

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/59 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	2 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	CABLE DEPENDENT
MASS	3.42 GRAMS NOM.
MASS WITHOUT NUT & LOCKWASHER	2.88 GRAMS NOM.
RECOMMENDED LOCKNUT TORQUE	12 - 15 IN. LBS.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	24 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 GHz - 24 GHz	1.22:1 MAX.
INSERTION LOSS	0.04 \sqrt{F} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1700 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
18 GHz - 24 GHz	-80 dB MIN.
CORONA	400 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1150 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

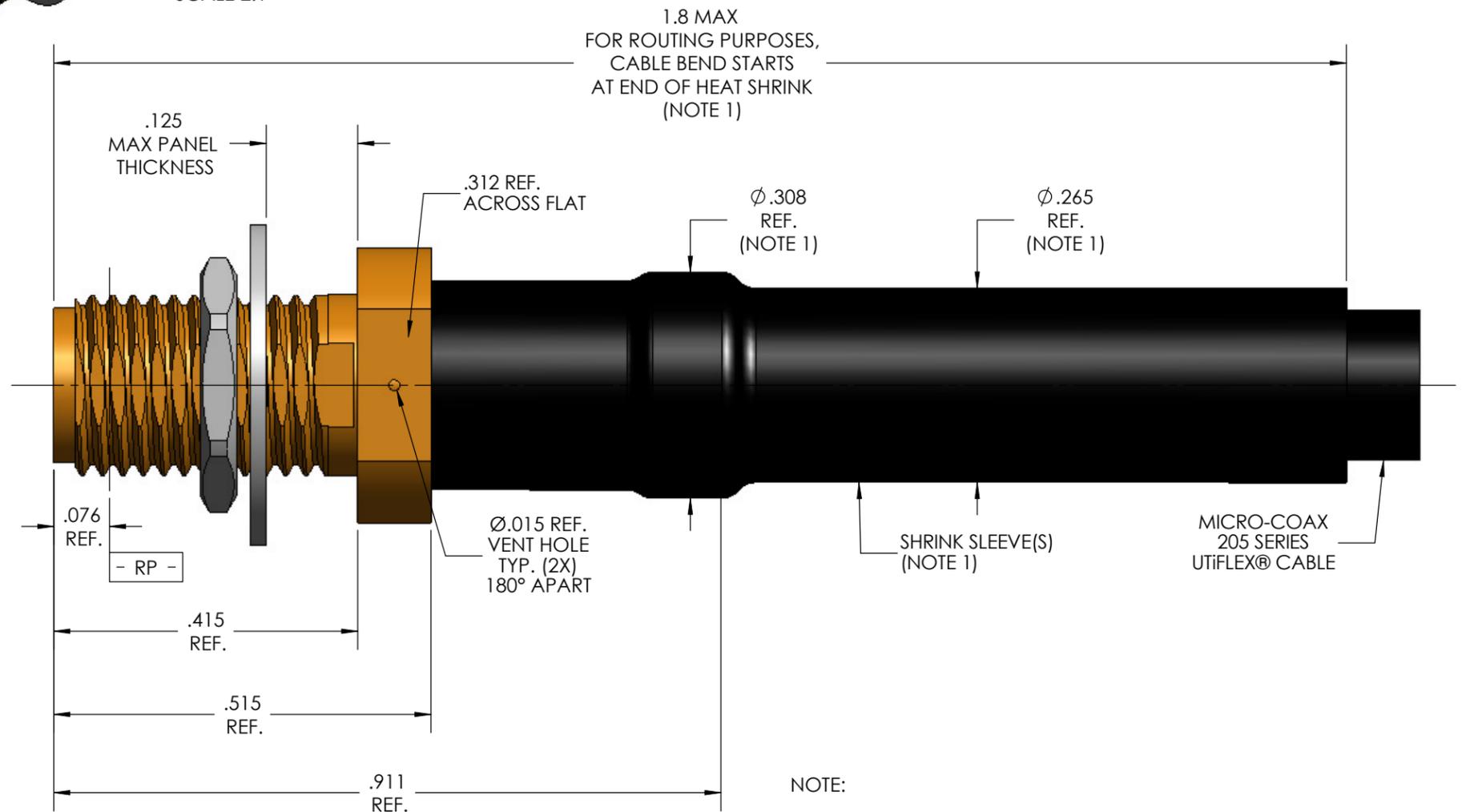
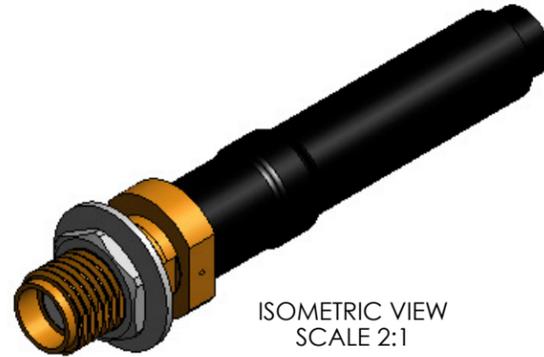
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-100 °C TO 150 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH	
CONTACT & BODY	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
LOCKNUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC BEADS	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
FLAT WASHER	STEEL, CORROSION RESISTANT, PER ASTM-A-240, UNS NO. S30400, PASSIVATE PER ASTM-A-967

APPLICATION	
CABLE(S)	205 SERIES
INSTALLATION	PER CONFIGURATOR

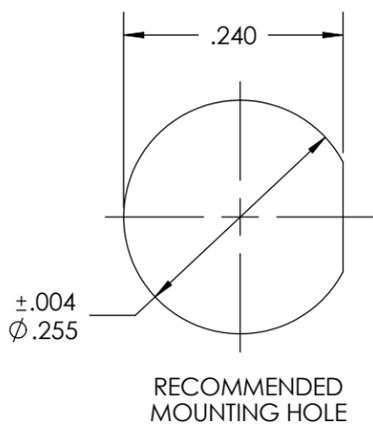
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REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	2/4/2005	JMK	RS
B	ECO 115360	6/20/2011	MJM	RS
C	ECO 125640	12/6/2012	MJM	RS



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 904129-EM (EQUIPMENT MODEL).



SPECIFICATION DRAWING

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	DWN. JMK	9/2/04					
	CHKD. CCF	6/21/11					
	APPVD.						
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE SMA BULKHEAD JACK, VENTED, 205 SERIES CABLE, SPACE GRADE						
.XX ±.02	<small>ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.</small>						
.XXX ±.005							
.XXXX ±.0010							
ANGLES ± 2°							
FSCM NO. 64639	SIZE B	SCALE 5:1	SHEET NO. 1 OF 1	DRAWING NO. SD904129	REV. C		