MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 402.1
SLANT SHEET	MIL-PRF-39012/1 REF.
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	6 IN-LBS. MAX.
FORCE TO DISENGAGE	6 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	34.33 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18.2 GHz
VSWR DC - 18.2 GHz	1.16:1MAX.
INSERTION LOSS	0.045 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1800 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	450 Vrms MIN. @70,000 FEET
RF HIGH POTENTIAL	1200 Vrms MIN.
CONTACT RESISTANCE (INNER)	1.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE	-55°C TO 150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B
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

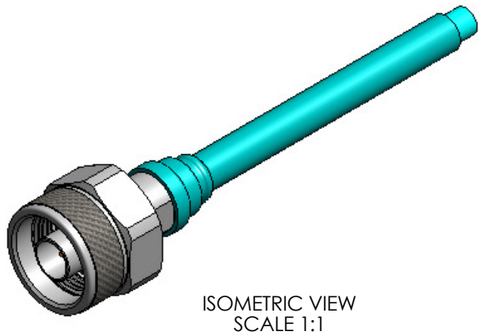
CONTACT, FLEA	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER QQ-N-290.
DIELECTRIC BEAD	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358
BODY, SLEEVE, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER ZZ-R-765
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
ELBOW	STEEL, CORROSION RESISTANT, ASTM-A-269, UNS NO. S30400, PASSIVATED PER ASTM-A-967

APPLICATION

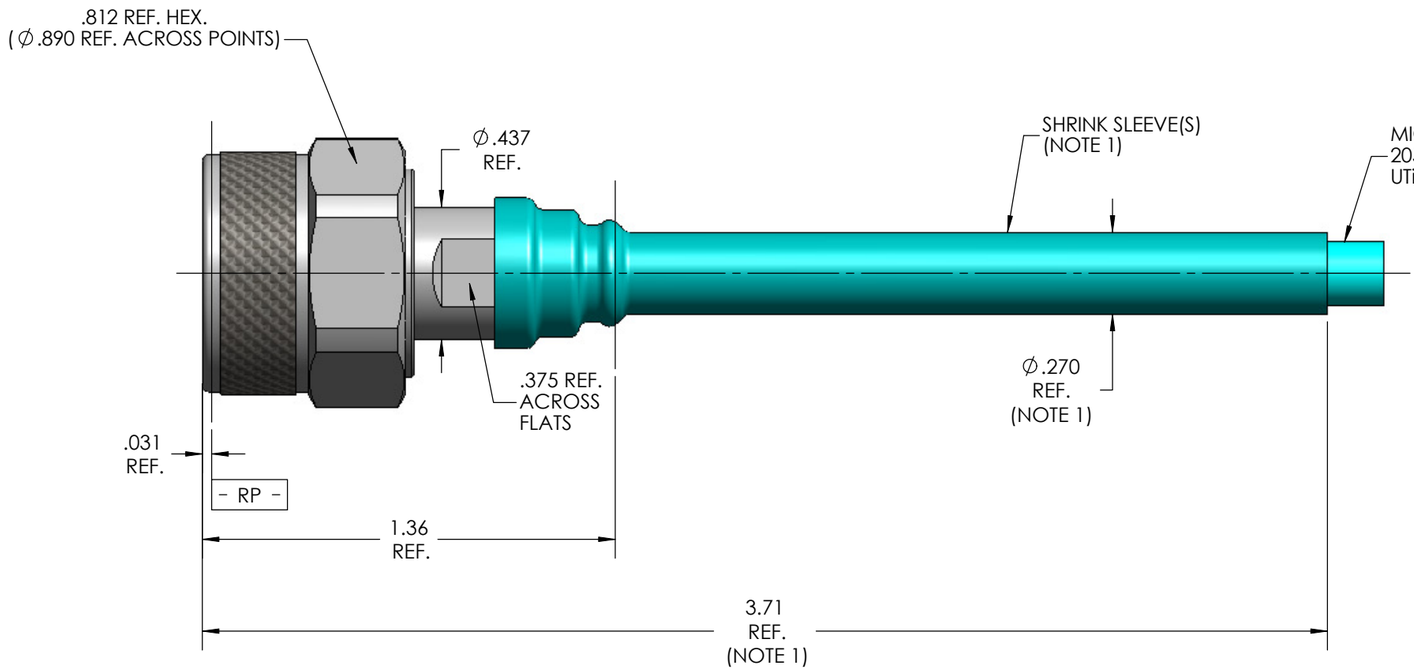
CABLE(S)	205A SERIES
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	50U
CONNECTOR CODE SHEET 2	5GU

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	10/25/04	SRS	LXT
B	ECO 135393	7/31/2013	MJM	RS



ISOMETRIC VIEW
SCALE 1:1



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. SEE SHEET 2 FOR 90° ELBOW CONFIGURATION.

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	JMK	5/10/04
CHKD.	CCF	8/2/13
APPVD.		

