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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	BERYLLIUM COPPER PER ASTM-B-196 OR 197 ALLOY C17300, CONDITION H	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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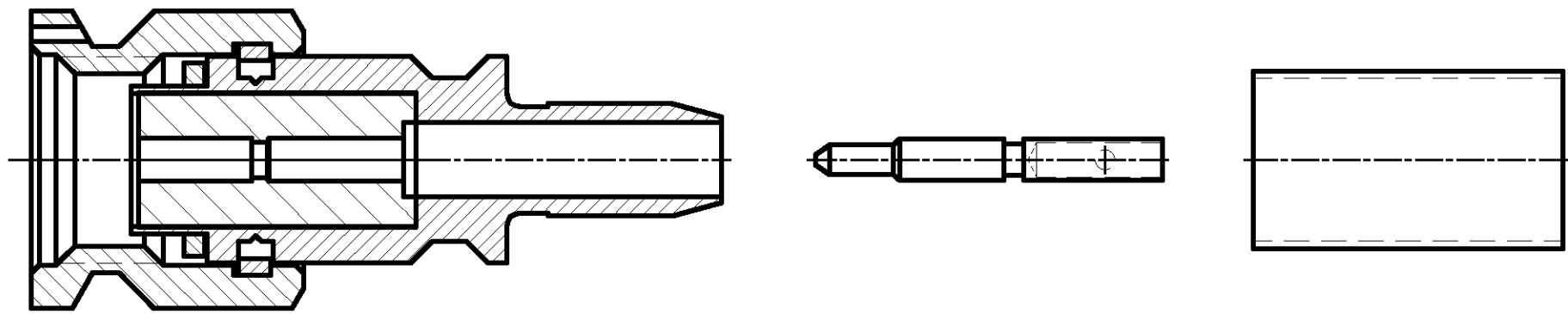
ENVIRONMENTAL	
TEMPERATURE RATING: -65°C TO +165°C	
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D	
SHOCK: MIL-STD-202, METHOD 213, CONDITION 1	
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106	
CORROSION: MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY	
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION 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) 30 MIN	
TORQUE (IN-OZ): N/A	
CENTER CONTACT CAPTIVATION:	
AXIAL (LBS): 6.0	
RADIAL (IN-OZ): N/A	

