

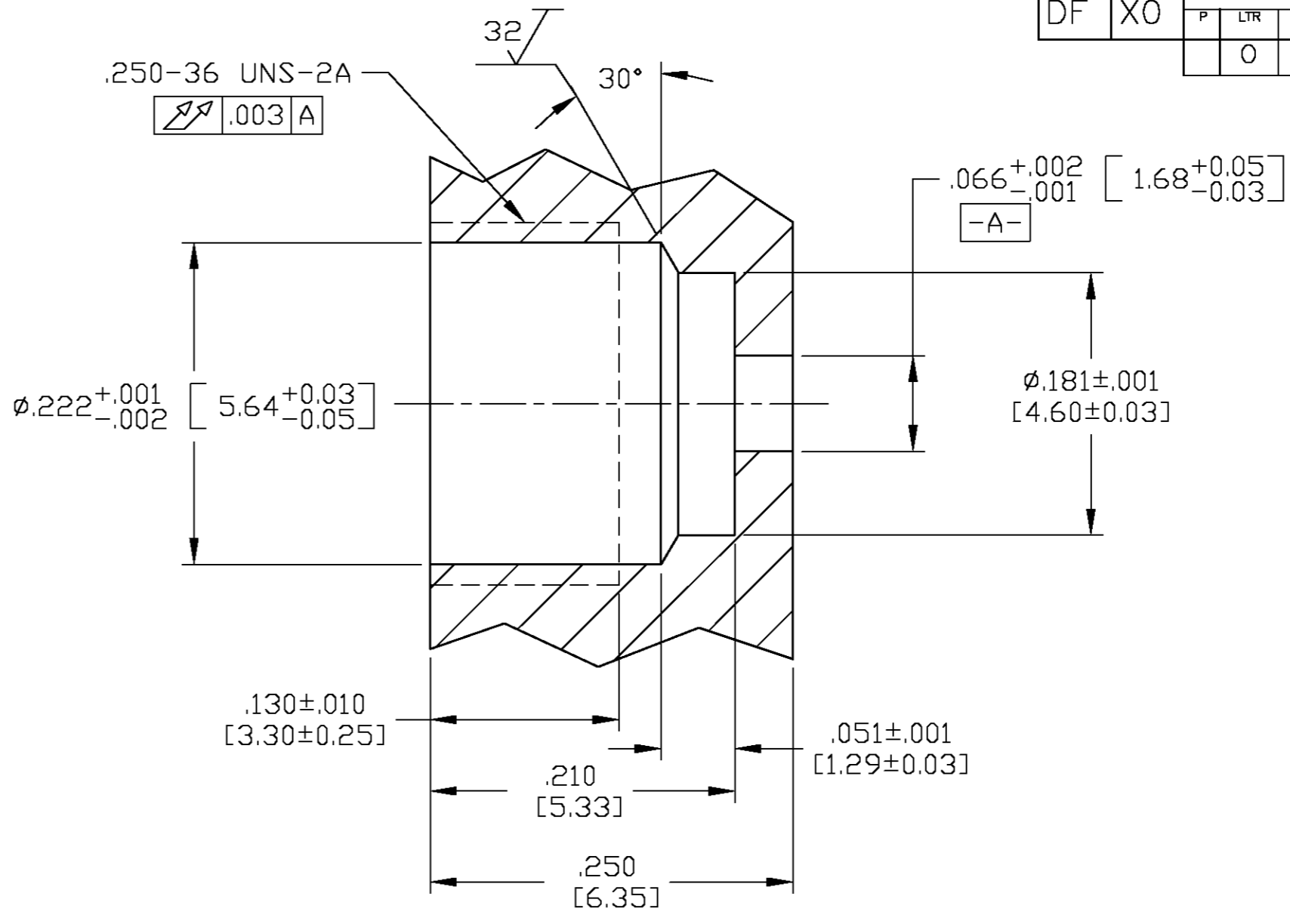
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COMPONENT	MATERIAL	FINISH			
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	NICKEL PLATED PER QQ-N-290			
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-484	-			
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR 197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488			
BUSHING CONTACT EXTENSION	IRON-NICKEL-COBALT ALLOY PER MIL-I-23011 CLASS 1 (KOVAR)	GOLD PLATED PER ASTM-B-488			
HERMETIC SEAL	GLASS BEAD	-			
BUSHING	SOFT COPPER ALLOY 110	GOLD PLATED PER ASTM-B-488			

