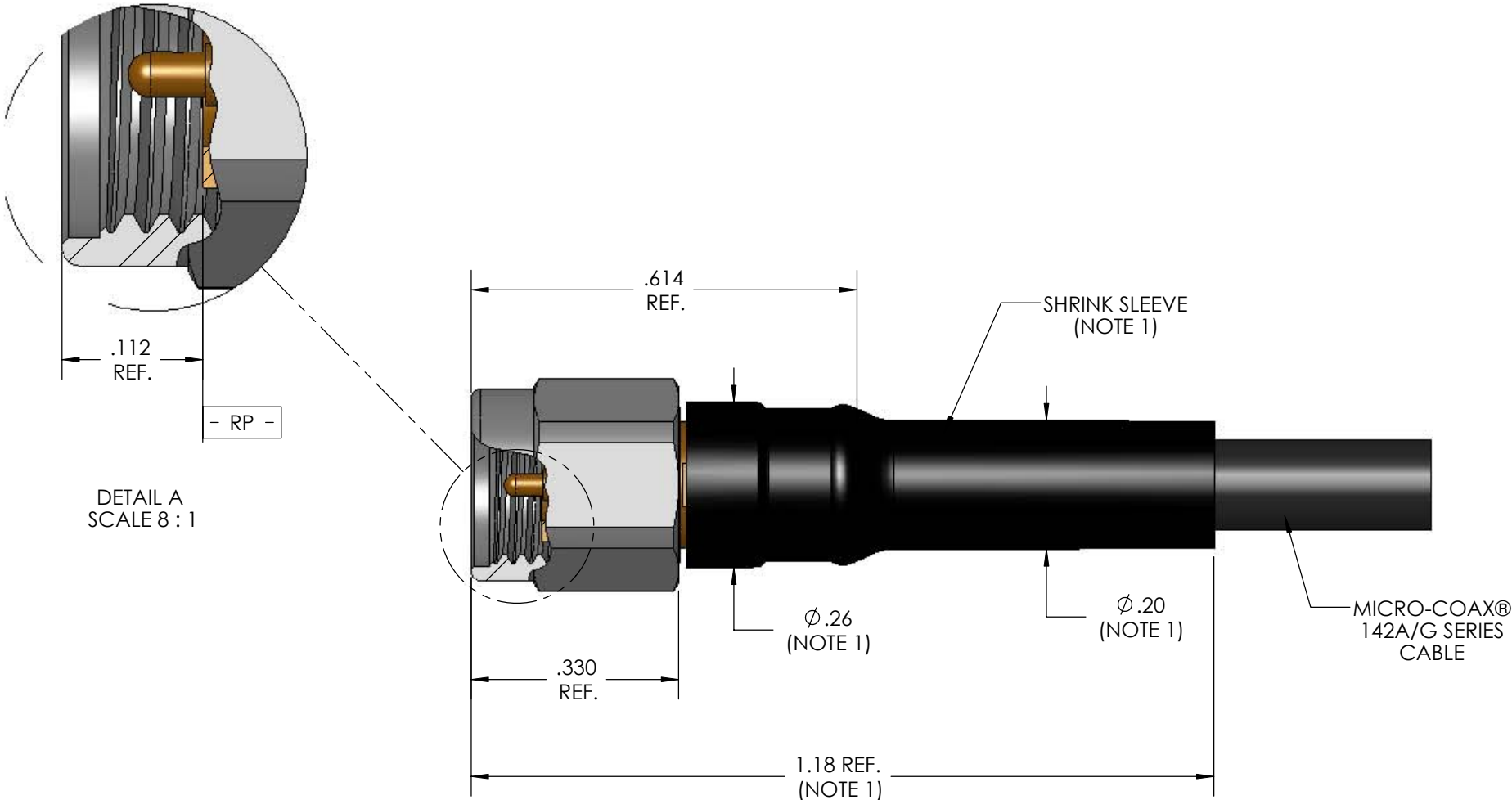


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIG. 323.1
SLANT SHEET	IEEE-STD-287 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MAX.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
DURABILITY	500 CYCLES MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	2.62 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 26.5 GHz	1.16:1
26.5 GHz - 40 GHz	1.21:1
INSERTION LOSS	0.03 $\sqrt{f}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	800 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 34 GHz	-80 dB
34 GHz - 40 GHz	-70 dB
CORONA	210 Vrms MIN. @70,000 FEET
RF HIGH POTENTIAL	525 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 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) N/A
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
BODY, CONTACT, BUSHING	BERYLLIUM COPPER PER ASTM-B-196. GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
COUPLING NUT	STEEL, CORROSION RESISTANT PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
DIELECTRIC BEAD	POLYETHERMIDE THERMOPLASTIC (ULTEM 1000) PER ASTM-D-5205
SNAP RING	BERYLLIUM COPPER PERM PER ASTM-B-197.
GASKET	SILICONE RUBBER PER ZZ-R-765.
APPLICATION	
CABLE(S)	142A/G
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	ECO 85387	6/27/2008	NDS	RS	MJR



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.	PLM	05/20/08							
		CHKD.	MJR	05/21/08							
		APPVD.	RS	05/21/08							
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		2.92mm PLUG, 142A/G SERIES							
.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	SD904874	A		
.XXXX	± .0010										
ANGLES	± 2°										