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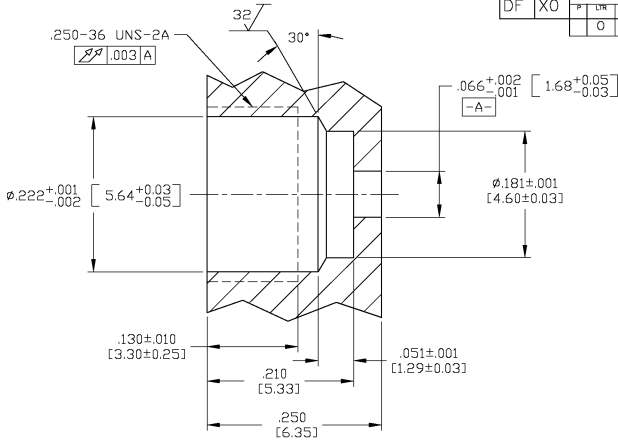
COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	NICKEL PLATED PER QQ-N-290
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-484	
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR 197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488
BUSHING CONTACT EXTENSION	IRON-NICKEL-COBALT ALLOY MIL-C-12011 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

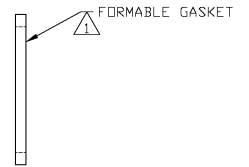
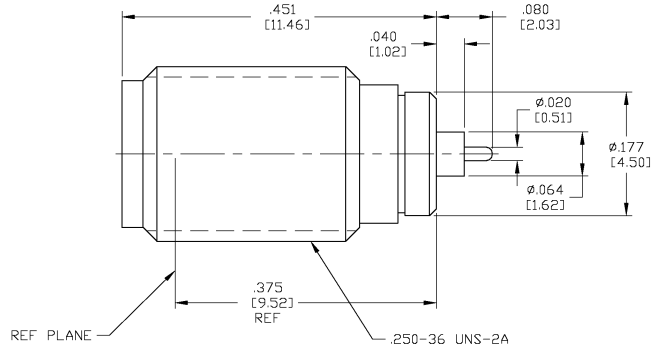
MECHANICAL	
INTERFACE DIMENSIONS:	MIL-STD-348A FIG. 310.2
RECOMMENDED MATING TORQUE:	N/A
FORCE TO ENGAGE & DISENGAGE (N-LBS MAX):	2.0
WEIGHT (GRAMS):	TBD
MATING CHARACTERISTICS:	INSERTION (MAX LBS) 3.0 WITHDRAWAL (MIN OZ): 1.0
CABLE RETENTION:	AXIAL FORCE (LBS) N/A TORQUE (IN-OZ) N/A
CENTER CONTACT CAPTIVATION: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

ELECTRICAL	
NORMAL IMPEDANCE (OHMS):	50
FREQUENCY RANGE (GHz):	DC TO 18.0
VOLT RATING @ SEA LEVEL (VRMS MAX):	335
VSWR: 1.04+-.0097(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 (MILLOHMS MAX):	CENTER CONTACT: 12.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: N/A

LOC	DIST	REV	DESCRIPTION	DATE	BY	APP'D
DF	XO	0	RELEASED	4-03	CT	RG



RECOMMENDED MOUNTING HOLE



1 ITEM #1 NOT ASSEMBLED, SHIPPED WITH CONNECTOR.

1663386-1 PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. NO. C.C.THOMAS 084P103		Tyco Electronics Corporation	
DIMENSIONS: INCHES [mm]		C.K. 4-10-03		Harrisburg, PA 17105	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		R.GROSS 4-10-03		OSM ENVIRONMENTALLY DURABLE SPARK PLUG, HERMETICALLY SEALED	
Ø	FILC ± .005	PRODUCT SPEC		RESTRICTED TO	
Ø	FILC ± .005	APPLICATION SPEC: 408-04859		SHEET 1 OF 1	
Ø	FILC ± .005 (0.15)	WEIGHT: -		SCALE: 1.0:1	
Ø	FILC ± .005	CUSTOMER DRAWING		REV 0	
Ø	ANGLES ± .5°	REF: 2058-5126-10			
Ø	FINISH: -				

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