ENVIRONMENTAL	
TEMPERATURE RATING:	-65°C TO +125°C
VIBRATION:	MIL-STD-202, METHOD 204, CONDITION D
SHOCK:	MIL-STD-202, METHOD 213, CONDITION 1
MOISTURE RESISTANCE:	MIL-STD-202, METHOD 106
CORROSION:	MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY
THERMAL SHOCK:	MIL-STD-202, METHOD 107, CONDITION B

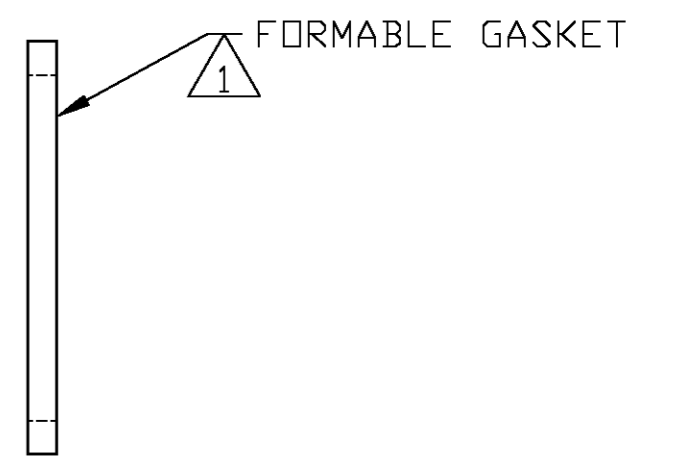
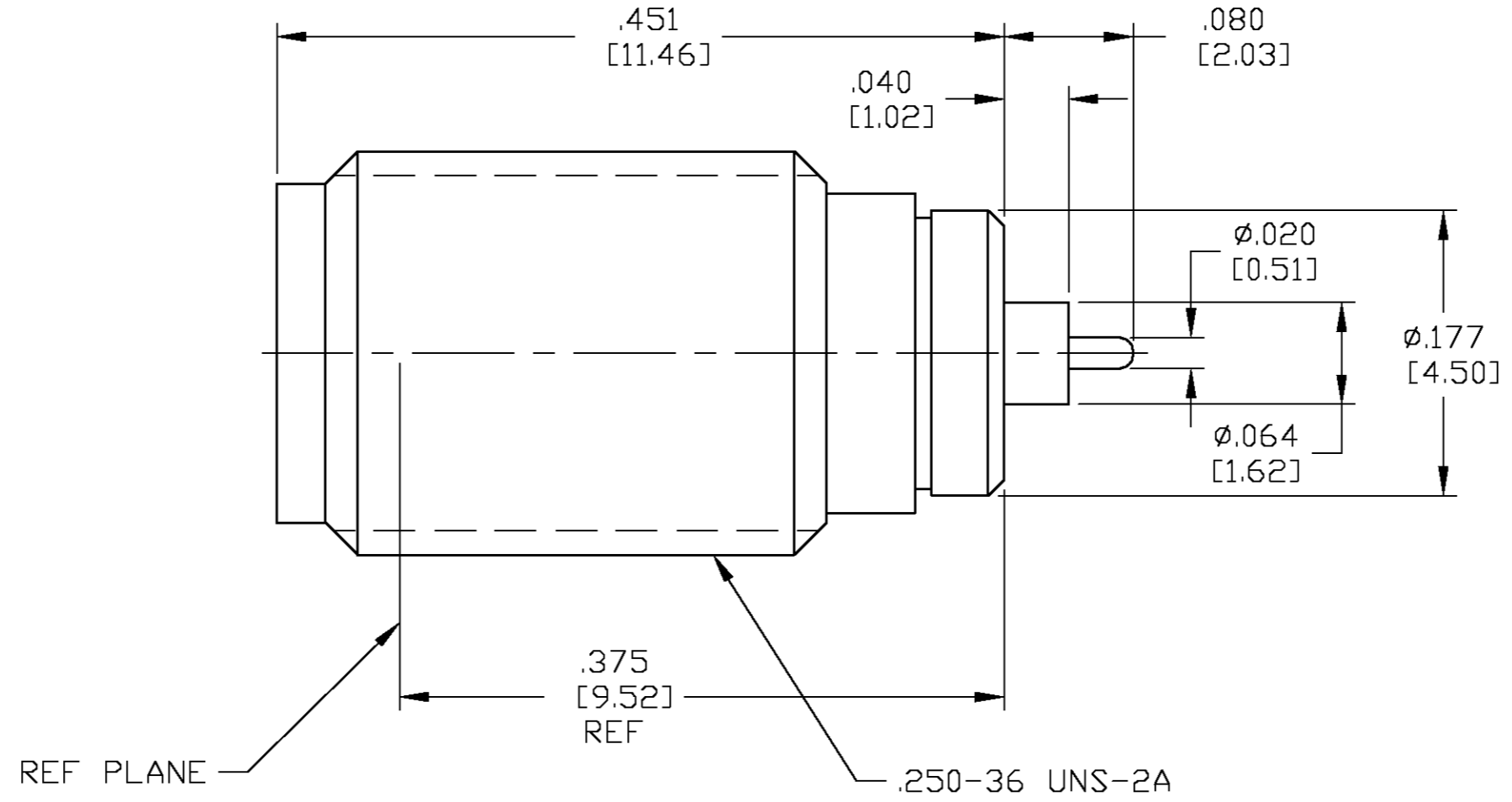
MECHANICAL	
INTERFACE DIMENSIONS:	MIL-STD-348A FIG. 310.2
RECOMMENDED MATING TORQUE:	N/A
FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX.):	2.0
WEIGHT (GRAMS):	TBD
MATING CHARACTERISTICS:	INSERTION (MAX LBS): 3.0 WITHDRAWAL (MIN OZ): 1.0
CABLE RETENTION:	AXIAL FORCE (LBS): N/A TORQUE (IN-OZ): N/A
CENTER CONTACT CAPTIVATION:	AXIAL (LBS): 6.0 MIN RADIAL (IN-OZ): -

