	CAL CHARACTERISTICS	THIS DRAWING IS PROPRIETARY AND CON
NTERFACE	MIL-STD-348, FIGURE 310-1	
N ACCORDANCE WITH THE INTENT OF SLANT SHEE	T MIL-PRF-39012/55 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 IN-LBS. MAX.	
FORCE TO DISENGAGE	2 IN-LBS. MIN.	
DURABILITY	500 CYCLES MIN.	
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.	
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.	
CABLE RETENTION	10 LBS. MIN.	ISOMETRIC VIEW
MASS	2.55 GRAMS NOM.	SCALE 2:1
FIFCTRICA	AL CHARACTERISTICS	
MPEDANCE	50 Ohms NOM.	
MAXIMUM FREQUENCY	24 GHz	
/SWR DC - 20 GHz	1.15:1 MAX.	_
20 - 24 GHz	1.20:1 MAX.	
NSERTION LOSS	0.03 √F (GHz) dB MAX.	
DIELECTRIC WITHSTANDING VOLTAGE	650 Vrms MIN.	54
NSULATION RESISTANCE	5000 MegaOhms MIN.	.312 REF. HEX56 REF.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.	(Ø.340 REF.
18 - 24 GHz	-65 dB	ACROSS POINTS)
CORONA	170 Vrms MIN. @ 70,000 FEET	
RF HIGH POTENTIAL	425 Vrms MIN.	
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.	
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.	
ENVIRONMEI	NTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-100°C TO 150°C	
/IBRATION	MIL-STD-202, METHOD 204, CONDITION D	
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I	
	MIL-STD-202, METHOD 107, CONDITION B	
HERMAL SHOCK		
THERMAL SHOCK	MIL-STD-202, METHOD 101, CONDITION B, 5%	
THERMAL SHOCK CORROSION		115
HERMAL SHOCK CORROSION MATER	MIL-STD-202, METHOD 101, CONDITION B, 5%	115
THERMAL SHOCK CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH	
THERMAL SHOCK CORROSION MATER COUPLING NUT	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. 330300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER	REF RP -
THERMAL SHOCK CORROSION MATER COUPLING NUT BODY, CONTACT	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290	REF
THERMAL SHOCK CORROSION MATER COUPLING NUT BODY, CONTACT SNAP RING	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. \$30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197	REF RP -
THERMAL SHOCK CORROSION MATER COUPLING NUT BODY, CONTACT SNAP RING NSULATOR DIELECTRIC BEAD, DIELECTRIC STOP	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205	REF
MATER COUPLING NUT BODY, CONTACT SNAP RING NSULATOR DIELECTRIC BEAD, DIELECTRIC STOP	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. 330300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710	REF. - RP - .33 REF.
THERMAL SHOCK CORROSION MATER COUPLING NUT BODY, CONTACT SNAP RING NSULATOR DIELECTRIC BEAD, DIELECTRIC STOP	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205	REF. - RP - .33 REF. NOTE: 1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY A
MATER COUPLING NUT BODY, CONTACT SNAP RING NSULATOR DIELECTRIC BEAD, DIELECTRIC STOP	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205	REF. - RP - .33 REF.
MATER COUPLING NUT BODY, CONTACT SNAP RING NSULATOR DIELECTRIC BEAD, DIELECTRIC STOP A CABLE(S) NSTALLATION	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205 PPLICATION 088/092 SERIES CABLE	NOTE: 1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY A IS SUBJECT TO CHANGE WITHOUT NOTICE. 2. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO
IHERMAL SHOCK CORROSION MATER COUPLING NUT BODY, CONTACT SNAP RING NSULATOR DIELECTRIC BEAD, DIELECTRIC STOP A CABLE(S)	MIL-STD-202, METHOD 101, CONDITION B, 5% RIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. \$30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205 PPLICATION 088/092 SERIES CABLE PER CONFIGURATOR	REF. - RP - .33 REF. NOTE: 1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY A IS SUBJECT TO CHANGE WITHOUT NOTICE.

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



REV.	DESCRIPTION	DATE	BY	APPVD	
Α	INITIAL RELEASE - ECO 115330	6/2/2011	MJM	RS	
В	ECO 125640	12/5/2012	MLM	RS	
C.	ECO 135591	12/16/2013	MJM	RS	

SPECIFICATION DRAWING

MICRO-COAX

Leading the way in transmission line solutions.

Copyright Micro-Coax, Inc.

B 6:1 1 OF 2 SD903628

DRAWING NO.

SMA PLUG, HIGH FREQUENCY, 088/092D, SPACE GRADE

SIZE SCALE SHEET NO.

INITIALS

JMK

CCF

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.

DWN.

CHKD.

APPVD.

