

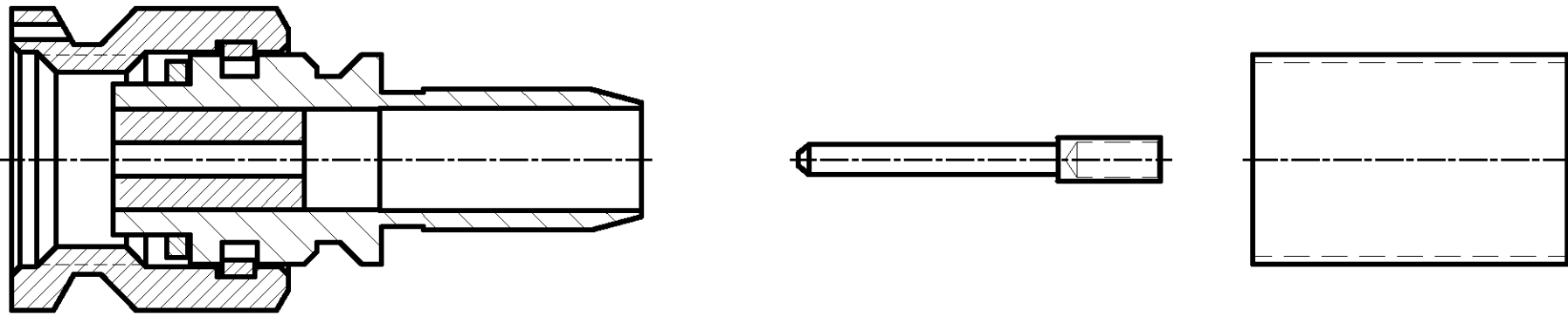
COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380
DIELECTRIC	PTFE FLUORCARBON PER ASTM-D-1457	—
CENTER CONTACT	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATED PER ASTM-B-488
—	—	—
GASKET	SILICONE RUBBER PER ZZ-R-765	—
FERRULE	COPPER OR BRASS ALLOY, ROCKWELL F65 MAX	GOLD PLATED PER ASTM-B-488
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, CONDITION H	—
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—	—	—

ENVIRONMENTAL
TEMPERATURE RATING: -65°C TO +165°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 EXCEPT HIGH TEMP 85°C

