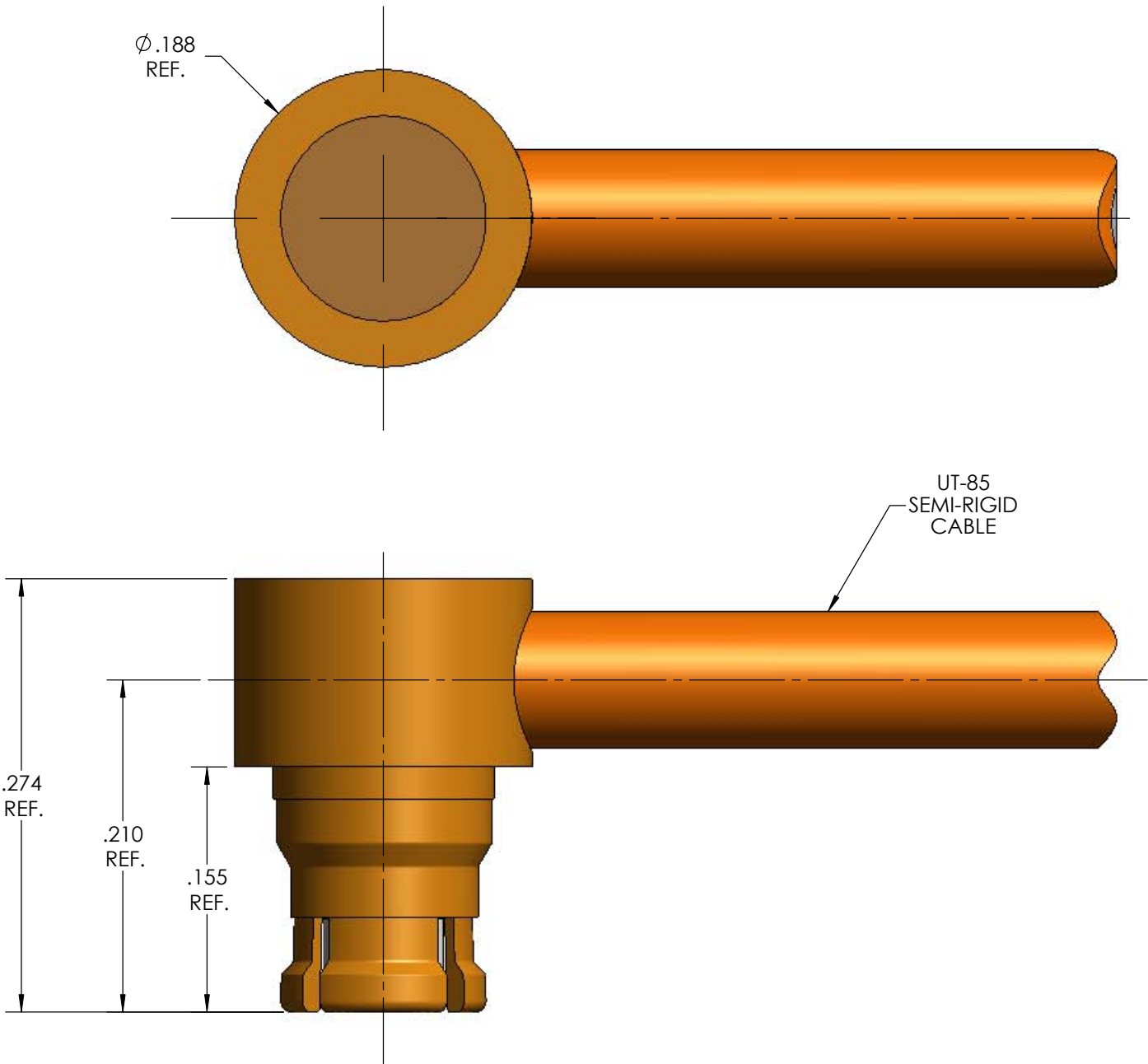


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 326-1A
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	DSCC 94007 & 94008 REF.
FORCE TO ENGAGE (FULL, LIMITED, SMOOTH)	15.0, 10.0, 2.0 LBS. MAX.
FORCE TO DISENGAGE (FULL, LIMITED, SMOOTH)	5.0, 2.0, 0.5 LBS. MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	3.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	3.0 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
DURABILITY (FULL, LIMITED, SMOOTH)	100, 500, 1000 CYCLES MIN.
MASS	MASS = 0.45 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18.0 GHz
VSWR DC - 4.0 GHz	1.12:1 MAX.
4.0 - 18.0 Ghz	1.35:1 MAX.
INSERTION LOSS	0.08 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	650 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 4 GHz	-65 dB MIN.
4 - 18 GHz	-50 dB MIN.
CORONA	170 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	425 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-40 °C TO 70 °C (SEE NOTE 1)
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, EMI ANTI-ROCK RING	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR(S)	TFE FLUOROCARBON PER ASTM-D-1710
END CAP	BRASS, PER ASTM-B-36 GOLD PLATE PER MIL-DTL-45204, OVER COPPER PLATE PER MIL-C-14550
APPLICATION	
CABLE(S)	UT-085 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - RDCR 117001	6/21/2011	MJM	MJR	MJR



SPECIFICATION DRAWING

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		DWN.	CCF	4/19/11							
		CHKD.	MJR	4/19/11							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		SMP SOCKET, RIGHT ANGLE, UT-85									
.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 10:1	SHEET NO. 1 OF 1	DRAWING NO. SD905110	REV A		
.XXX	± .005										
.XXXX	± .0010										
ANGLES	±2°										

NOTE(S):

1. HIGHER OPERATING TEMPERATURE IS POSSIBLE BUT MUST BE VALIDATED THROUGH TESTING.