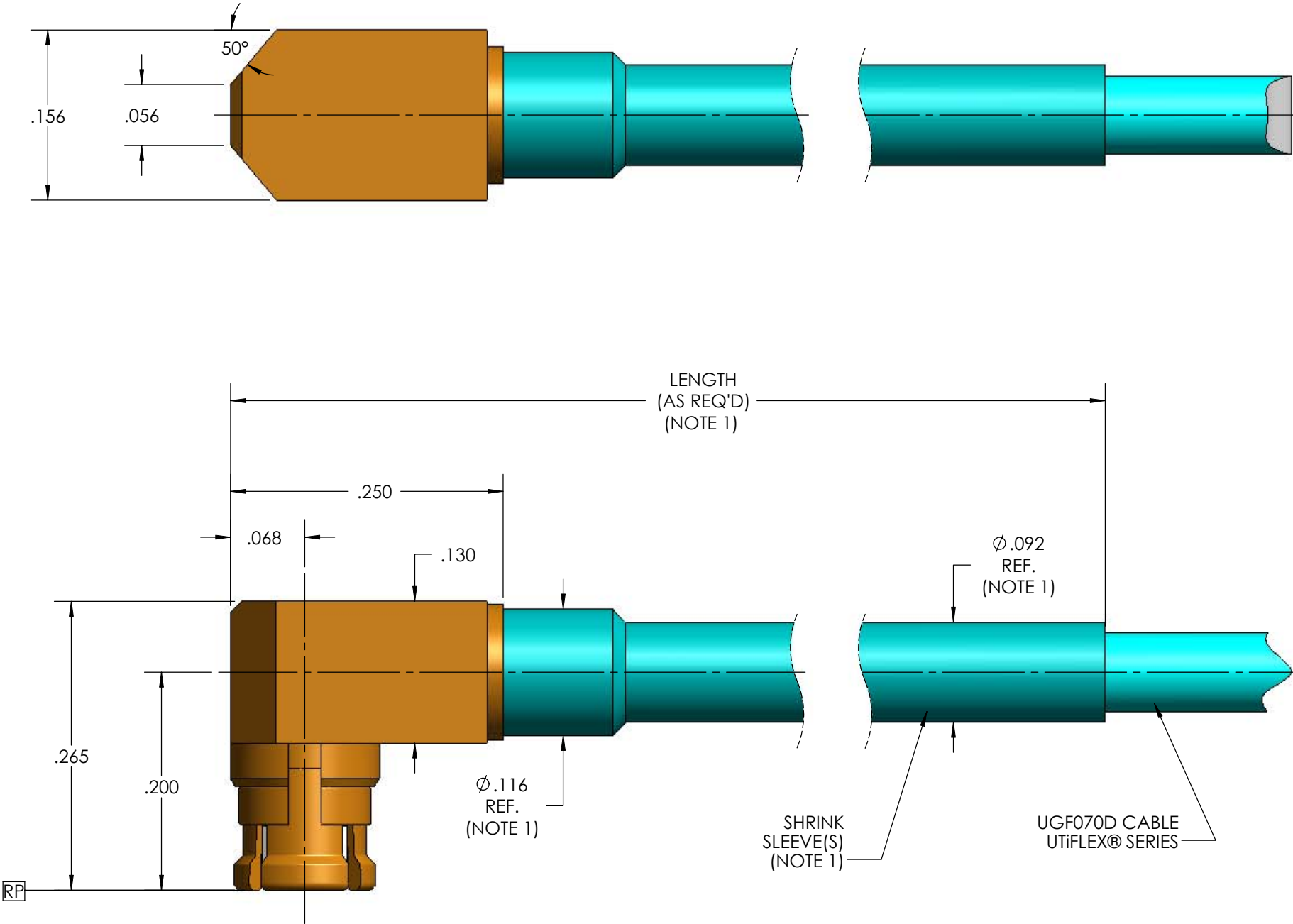


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 326-1A
SLANT SHEET	DSCC 94008 REF.
FORCE TO ENGAGE (FULL, LIMITED, SMOOTH)	15.0, 10.0, 2.0 LBS. MAX.
FORCE TO DISENGAGE (FULL, LIMITED, SMOOTH)	5.0, 2.0, 0.5 LBS. MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	3.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	3.0 LBS. MIN.
CABLE RETENTION	8.0 LBS. MIN.
DURABILITY (FULL, LIMITED, SMOOTH)	100, 500, 1000 CYCLES MIN.
MASS	MASS = 0.62 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40.0 GHz
VSWR DC - 18.0 GHz	1.20:1 MAX.
18.0 - 26.5 Ghz	1.35:1 MAX.
26.5 - 40.0 GHz	1.70:1 MAX.
INSERTION LOSS	0.08 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	525 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3.0 GHz	-80 dB MIN.
3.0 - 18.0 GHz	-65 dB MIN.
CORONA	140 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	350 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°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
MOISTURE RESISTANCE	N/A
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
BODIES, CONTACT, ANTI-ROCK RING, EMI SHIELD RING	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR(S)	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358
REAR INSULATOR	POLYETHERIMIDE THERMOPLASTIC , PER ASTM-D-5205
APPLICATION	
CABLE(S)	UGF070D
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



NOTE:

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

AL.

REV.	DESCRIPTION	DATE	BY	APPVD
A	ECO 55621	9/1/2005	JMK	MJK
A1	ECO 55761	10/20/2005	JMK	RS
A2	ECO 65053	2/3/2006	JMK	MJK
B	ECO 65307	8/16/2006	JMK	RDS
C	ECO 85269	5/13/2008	MJM	RS
D	ECO 95412	6/25/2009	MJM	MJR

LENGTH
(AS REQ'D)
(NOTE 1)

Ø.092
REF.
(NOTE 1)

SHRINK
SLEEVE(S)
(NOTE 1)

UGF070D CABLE
UTIFLEX® SERIES

SPECIFICATION DRAWING

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		DWN.	PLM	1/30/04						
		CHKD.	RS	5/13/08						
		APPVD.	RS	5/13/08						
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE								
		SMP SOCKET, MITER RIGHT ANGLE, UGF070D								
.XX ± .02		ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO. 64639	SIZE B	SCALE 8:1	SHEET NO. 1 OF 1	DRAWING NO. SD904008	REV D	
.XXX ± .005										
.XXXX ± .0010										
ANGLES ± 2°										