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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

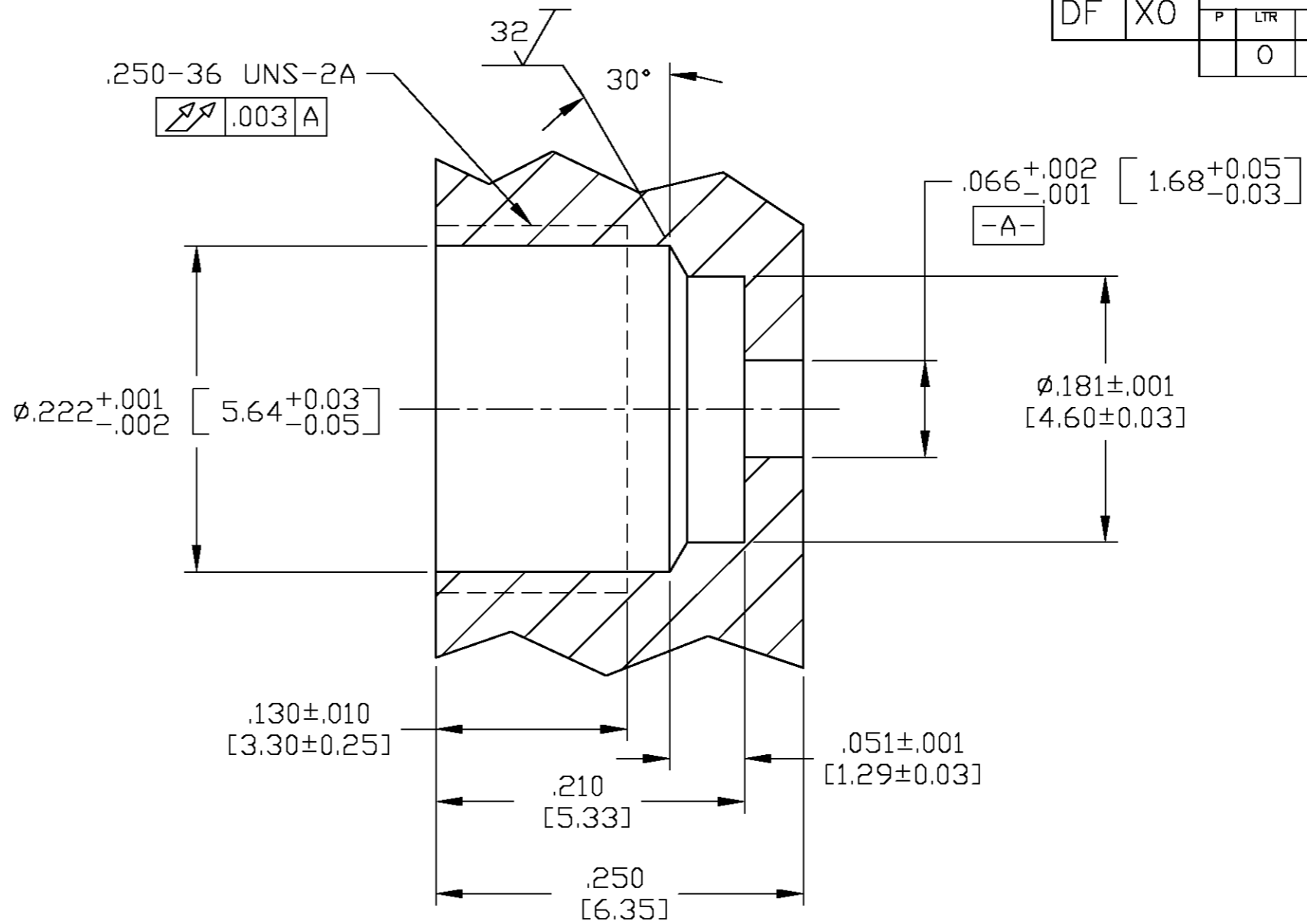
CABLE RETENTION: AXIAL FORCE (LBS): N/A
 TORQUE (IN-OZ): N/A

