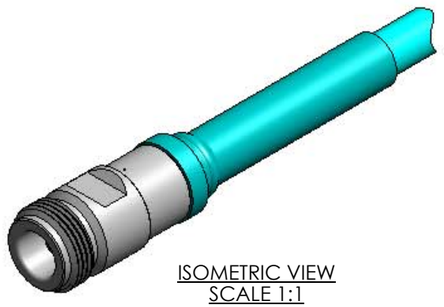
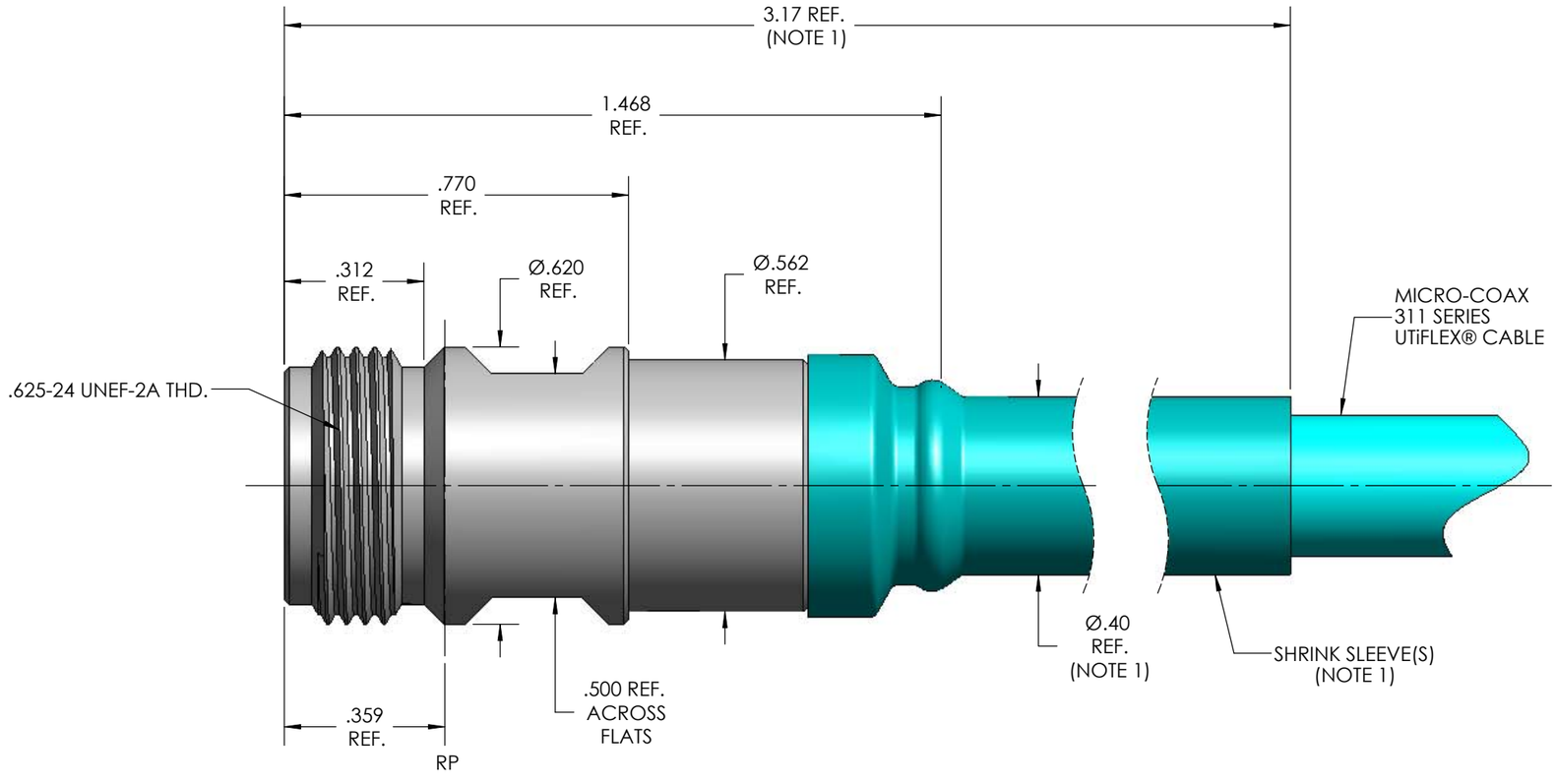
MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 304-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	IEEE P287/D3 REF.
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
FORCE TO ENGAGE	6 IN-LBS. MAX.
FORCE TO DISENGAGE	6 IN-LBS. MIN.
CONTACT CAPTIVATION (BOTH DIRECTIONS)	6 LBS. MIN.
DURABILITY	500 CYCLES MIN.
CENTER CONTACT INSERTION FORCE (INTERFACE)	2 LBS. MAX.
CENTER CONTACT WITHDRAW FORCE (INTERFACE)	2 OZ. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	31.70 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1MAX.
INSERTION LOSS	0.045 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1775 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	1175 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	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
BODY, CLAMP NUT & SLEEVE	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205
APPLICATION	
CABLE(S)	311 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	05/16/05	SRS	SRS
B	ECO 105994	11/1/2010	MJM	MJR



ISOMETRIC VIEW
SCALE 1:1



NOTE:

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

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	SRS	04/12/05
CHKD.	CCF	11/15/10
APPVD.		

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

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

TITLE: N JACK, PRECISION, 311 SERIES, VENTED

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	SD904319	B