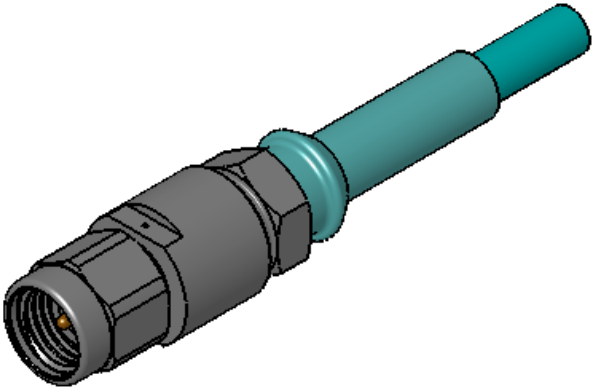
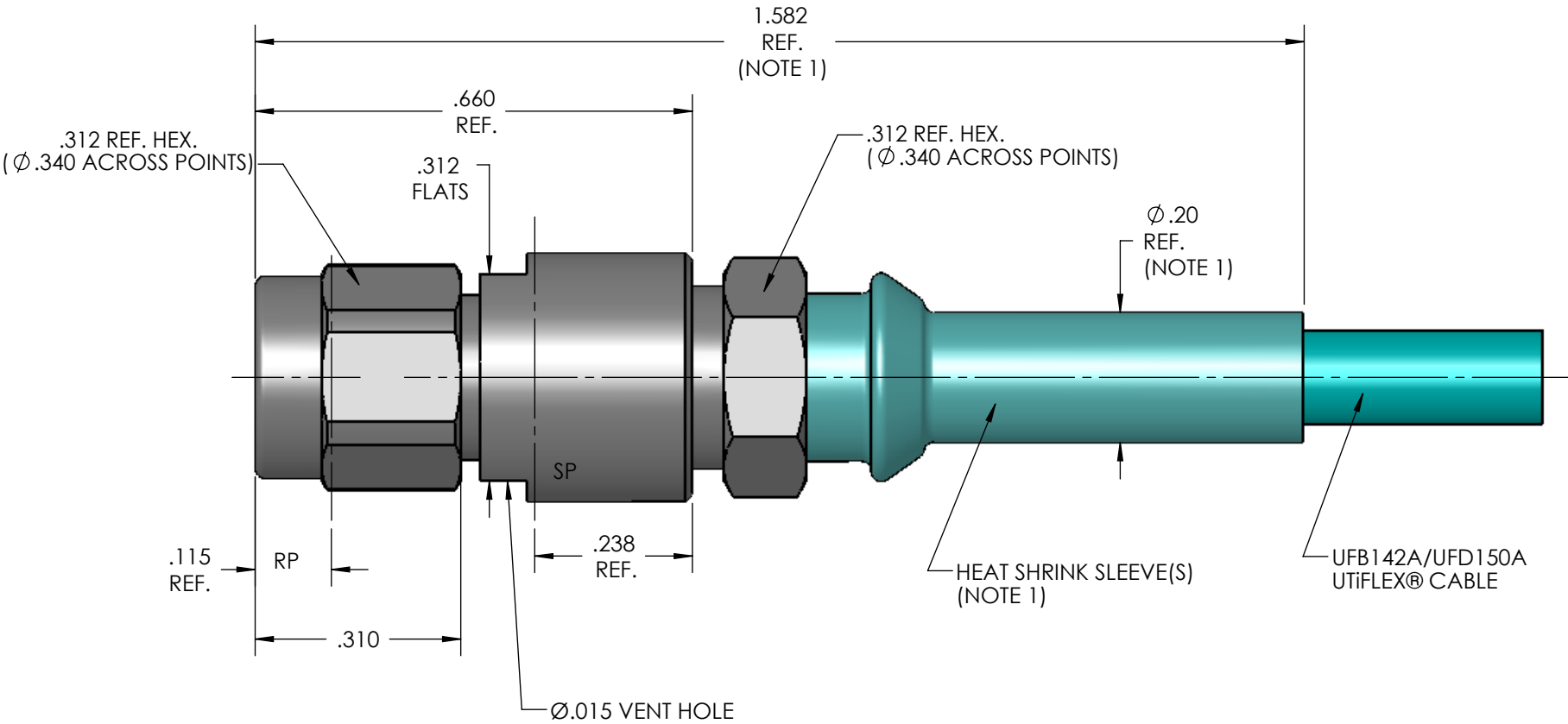


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 323.1
SLANT SHEET	IEEE P287/D3 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	15 LBS. MIN.
MASS	7.72 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 40GHz	1.20:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1200 VRMS MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA (70,000 FT)	300 VRMS MIN.
RF HIGH POTENTIAL	800 VRMS MAX.
CONTACT RESISTANCE (INNER)	4.0 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	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
BODY, COUPLING NUT, SLEEVE, & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	POLYETHERMIDE THERMOPLASTIC, (ULTEM 1000), PER ASTM-D-5205
CONTACT RING	BRASS PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, NICKEL PLATE PER QQ-N-290
APPLICATION	
CABLE(S)	UFB142A / UFD150A SERIES CABLE
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



ISOMETRIC VIEW
SCALE 2:1



SPECIFICATION DRAWING

NOTE:

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

L.

REV.	DESCRIPTION	DATE	BY	APPVD
A	ECO 65505	11/2/2006	JMK	AMD
A1	ECO 85534	8/25/2008	EJE	NDS

1.582
REF.
(NOTE 1)

.312 REF. HEX.
(Ø .340 ACROSS POINTS)

Ø .20
REF.
(NOTE 1)

HEAT SHRINK SLEEVE(S)
(NOTE 1)

UFB142A/UFD150A
UTIFLEX® CABLE

SPECIFICATION DRAWING

THIS SPECIFICATION IS THE PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MICRO-COAX, INC.	INITIALS	DATE	MICRO-COAX [®] Leading the way in transmission line solutions. Copyright Micro-Coax, Inc.												
	DWN. JMK	2/21/06													
	CHKD. NDS	08/25/08													
APPVD. RS		08/25/08													
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE													
		2.92 mm PLUG, VENT HOLE, UFB142A/UFD150A CABLE													
.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 4:1	SHEET NO. 1 OF 1	DRAWING NO. SD904509	REV A1							
.XXX ± .005															
.XXXX ± .0010															
ANGLES ± 2°															