CENTER CONTACT CAPTIVATION: AXIAL (LBS): 6.0 MIN
 RADIAL (IN-OZ): -

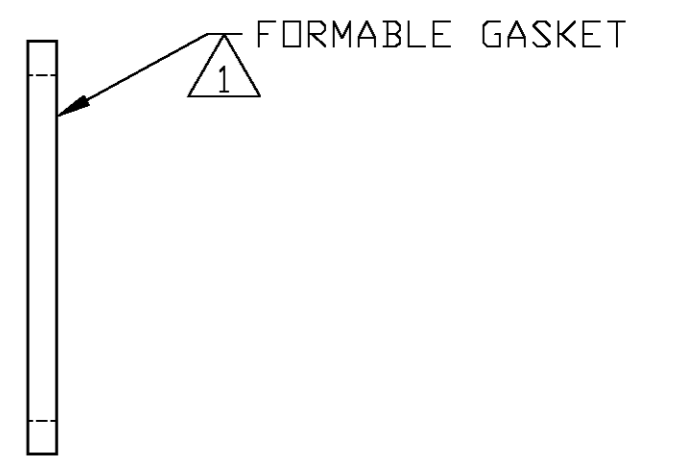
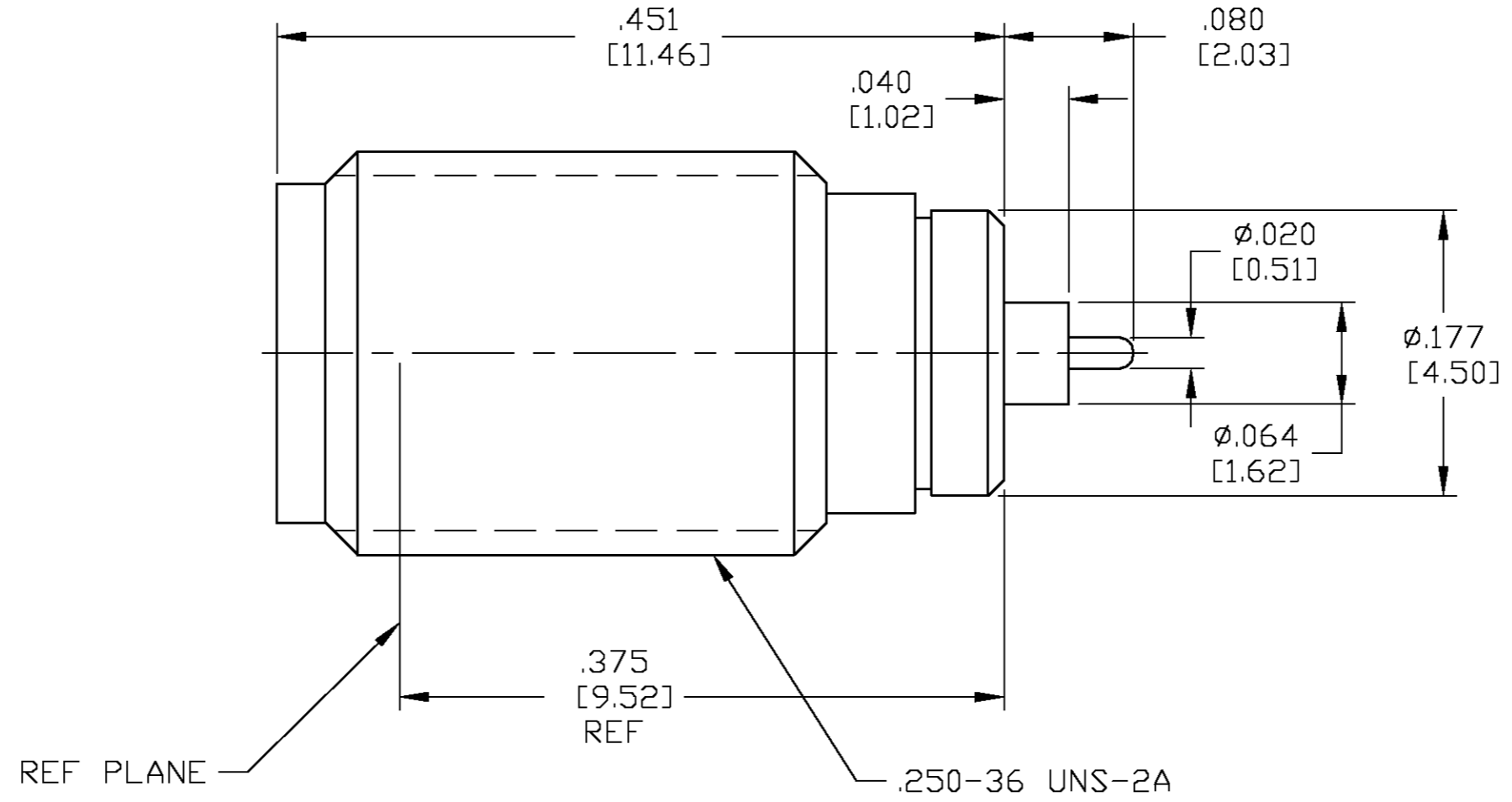
ELECTRICAL

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			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X0	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 OSM ENVIRONMENTALLY DURABLE SPARK PLUG,HERMETICALLY SEALED	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 [0.13] 4 PLC ± - 1° ANGLES ± 1°		APVD R.GROSS 4-10-03	APPLICATION SPEC 408-04859	
MATERIAL SEE TABLE		FINISH SEE TABLE	WEIGHT -	RESTRICTED TO -
CUSTOMER DRAWING		SCALE 10:1	SHEET 1 OF 1	REV 0

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PART NO.