

MECHANICAL CHARACTERISTICS	
INTERFACE	IEC 169-23
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	IEEE P287/D3 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
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. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	1.5 LBS. MIN.
MASS	8.59 GRAMS NOM.

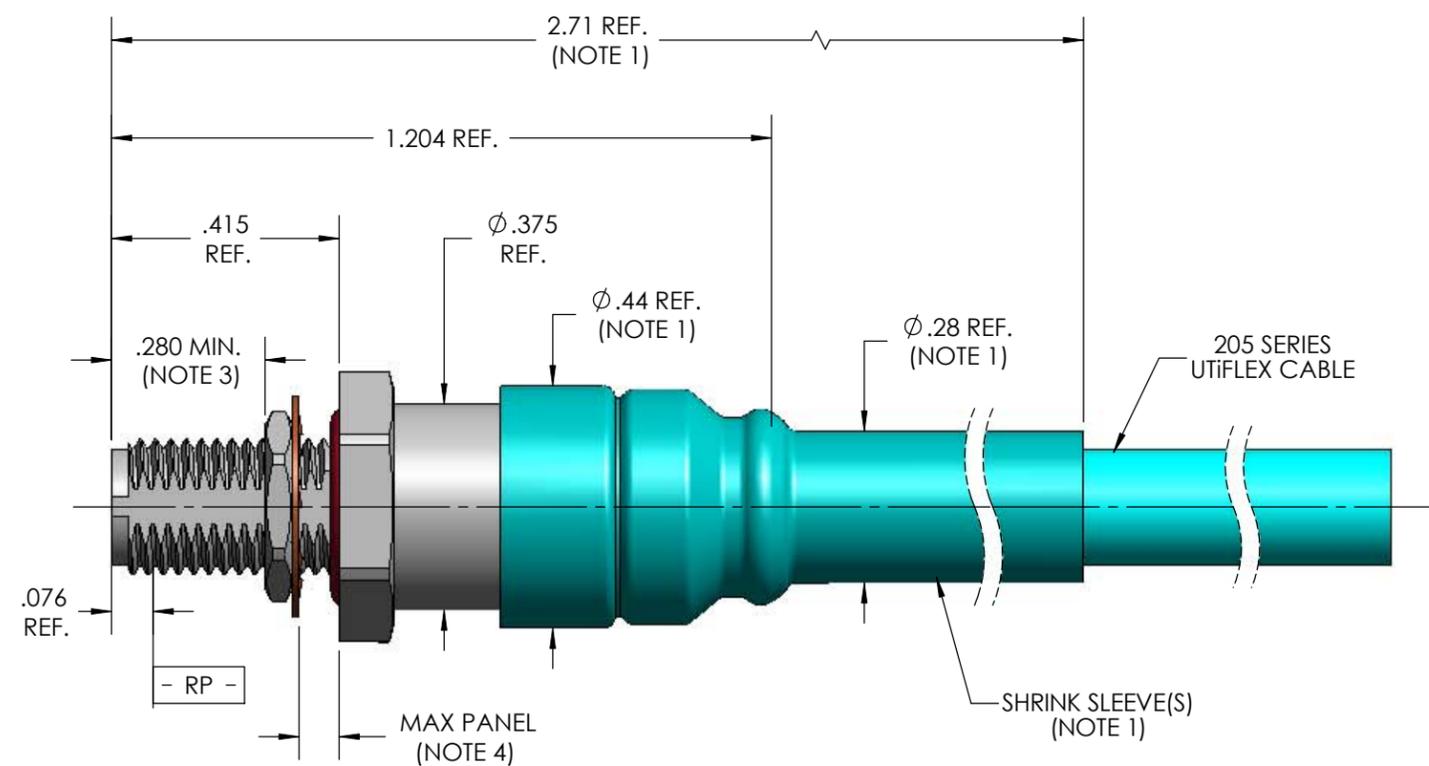
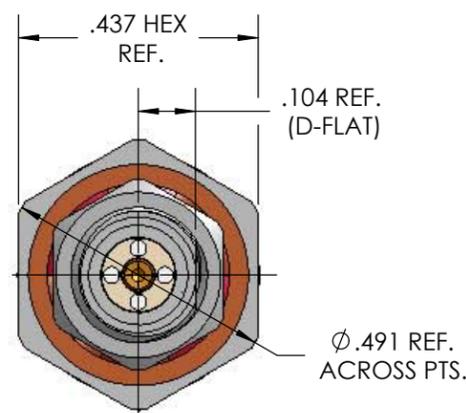
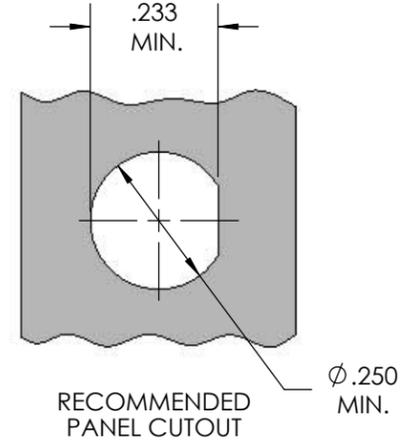
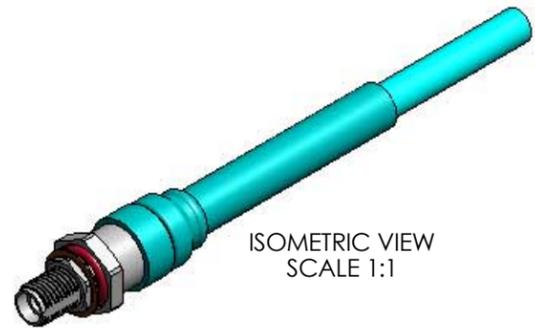
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	26.5 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 GHz - 26.5 GHz	1.20:1 MAX.
INSERTION LOSS	0.03 \sqrt{F} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1100 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	280 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	725 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°C TO 150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D 20 Gs
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I 10 Gs
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%

MATERIALS AND FINISH	
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
BODY, SLEEVE, NUT, & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
GASKET	SILICONE RUBBER PER ZZ-R-765
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
LOCKWASHER	TIN BRASS (UNS C42500) PER ASTM-B-591 OR PHOSPHOR BRONZE (C5191R-H) PER JIS H3110, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290

APPLICATION	
CABLE(S)	205 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. THIS CONNECTOR IS 'SAFE-D-LOCK' COMPATIBLE.
3. MINIMUM REQUIREMENT FOR USE WITH 'SAFE-D-LOCK' APPLICATION.
4. MAXIMUM PANEL THICKNESS: .125 IN. WITH STANDARD SMA MALE
.073 IN. WITH 'SAFE-D-LOCK' SMA MALE

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	12/14/2004	JMK	DBK
B	ECO 95755	3/1/2010	MJM	RS
C	ECO 105900	10/4/2010	CCF	RS
D	ECO 135438	09/16/2013	PLM	RS

SPECIFICATION DRAWING

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	DWN.	SRS	07/13/04						
	CHKD.	CCF	09/16/13						
	APPVD.								
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE							
.XX	± .02	3.5MM BULKHEAD JACK, UFB205A CABLE							
.XXX	± .005	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
.XXXX	± .0010	64639	B	3:1	1 OF 1	SD904083	D		
ANGLES	± 2°								