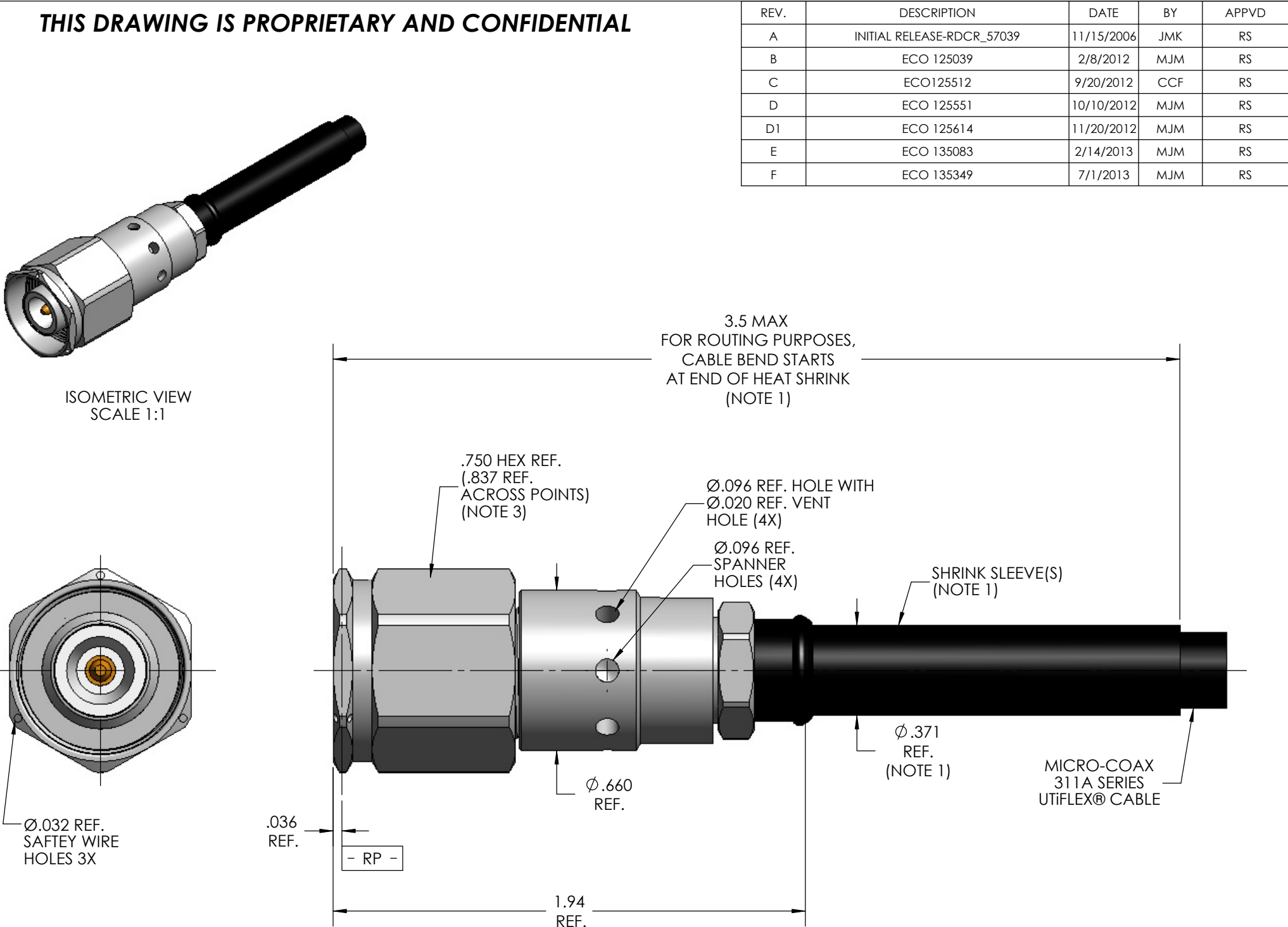


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 309-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/35 REF.
RECOMMENDED MATING TORQUE	10-15 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	3 IN-LBS. MAX.
FORCE TO DISENGAGE	3 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	15 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	15 LBS. MIN.
CABLE RETENTION	50 LBS. MIN.
MASS	47.87 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	10 GHz
VSWR DC - 10 GHz	1.16:1MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	4000 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 10 GHz	-90 dB MIN.
CORONA	1000 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	3000 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.
MAXIMUM POWER RATING	TBD
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-100 °C TO 165 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
CONTACT & CONTACT RING	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEAD	POLYETHERETHERKETONE , PER MIL-P-46183, TYPE1
BODIES, COUPLING NUT & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
INSULATORS	TFE FLUOROCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	311A SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	D03
CONNECTOR CODE SHEET 2	DQ3