MICRO-COAX
PROVEN RELIABLE

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

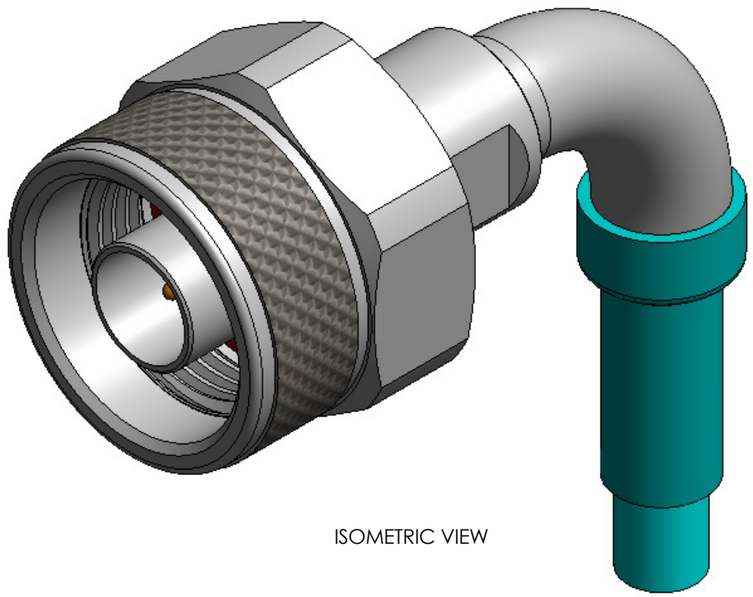
TITLE: N PLUG, PRECISION, 205A

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.

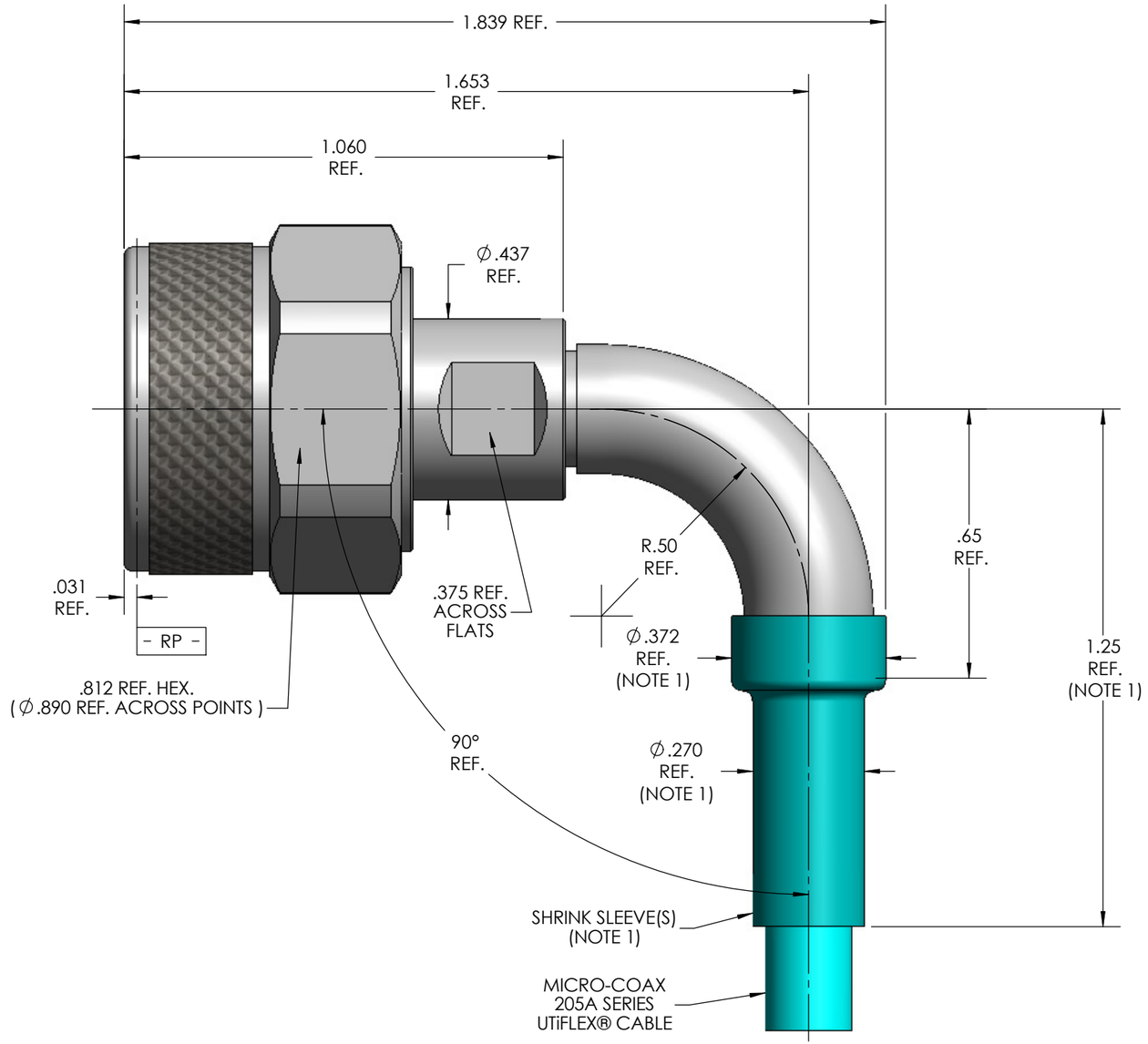
FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
64639	B	2:1	1 OF 2	SD904060	B

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

DESCRIPTION
SEE SHEET 1 FOR REVISION HISTORY



ISOMETRIC VIEW



NOTE:

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

ALL DIMENSIONS AND TOLERANCES IN INCHES UNLESS OTHERWISE SPECIFIED.		INITIALS	DATE
		DWN. JMK	5/10/04
		CHKD. CCF	8/2/13
.XX	± .02	APPVD.	
.XXX	± .005		
.XXXX	± .0010		
ANGLES	± 2°		

MICRO-COAX PROVEN RELIABLE

TITLE: N PLUG, PRECISION, 90° ELBOW, 205A

FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.
64639	B	3:1	2 OF 2	SD904060	B