ELECTRICAL	
NORMAL IMPEDANCE (OHMS):	50
FREQUENCY RANGE (GHz):	DC TO 18.0
VOLT RATING @ SEA LEVEL (VRMS MAX):	335
VSWR:	1.04+.009f(GHz)
INSERTION LOSS: (dB MAX):	.05 √f(GHz)
RF LEAKAGE (dB MIN):	-[100-f(GHz)]
CORONA 70,000 FT (VRMS MIN):	190
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	1,000
I.R. (MEGOHMS MIN):	5,000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):	670
CONTACT RESISTANCE (MILLIOHMS MAX):	CENTER CONTACT: 12.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: N/A

LOC	DIST	REVISIONS					
DF	X0	P	LTR	DESCRIPTION	DATE	DWN	APVD
		0		RELEASED	4-03	CT	RG



RECOMMENDED MOUNTING HOLE



1 ITEM #1 NOT ASSEMBLED, SHIPPED WITH CONNECTOR.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	C.C.THOMAS	09APR03	Tyco Electronics Corporation Harrisburg, PA 17105		
DIMENSIONS: INCHES [mm]		CHK	R.GROSS	4-10-03	NAME		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	R.GROSS	4-10-03	OSM ENVIRONMENTALLY DURABLE SPARK PLUG, HERMETICALLY SEALED		
0 PLC ± -	1 PLC ± -	PRODUCT SPEC					
2 PLC ± -	3 PLC ± .005 [0.13]	APPLICATION SPEC	408-04859				
4 PLC ± -	ANGLES ± 1°	WEIGHT	-				
MATERIAL	FINISH	CUSTOMER DRAWING		SCALE	10:1	SHEET	1 OF 1
SEE TABLE	SEE TABLE			REV	0		

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PART NO.