	2 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	MASS = 3.76 GRAMS NOM.
MASS WITHOUT NUT, LOCKWASHER, & GASKET	MASS = 3.22 GRAMS NOM.
RECOMMENDED LOCKNUT TORQUE	12 - 15 IN. LBS.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 \sqrt{f} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	650 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	170 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	425 Vrms MIN.
CONTACT RESISTANCE (INNER)	2.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-100 °C TO +150 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH	
CONTACT & BODY	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
LOCKNUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
FLAT WASHER	STEEL, CORROSION RESISTANT, PER ASTM-A-240, UNS NO. S30400, PASSIVATE PER ASTM-A-967

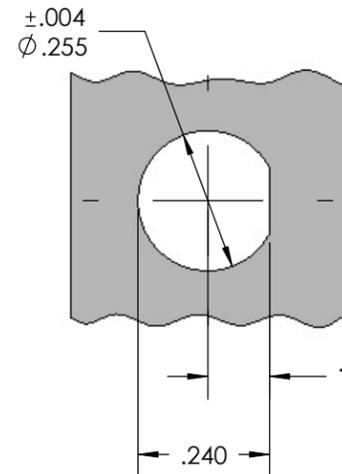
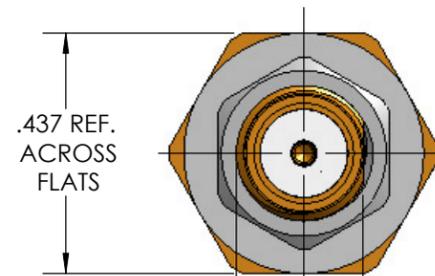
APPLICATION	
CABLE(S)	UFF092D CABLE
INSTALLATION	PER CONFIGURATOR

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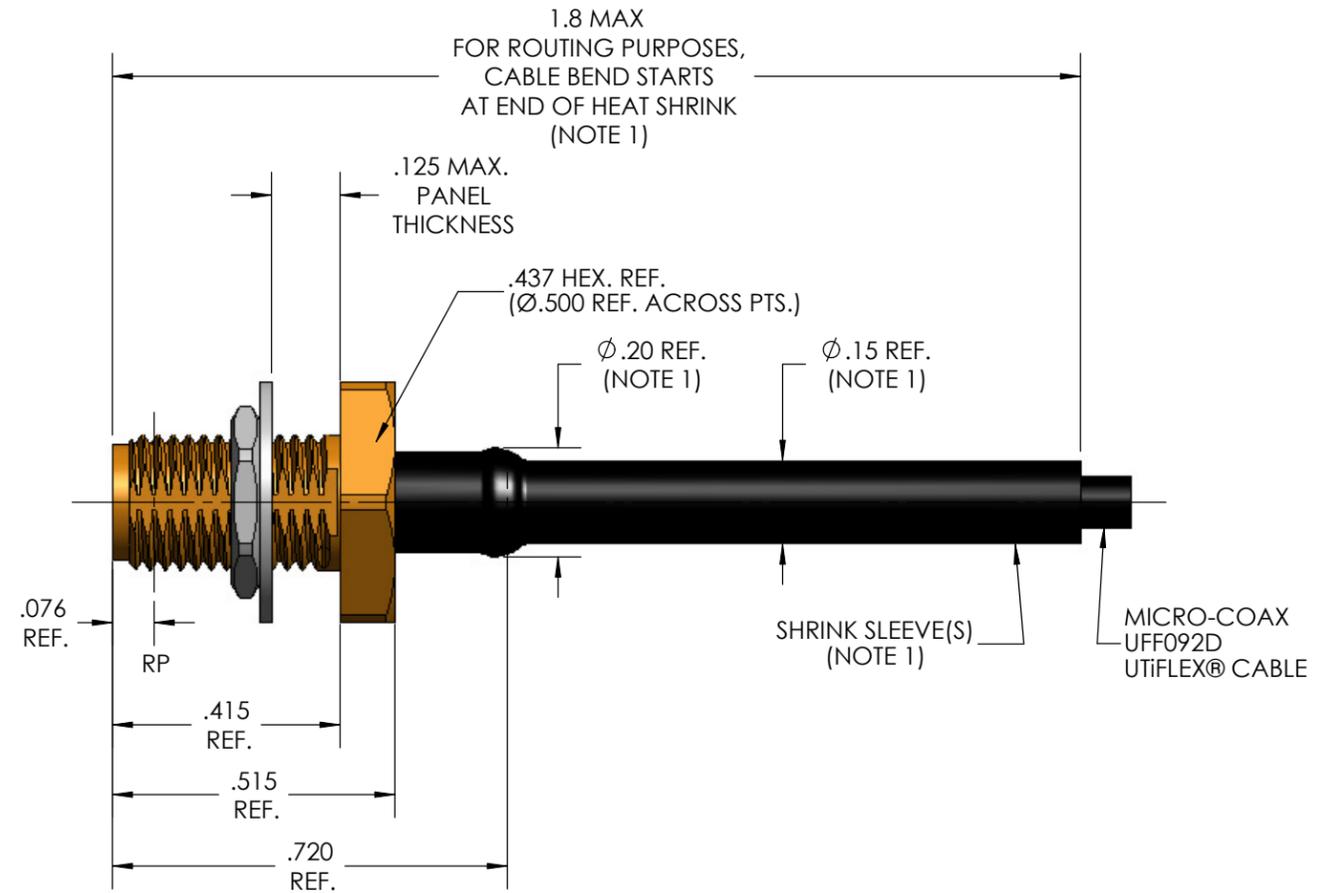
REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE, ECO 85011	1/14/2008	PLM	RS	JM
B	ECO 85750	12/10/2008	PLM	RS	MJR
C	ECO 115360	6/20/2011	MJM	RS	CCF
C1	ECO 125402	7/25/2012	MJM	RS	CCF



ISOMETRIC VIEW
SCALE 2:1



RECOMMENDED MOUNTING HOLE



NOTES:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 904424-EM (EQUIPMENT MODEL).

SPECIFICATION DRAWING

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	DWN. SRS	09/27/05					
	CHKD. CCF	6/21/11					
	APPVD.						
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE						
.XX ±.02	SMA BULKHEAD JACK, SPACE GRADE, UFF092D 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	3:1	1 OF 1	SD904424	C1	