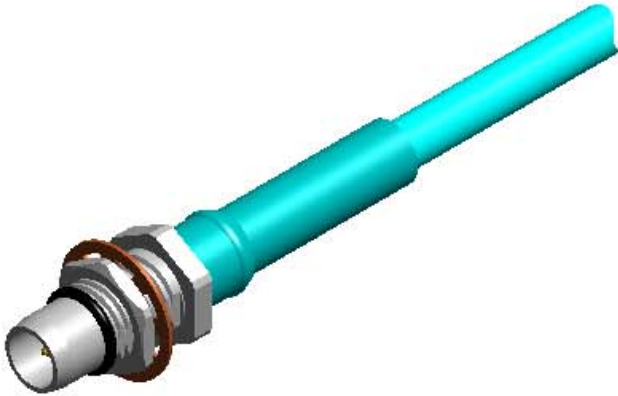
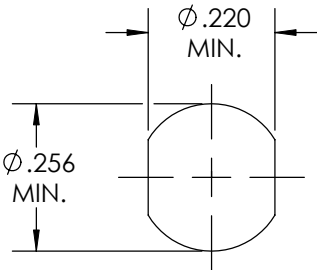


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 321.1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-31031/2 REF.
FORCE TO ENGAGE	3.0 LBS. MAX
FORCE TO DISENGAGE	1.5 LBS. MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MAX.
DURABILITY	1000 CYCLES MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	2.39 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	22 GHz
VSWR DC - 12.4 GHz	1.12:1MAX.
12.4 GHz - 22 GHz	1.18:1MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	975 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	250 Vrms MIN. @70,000 FEET
RF HIGH POTENTIAL	650 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-28 °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%
MATERIALS AND FINISH	
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
BODY & LOCKNUT	STEEL. CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE 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
GASKET	FLUOROCARBON ELASTOMER (VITON) PER AMS-R-83485, 75 DUROMETER
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	142A CABLE
INSTALLATION	PER CONFIGURATOR

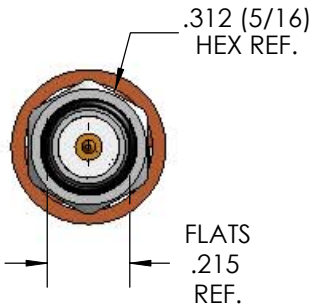
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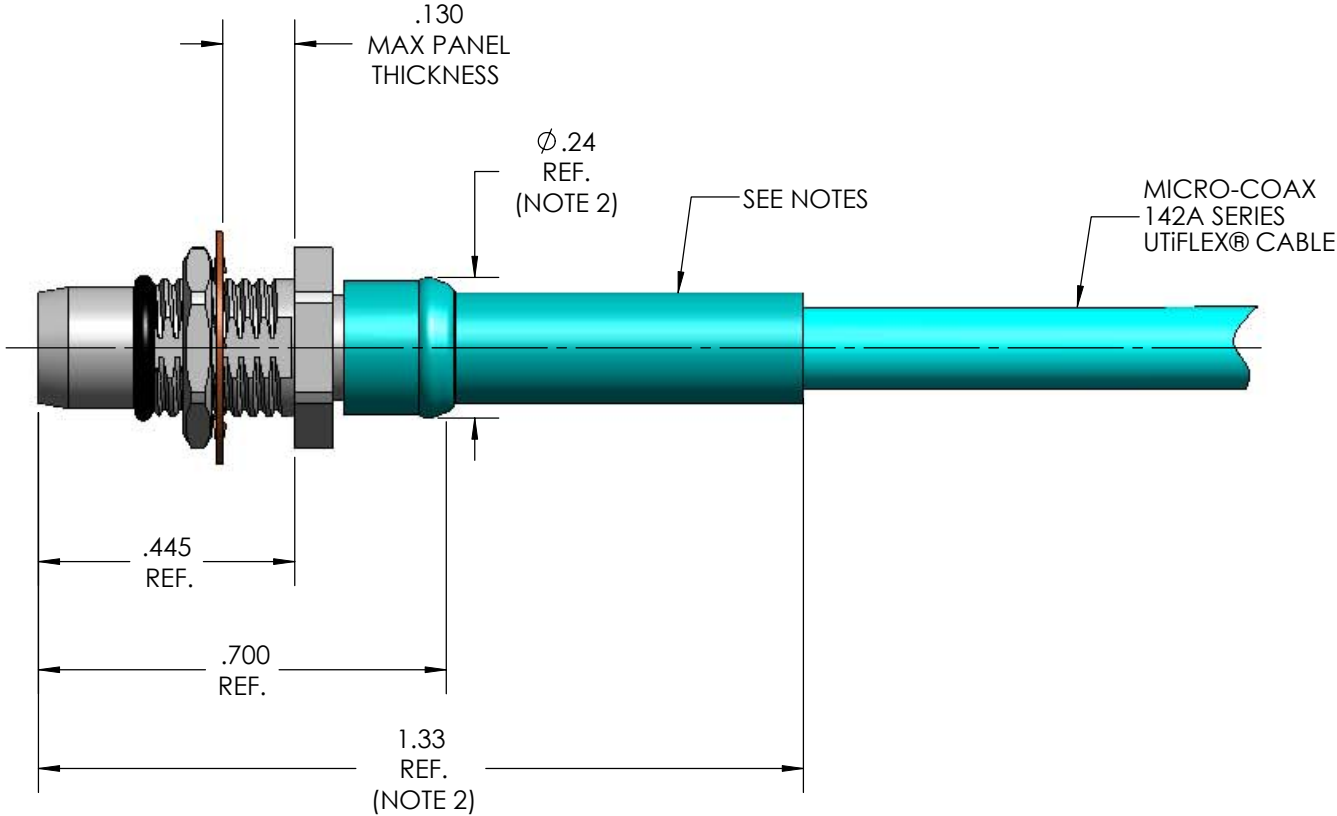
ISOMETRIC VIEW
SCALE 2:1



RECOMMENDED
PANEL CUT OUT



NOTE ORIENTATION OF FLATS
TO HEX FLATS ±3°



NOTE(S):

- HEAT SHRINK/STRAIN RELIEF CONFIGURATION OPTIONAL
- MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATION DRAWING

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		DWN.	DBK	12/16/04							
		CHKD.	MJR	3/3/10							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		BMA BULKHEAD PLUG, 142A CABLE									
.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	3:1	1 OF 1	SD904238	C		
.XXXX	± .0010										
ANGLES	± 2°										