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)	3 LBS. MIN. *
AXIAL CONTACT RETENTION (FROM CABLE)	3 LBS. MIN. *
CENTER CONTACT INSERTION (FROM CABLE)	2 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	10 LBS MIN
MASS	3.08 GRAMS NOM.
RECOMMENDED JAM NUT TORQUE	12 - 15 IN. LB.

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	750 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	190 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	500 Vrms MIN.
CONTACT RESISTANCE (INNER)	2.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE	-65°C TO 165°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 (NO VIBRATION)
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION B (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

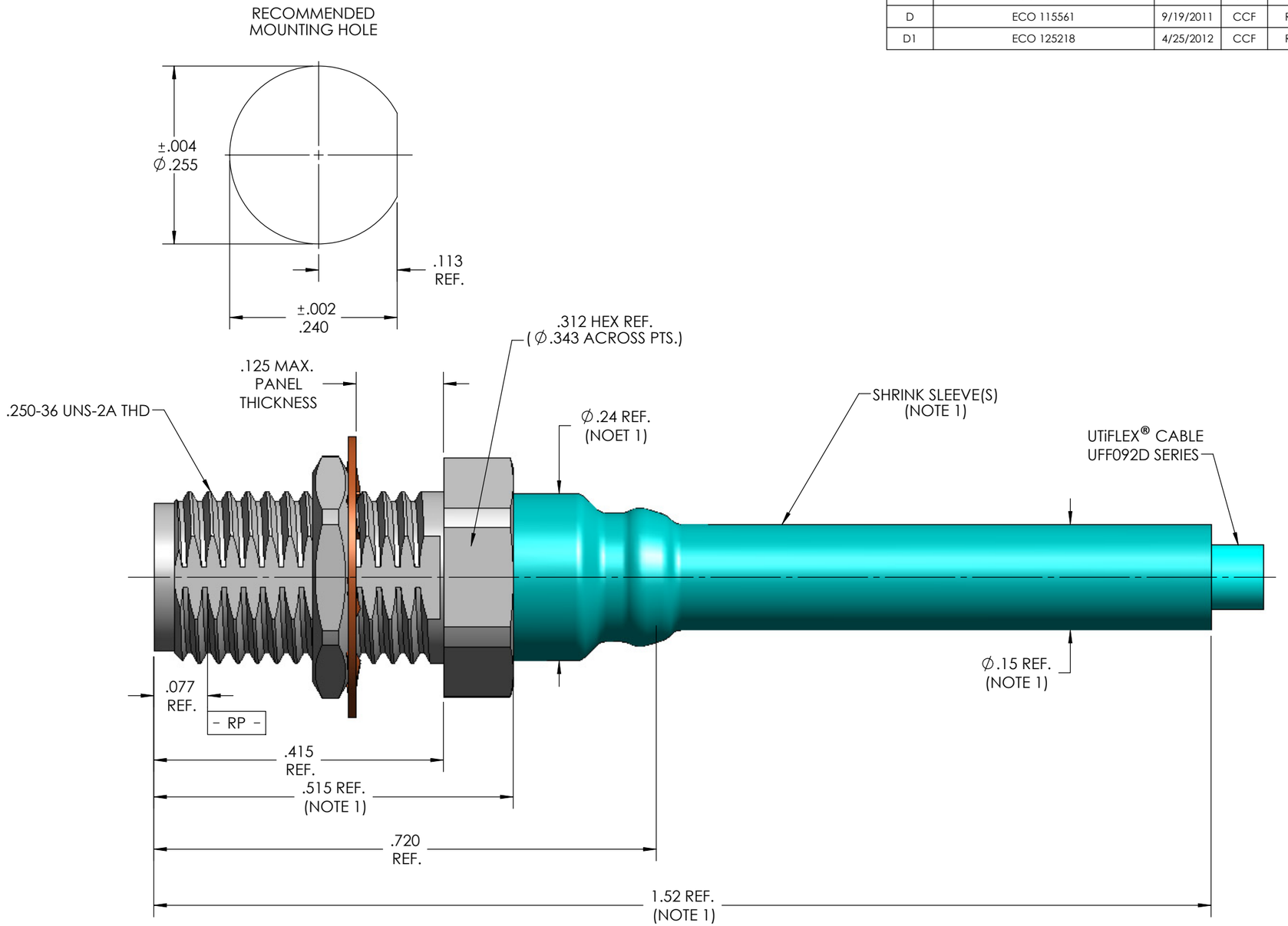
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
BODY	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
LOCKNUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATE PER MIL-DTL-45204, OVERNICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD(S)	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
LOCKWASHER	TIN BRASS (UNS C42500) PER ASTM-B-591 OR PHOSPHOR BRONZE (C5191R-H) PER JIS H3110, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710

APPLICATION

CABLE(S)	UFF092D CABLE
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	07/20/2003	RDM	RDS
B	ECO 45013	01/01/2004	RDM	DBK
C	ECO 105900	10/4/2010	CCF	RS
D	ECO 115561	9/19/2011	CCF	RS
D1	ECO 125218	4/25/2012	CCF	RS



SPECIFICATION DRAWING

NOTE:

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

* NOT IN ACCORDANCE WITH MIL-PRF-39012/59

	INITIALS	DATE
DWN.	CCF	10/04/10
CHKD.	MJM	9/26/11
APPVD.		

MICRO-COAX®
Leading the way in transmission line solutions.

TOLERANCES UNLESS OTHEWISE SPECIFIED	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	±2°

TITLE: SMA BULKHEAD JACK, UFF092D CABLE

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.	FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
	64639	B	6:1	1 OF 1	SD903846	D1