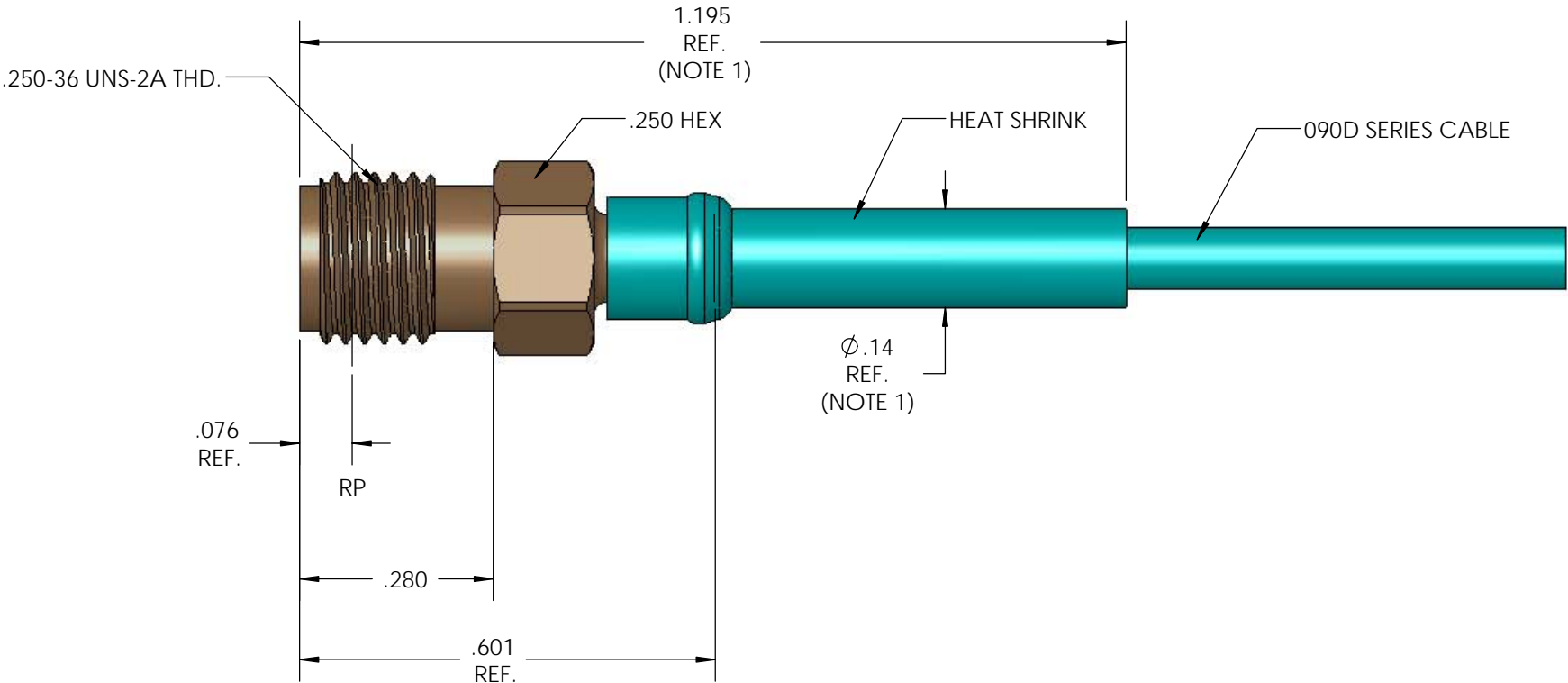


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348
RECOMMENDED MATING TORQUE	9.0 IN-LBS. NOM.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MAX
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MAX
CENTER CONTACT INSERTION FORCE (INTERFACE)	2.0 LBS. MAX
CENTER CONTACT WITHDRAWL FORCE (INTERFACE)	1.0 oz. MIN.
DURABILITY	500 CYCLES MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	1.87 GRAMS
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 \sqrt{F} (GHz) db MAX.
DIELECTRIC WITHSTANDING VOLTAGE	750 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	190 Vrms. MIN. @ 70,000 FEET
RF HIGH POTENTIAL	500 Vrms. MIN.
CONTACT RESISTANCE (INNER)	2.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°C TO +125°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%
MATERIAL AND FINISH	
BODY, CENTER CONTACT	BERYLLIUM COPPER, UNS NO. C17300, PER ASTM-B-196 GOLD PLATE PER MIL-G-45204, 50 MICROINCH MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES THK. MIN.
INSULATOR(S)	PTFE FLOUROCARBON PER ASTM-D-1710.
APPLICATION	
CABLE(S)	090D SERIES CABLE
INSTALLATION	PER CONFIGURATOR



ISOMETRIC VIEW
SCALE 3:1



NOTE:

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

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	4/1/2005	JMK	DBK

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		<div>MICRO-COAX[®] <i>Leading the way in transmission line solutions.</i> Copyright Micro-Coax, Inc.</div>					
		DWN.	JMK	11/29/04							
		CHKD.									
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		SMA JK, 090D SER							
.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	SD904195	A		
.XXXX	± .0010										
ANGLES	± 2°										