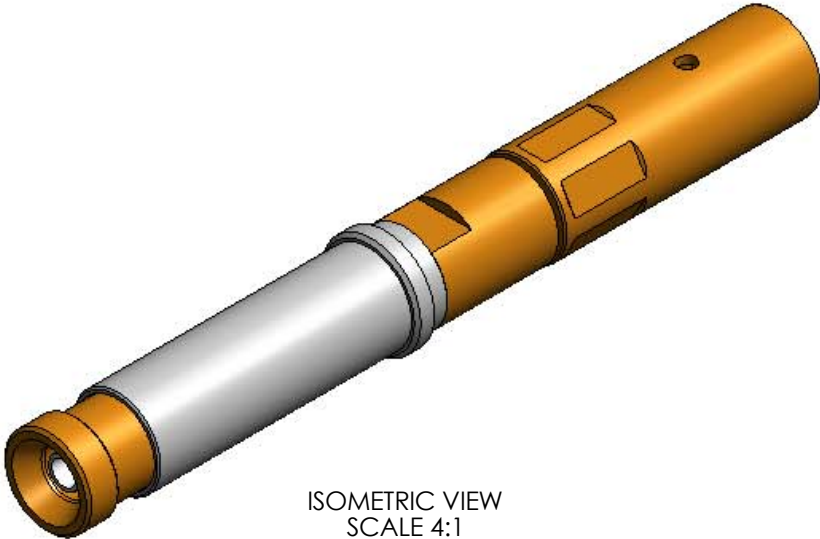
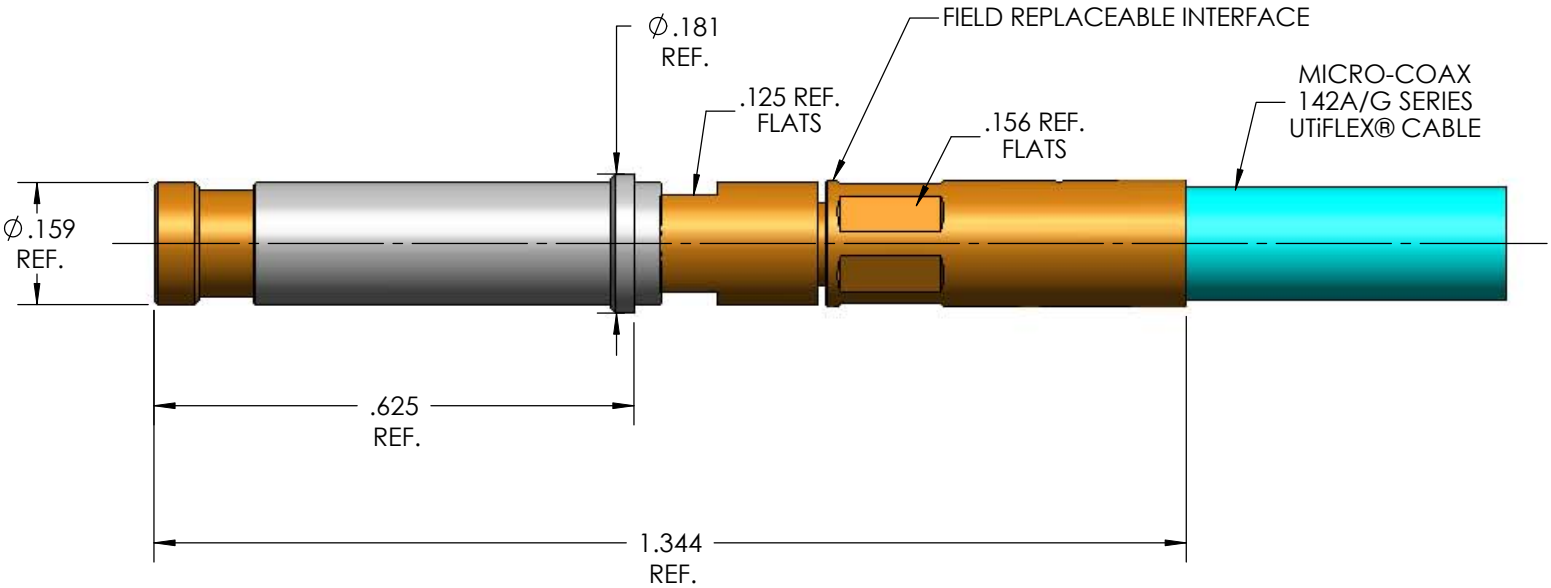