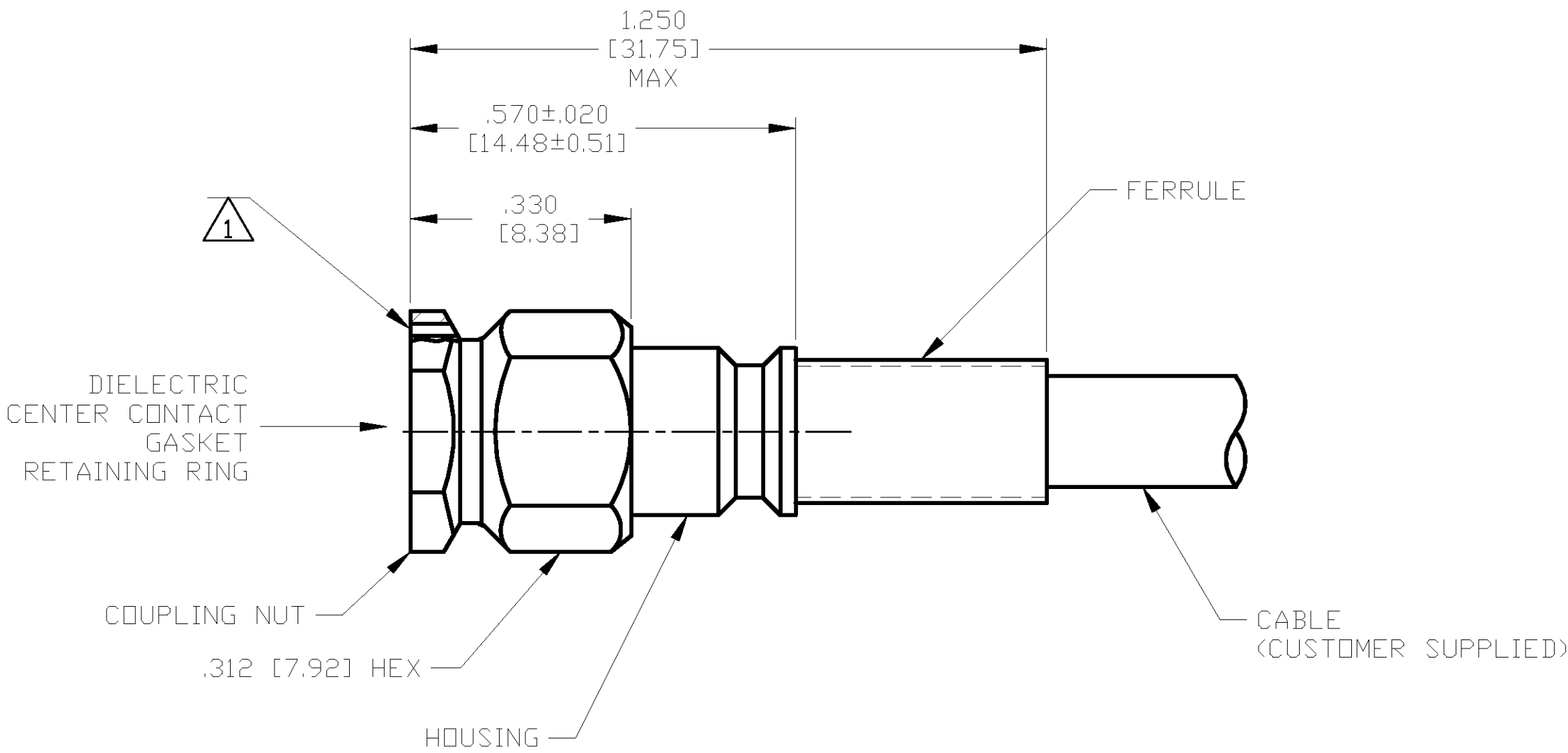
ELECTRICAL	
NORMAL IMPEDANCE (OHMS): 50	
FREQUENCY RANGE (GHz): DC TO 12.4	
VOLT RATING @ SEA LEVEL (VRMS MAX): 250	
VSWR: 1.15+.02f(GHz)	
INSERTION LOSS: (dB MAX): .06 $\sqrt{f(\text{GHz})}$	
RF LEAKAGE (dB MIN): -60 @ 2-3 GHz	
CORONA 70,000 FT (VRMS MIN): 190	
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 750	
I.R. (MEGOHMS MIN): 5,000	
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 500	
CONTACT RESISTANCE (MILLIOHMS MAX):	
CENTER CONTACT: 3.0	
OUTER CONTACT: 2.0	
CABLE TO HOUSING: 0.5	

A

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



AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW

DESIGNED TO USE RG-122/U OR EQUIVALENT CABLE ENTRY DIAMETER MIN	
HOUSING:	.099 [2.51]
CONTACT:	.034 [0.86]
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—	—
FERRULE:	.172 [4.37]

THIS DRAWING IS A CONTROLLED DOCUMENT.	
DIMENSIONS: INCHES [mm]	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± -
	1 PLC ± -
	2 PLC ± -
	3 PLC ± .005 [0.13]
	4 PLC ± -
MATERIAL SEE TABLE	FINISH SEE TABLE

DWN J. KAISER 9/10/02	Tyco Electronics Corporation Harrisburg, PA 17105	
CHK J.LIPPERT 10-9-02	NAME SMA STRAIGHT CABLE PLUG CRIMP ATTACHMENT (M39012/55-3027) CAT C	
APVD J.LIPPERT 10-9-02	SIZE A2	
PRODUCT SPEC —	CAGE CODE 00779	
APPLICATION SPEC 408-4935	DRAWING NO 1051783	
WEIGHT TBD	RESTRICTED TO —	
CUSTOMER DRAWING		SCALE 5:1
		SHEET 1 OF 1
		REV A

1051783