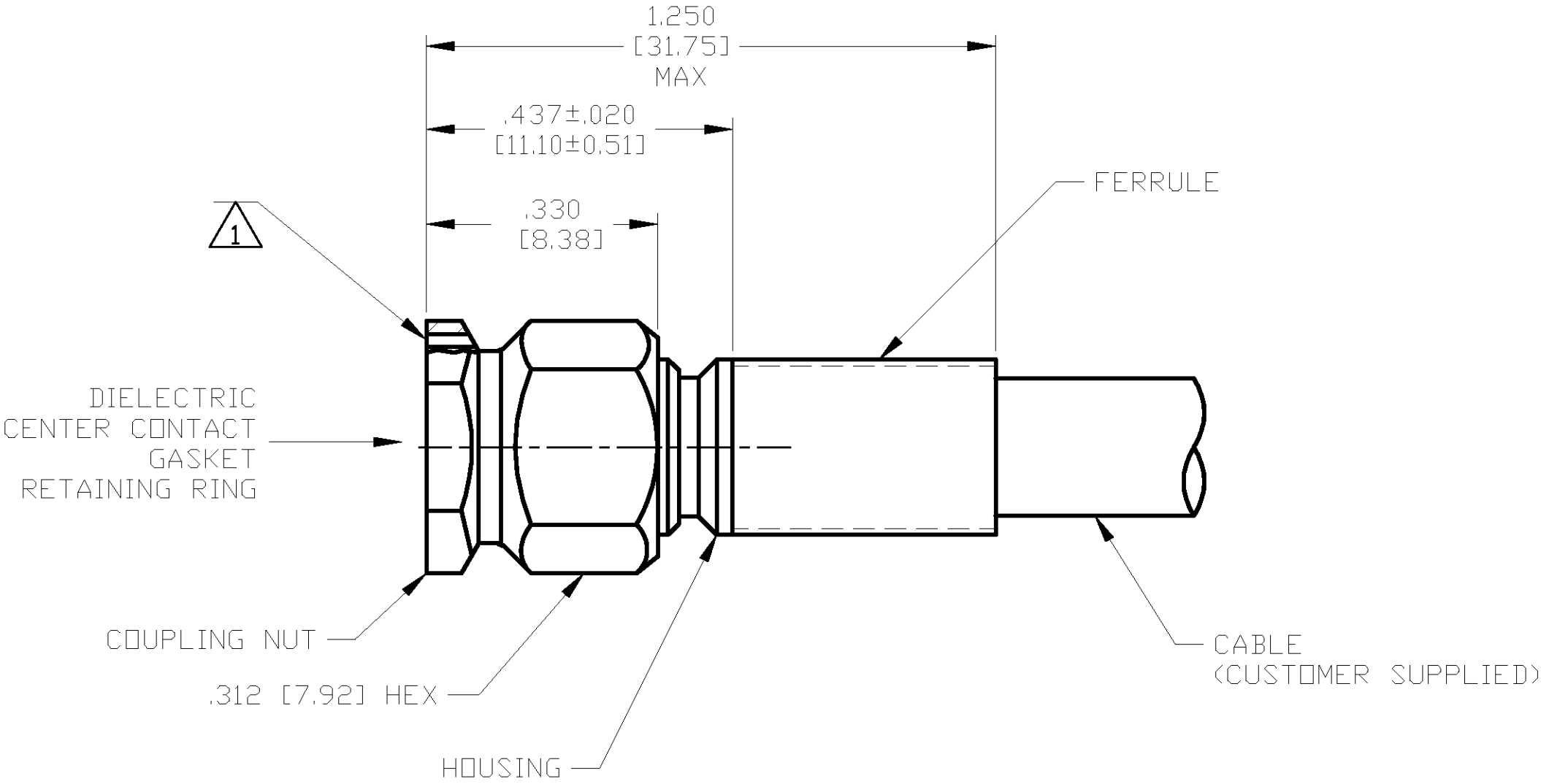
MECHANICAL
INTERFACE DIMENSIONS: MIL-STD-348A FIG. 310.1
RECOMMENDED MATING TORQUE: 7-10 IN-LBS
FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX:): 2.0
WEIGHT (GRAMS): TBD
MATING CHARACTERISTICS:
INSERTION (MAX LBS): N/A
WITHDRAWAL (MIN OZ): N/A
CABLE RETENTION:
AXIAL FORCE (LBS): 40 MIN
TORQUE (IN-OZ): N/A
CENTER CONTACT CAPTIVATION:
AXIAL (LBS): 6.0
RADIAL (IN-OZ): N/A

ELECTRICAL
NORMAL IMPEDANCE (OHMS): 50
FREQUENCY RANGE (GHz): DC TO 12.4
VOLT RATING @ SEA LEVEL (VRMS MAX): 335
VSWR: 1.15+ .01f(GHz)
INSERTION LOSS: (dB MAX): .06 $\sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN): -60 @ 2-3 GHz
CORONA 70,000 FT (VRMS MIN): 250
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 1000
I.R. (MEGOHMS MIN): 5,000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 670
CONTACT RESISTANCE (MILLIOHMS MAX):
CENTER CONTACT: 3.0
OUTER CONTACT: 2.0
CABLE TO HOUSING: 0.5

LOC	DIST	REVISIONS				
DF	X0	P	LTR	DESCRIPTION	DATE	DWN
		O		REV PER 0G3D-0423-02	9-02	JMK
						JL



AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW

1 Ø.018 [0.46] LOCKWIRE HOLE, 3 PLACES EQUALLY SPACED.

DESIGNED TO USE RG-303/U OR EQUIVALENT CABLE ENTRY DIAMETER MIN
HOUSING: .119 [3.02]
CONTACT: .041 [1.04]
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— —
FERRULE: .202 [5.13]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. KAISER CHK J.LIPPERT APVD J.LIPPERT	9-04-02 10-9-02 10-9-02	Tyco Electronics Corporation Harrisburg, PA 17105	
DIMENSIONS: INCHES [mm]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME SMA STRAIGHT CABLE PLUG CRIMP ATTACHMENT (M39012/55B3017) CAT B	
0 PLC ± -		1 PLC ± -		SIZE A2	
2 PLC ± -		3 PLC ± .005 [0.13]		CAGE CODE 00779	
4 PLC ± -		ANGLES ± -		DRAWING NO 1484541	
MATERIAL SEE TABLE		FINISH SEE TABLE		RESTRICTED TO —	
CUSTOMER DRAWING		SCALE 5:1		SHEET 1 OF 1	
				REV 0	