MECHANICAL CHARACTERISTICS	
INTERFACE	PER MICRO-COAX DRAWING A-15833
SLANT SHEET	N/A
FLOAT MOUNT TRAVEL (AXIAL)	0.060 MIN. TRAVEL
FLOAT MOUNT SPRING FORCE MIN.	1.6 LBS.
FLOAT MOUNT SPRING FORCE MAX.	4.2 LBS.
FORCE TO ENGAGE	1.5 LBS. MAX.
INTERFACE DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	15 LBS. MIN.
MASS	MASS = 2.09 GRAMS
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.14:1 MAX.
18 GHz - 24 GHz	1.17:1 MAX.
24 GHz - 40 GHz	1.25:1 MAX.
INSERTION LOSS	0.06 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	140 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	325 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65 °C TO 165 °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 F
MOISTURE RESISTANCE	N/A
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
FLOAT MOUNT HOUSING	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SPRING	STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PER ASTM-A-967
CONTACT, BODY, FRONT BODY, & REAR BODY	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD	POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358
INSULATOR(S)	TFEFLUORCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	142 A/G SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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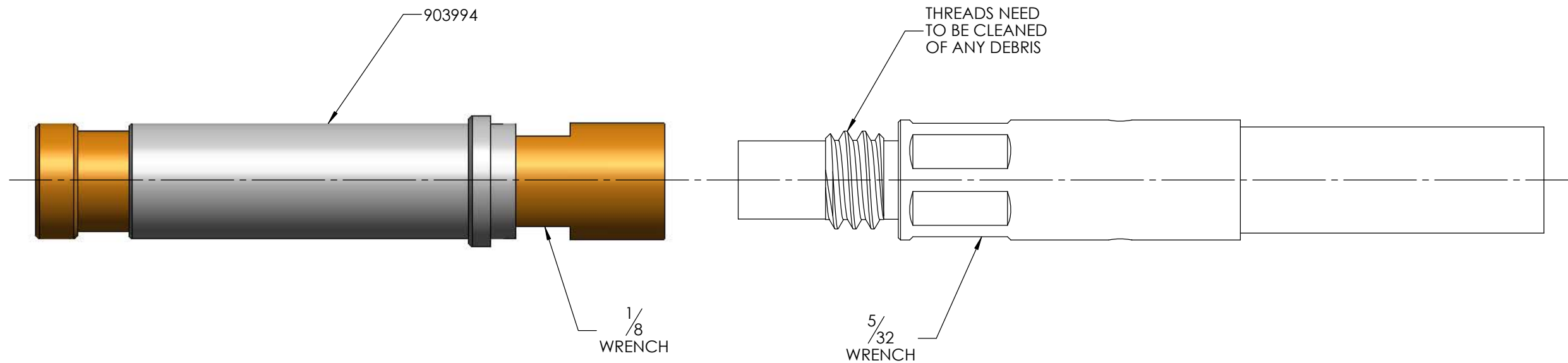
ISOMETRIC VIEW
SCALE 4:1



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		DWN.	JMK	1/30/04							
		CHKD.	MJM	5/22/12							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		38999 #12 SOCKET, FIELD REPLACEABLE HEAD, 142A/G									
.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	4:1	1 OF 2	SD903993	F
.XXXX	± .0010										
ANGLES	± 2°										

DESCRIPTION
SEE SHEET 1 FOR REVISION HISTORY



HEAD REPLACEMENT INSTRUCTIONS:

1. REMOVE FORWARD SUB-ASSEMBLY(903994).
2. CLEAN THE CABLE SUB-ASSEMBLY THREADS OF ANY REMAINING LOCTITE DEBRIS.
3. INSPECT CABLE SUB-ASSEMBLY.
4. ASSEMBLE SUB-ASSEMBLY 903994 ONTO CABLE SUB-ASSEMBLY WITH LOCTITE 242 THREADLOCKER OR EQUIVALENT.
5. TORQUE TO 8-12 IN-LBS.

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		DWN.	JMK	1/30/04							
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TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
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.XXX	± .005			64639	B	6:1	2 OF 2	SD903993	F		
.XXXX	± .0010										
ANGLES	± 2°										