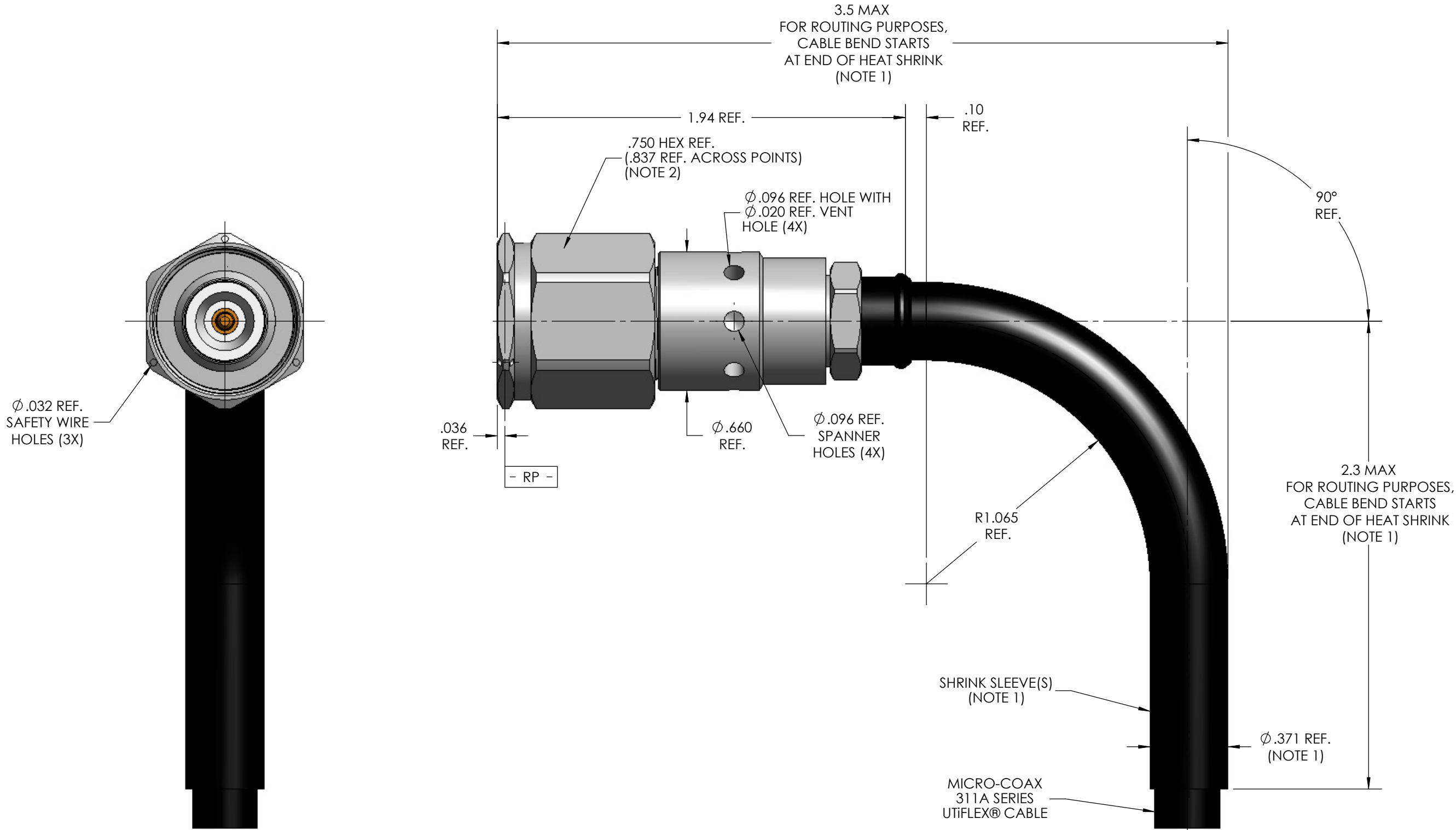
NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. SEE SHEET 2 FOR HEAT SHRINK FORMED ELBOW CONFIGURATIONS.
3. CONNECTOR DOES NOT MEET MIL-STD-348, FIG 309.1, Ø.828 MAX.
4. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 904505-EM (EQUIPMENT MODEL).

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	DWN.	JMK	2/8/06										
	CHKD.	CCF	7/2/13										
	APPVD.												
TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE SC PLUG, VENT HOLES, WIRE HOLES, 311A CABLE, SPACE GRADE										
.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	2:1	1 OF 2	SD904505	F		
.XXXX	± .0010												
ANGLES	± 2°												

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

DESCRIPTION
SEE SHEET 1 FOR REVISION HISTORY



- NOTE:
1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
 2. CONNECTOR DOES NOT MEET MIL-STD-348, FIG 309.1, Ø.828 MAX.

SPECIFICATION DRAWING

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		DWN.	JMK	2/8/06																	
		CHKD.	CCF	7/2/13																	
		APPVD.																			
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE										SC PLUG, VENT HOLES, WIRE HOLES, HEAT SHRINK FORMED ELBOW, 311A CABLE, SPACE GRADE									
.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	2:1	2 OF 2	SD904505	F										
.XXXX	± .0010																				
ANGLES	± 2°																				