THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE, ESR 914363	09/03/2009	PLM	RS	RS
2	REMOVED ELBOWS FROM VIEWS; UPDATED SPECIFICATION TABLE	03/14/2012	PLM	RS	CCF

MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIG. 313-3
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/26 REF.
RECOMMENDED MATING TORQUE	20.0 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN
COUPLING NUT RETENTION	60 LBS MIN.
FORCE TO ENGAGE	2.0 IN-LBS. MAX.
FORCE TO DISENGAGE	2.0 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MIN.
CABLE RETENTION	15 LBS. MIN.
MASS	MASS = 21.33 GRAMS

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50.0 Ohms NOM.
MAXIMUM FREQUENCY	14.0 GHz
VSWR DC - 12.4 GHz	1.15:1MAX.
12.4 GHz - 14.0 GHz	1.20:1 MAX
INSERTION LOSS	0.04 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	925 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 14 GHz	-90 dB MIN.
CORONA	240 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	600 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

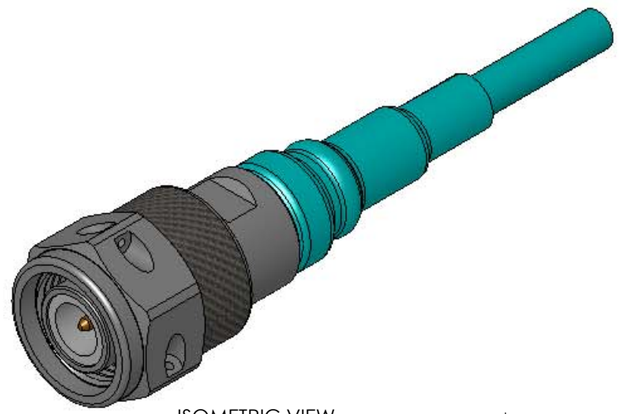
OPERATING TEMPERATURE	-62°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

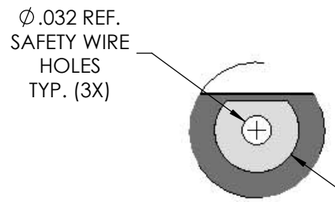
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC STOPS	POLYPHENYLENE SULFIDE, (PPS) PER ASTM-D-6358
BODY, CLAMP NUT, COUPLING NUT, REAR BUSHING	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
GASKET	SILICONE RUBBER PER ZZ-R-765
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR	TFE FLUOROCARBON, PER ASTM-D-1710

APPLICATION

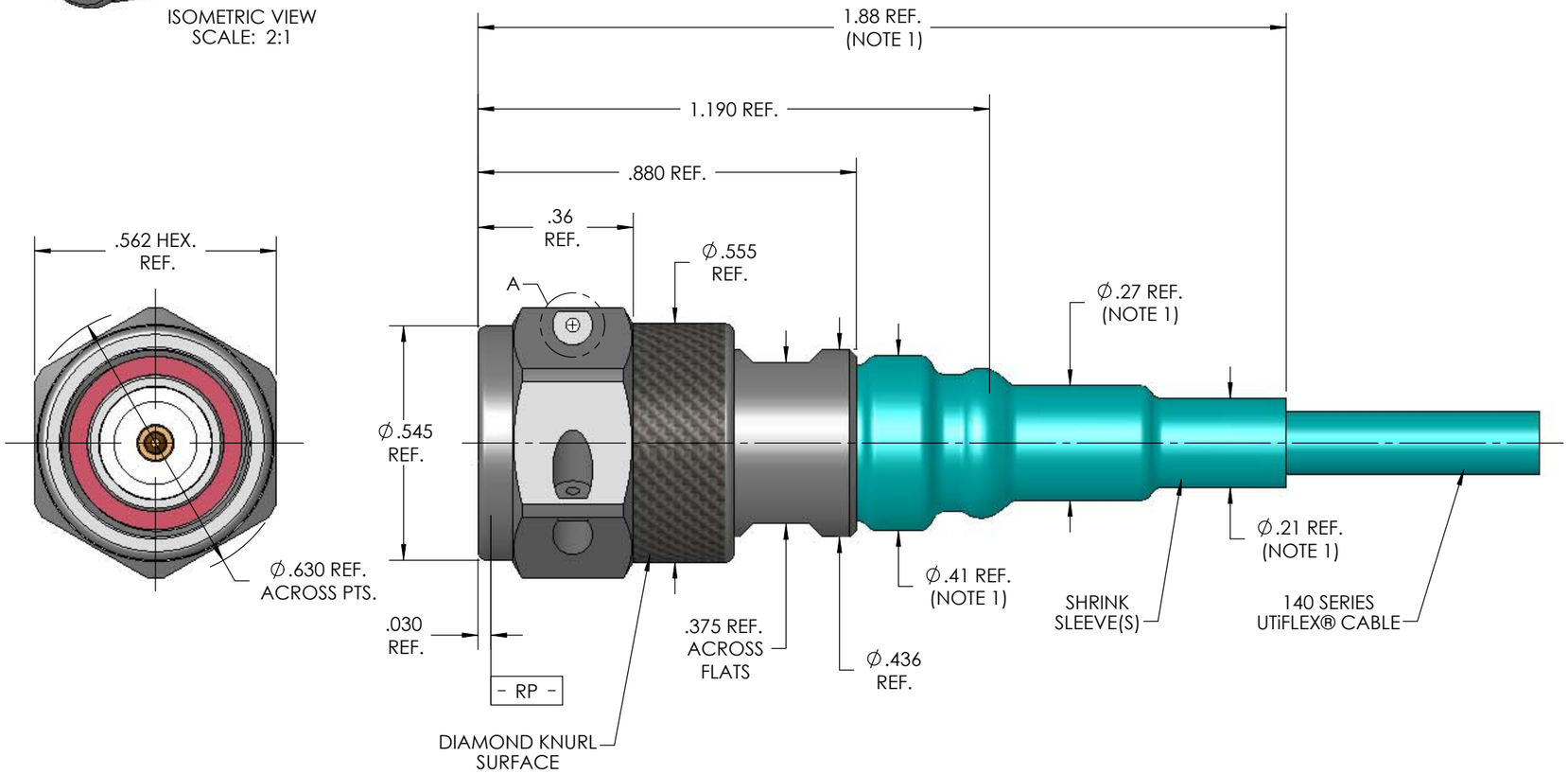
CABLE(S)	140 SERIES CABLE
INSTALLATION	PER CONFIGURATOR



ISOMETRIC VIEW
SCALE: 2:1



DETAIL A
SCALE 6 : 1



NOTE:

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

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	PLM	03/13/12
CHKD.	CCF	03/13/12
APPVD.		

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

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

TITLE: TNC PLUG, SAFETY WIRE HOLES, 140 SERIES

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	3:1	1 OF 1	SD905019	2