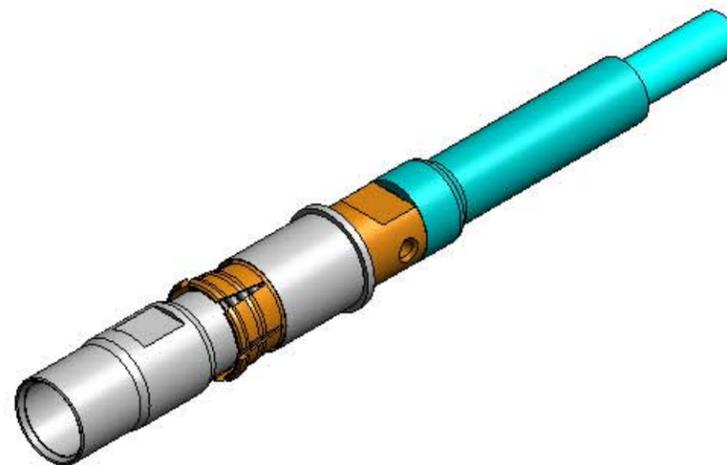


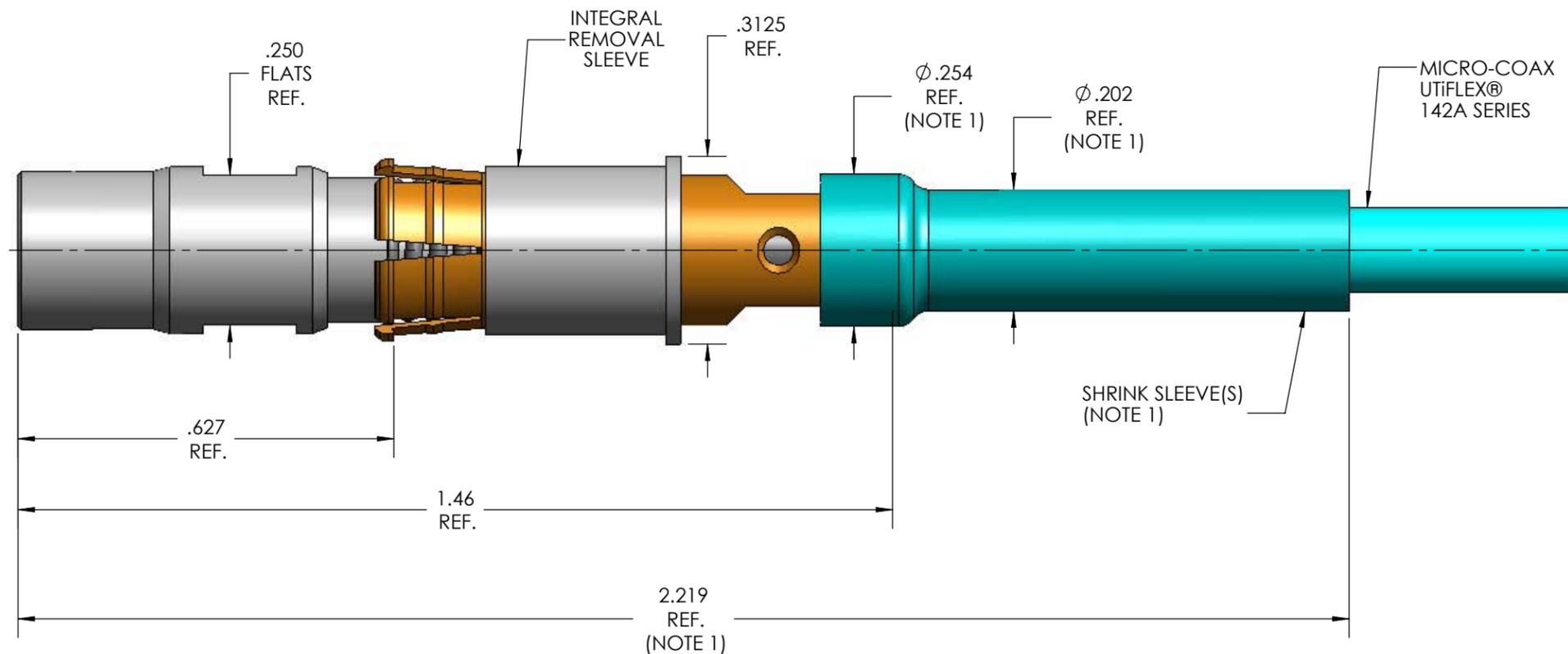
MECHANICAL CHARACTERISTICS	
INTERFACE	PER MICRO-COAX DRAWING A-16115
SLANT SHEET	N/A
FORCE TO ENGAGE	2.0 LBS. MAX.
INTERFACE DURABILITY	500 CYCLES MIN.
SHELL DURABILITY	100 CYCLES MIN.
FLOAT MOUNT TRAVEL	.050 IN. MIN.
MINIMUM SPRING FORCE	2.3 LBS.
MAX SPRING FORCE	5.8 LBS.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	15 LBS MIN.
MASS	6.25 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 14 GHz	1.16:1 MAX.
14 - 18 GHz	1.2:1 MAX.
INSERTION LOSS	0.06 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	950 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz	-80 dB MIN.
3 - 18 GHz	-65 dB MIN.
CORONA	250 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	625 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°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 F
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
MATERIALS AND FINISH	
MAIN BODY, FRONT BODY, REAR SLEEVE, & BUSHING	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SPRING	STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5682, PASSIVATED PER ASTM-A-967
SPRING FINGER BODY, CONTACT, & REAR BODY	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD	POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205
GASKET	FLURORSILICONE RUBBER PER MIL-R-25988
INSULATOR	TFEFLUORCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	142A SERIES CABLE
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE - RDCR 97000	7/21/2009	MJM	MJR
A1	ECO 95649	9/15/2009	MJM	RS
B	ECO 105921	1/6/2011	MJM	RS
B1	ECO 115151	3/14/2011	MJM	RS



ISOMETRIC VIEW
SCALE 2:1



NOTE:

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

SPECIFICATION DRAWING

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	DWN. MJM	10/24/08						
	CHKD. CCF	1/11/11						
	APPVD.							
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE		# 8 SOCKET, MODULE-PORT 142A					
.XX ± .02	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
.XXX ± .005			64639	B	4:1	1 OF 1	SD904943	B1
.XXXX ± .0010								
ANGLES ± 2°								