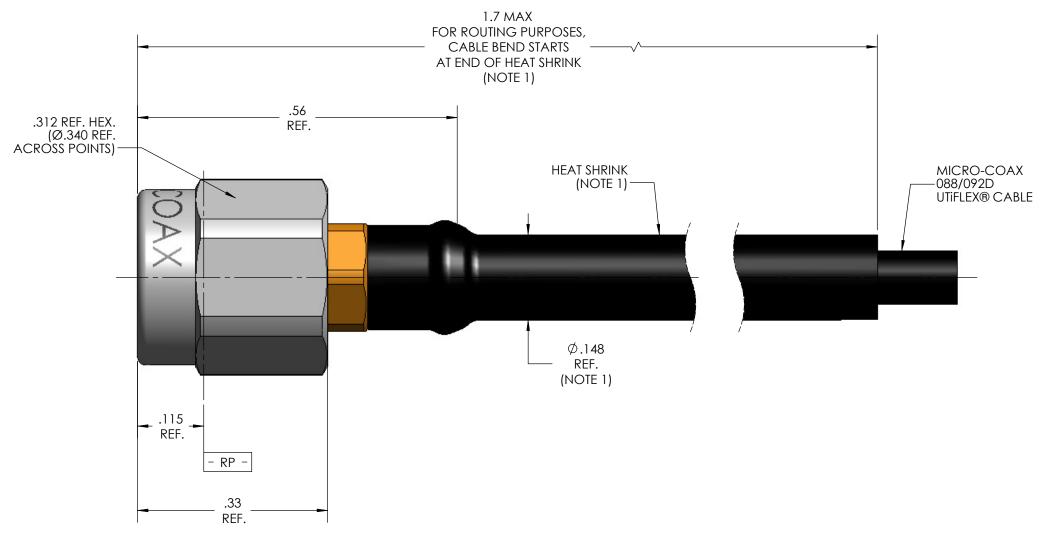
DATE

05/13/05

12/17/13

FSCM NO.

64639



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.

TOLERANCES UNLESS OTHEWISE SPECIFIED

± .02

± 2°

± .005

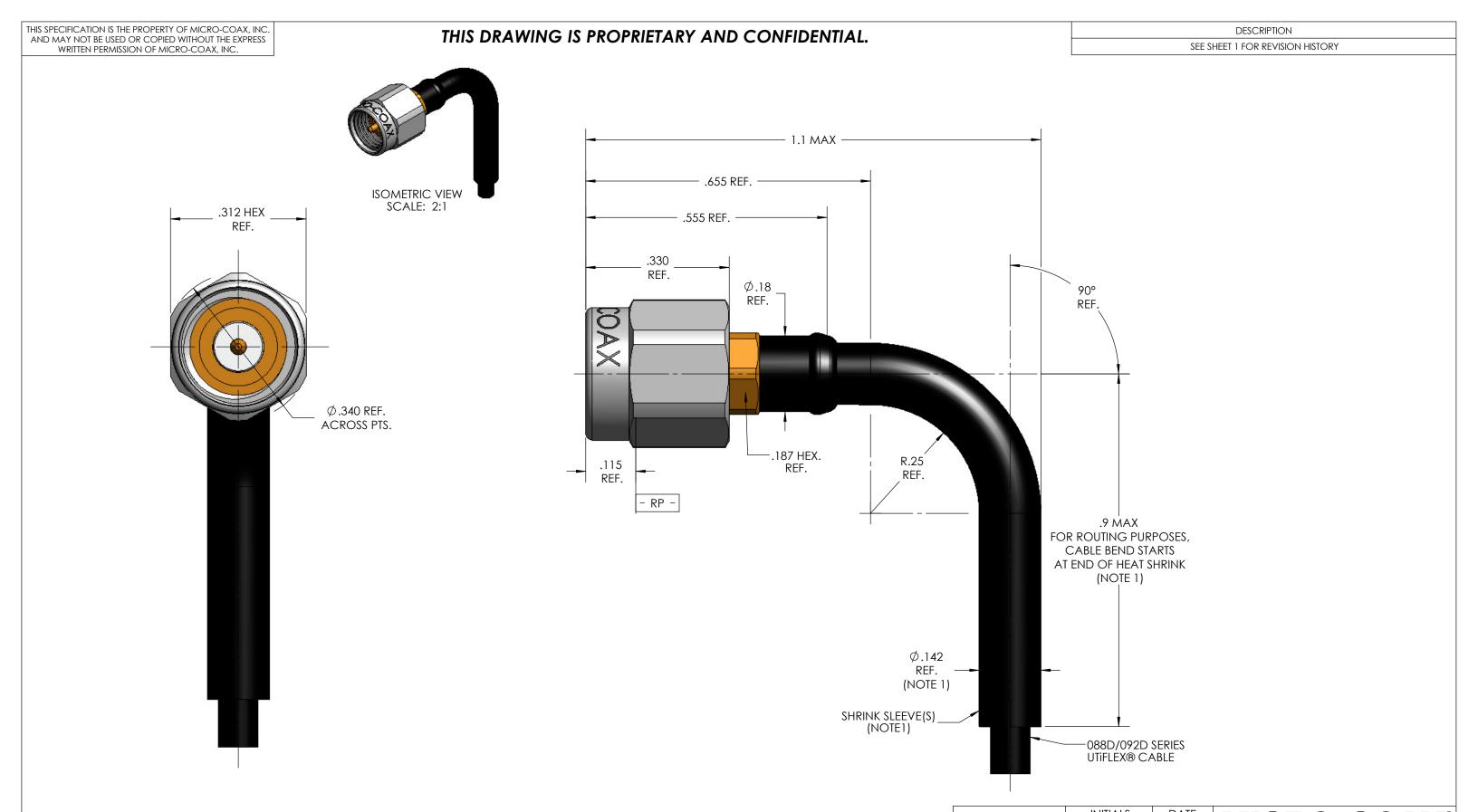
± .0010

.XX

.XXX

.XXXX

ANGLES



NOTE:

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

ALL DIMENSIONS AND TOLERANCES IN INCHES		INII	IALS	DAI					R	
		DWN.	JMK	05/13/	05	MICRO-COAX®				
UNLESS OTHER	RWISE SPECIFIED.	CHKD.	CCF	12/17/	′13 Lead	Leading the way in transmission line solutions.				
.XX	± .02	APPVD.	Copyright Micro-Coax, Inc.							
.XXX	± .005	TITLE	TITLE SMA PLUG, 088D/092D SERIES CABLE,							
.XXXX	± .0010	TITLE								
ANGLES	± 2°	HEAT SHRINK FORMED ELBOW, SPACE GRADE								
			F.	SCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.	
				64639	В	5:1	2 OF 2	SD903628	C	