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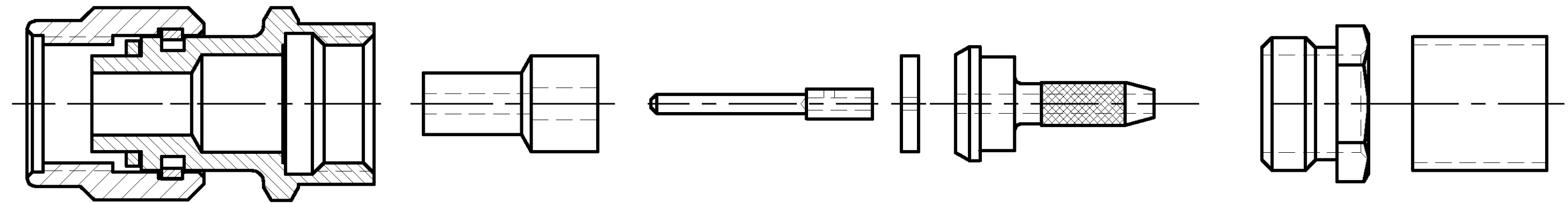
LOC	DIST	REVISIONS					
DF	X0	P	LTR	DESCRIPTION	DATE	DWN	APVD
			0	REV PER 0G3D-0423-02	8-02	JMK	JL

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 —
CLAMP NUT — INNER SLEEVE	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380 —
— 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	— —
— REAR DIELECTRIC —	NYLON OR ZYTEL#101 PER MIL-M-20693A —	— —

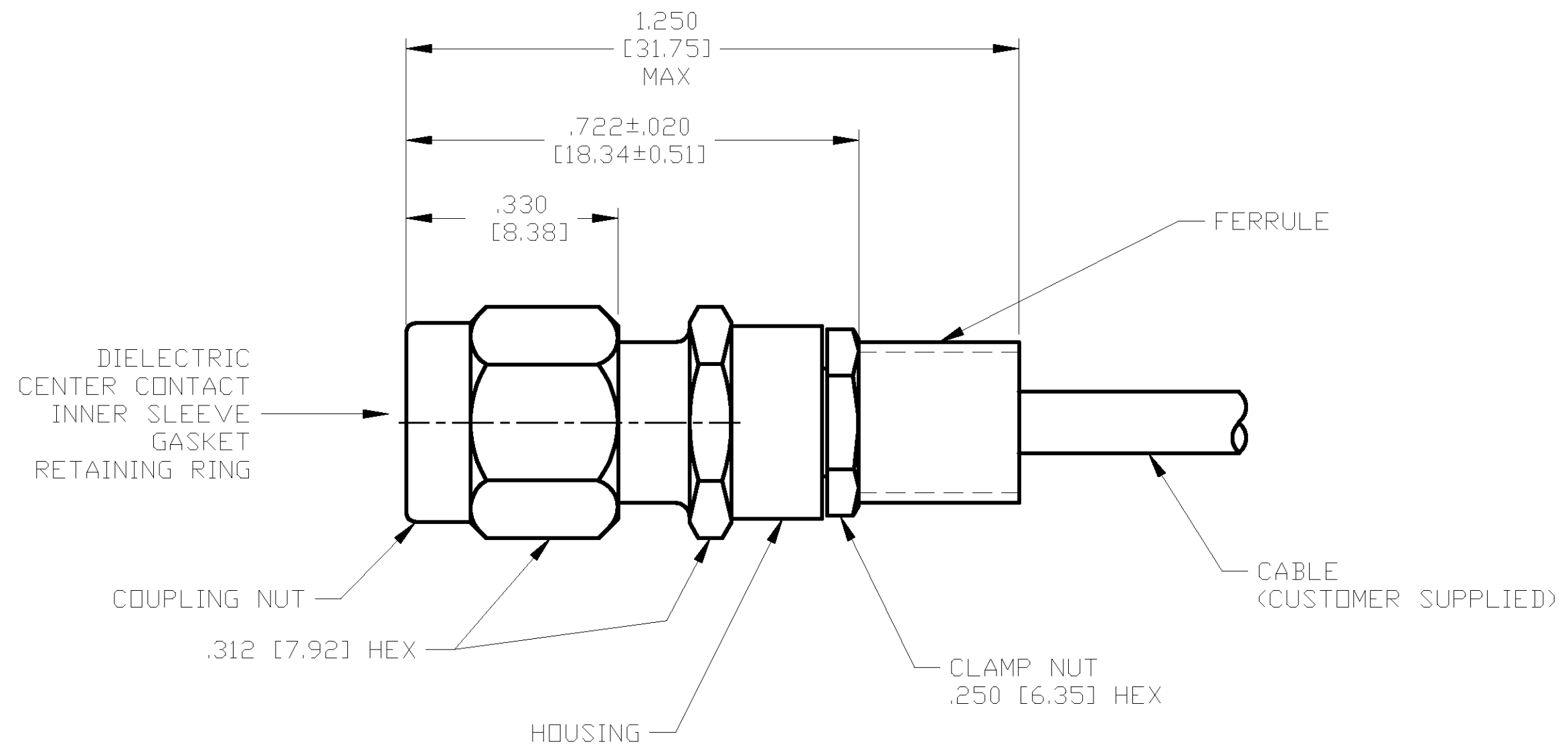
ENVIRONMENTAL
TEMPERATURE RATING: -65°C TO +165°C
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
SHOCK: MIL-STD-202, METHOD 213, CONDITION 1
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106
CORROSION: MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B 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)	10 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):	170
VSWR:	1.20+.025f(GHz)
INSERTION LOSS: (dB MAX):	.06 $\sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN):	-60 @ 2-3 GHz
CORONA 70,000 FT (VRMS MIN):	125
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	500
I.R. (MEGOHMS MIN):	5,000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):	335
CONTACT RESISTANCE (MILLIOHMS MAX):	
	CENTER CONTACT: 3.0
	OUTER CONTACT: 2.0
	CABLE TO HOUSING: 0.5



AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW

DESIGNED TO USE RG-178/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MIN	
HOUSING:	N/A
CONTACT:	.021 [0.53]
CLAMP NUT:	.179 [4.55]
SLEEVE:	.101 [2.56]
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. KAISER	8-27-02
		CHK J. LIPPERT	10-9-02
		APVD J. LIPPERT	10-9-02
DIMENSIONS: INCHES [mm]		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
		0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 [0.13] 4 PLC ± - ANGLES ± -	
MATERIAL	FINISH	PRODUCT SPEC	—
SEE TABLE	SEE TABLE	APPLICATION SPEC	408-4933
		WEIGHT	TBD
CUSTOMER DRAWING			

		Tyco Electronics Corporation Harrisburg, PA 17105	
NAME			
SMA STRAIGHT CABLE PLUG CRIMP ATTACHMENT (M39012/55-3125) CAT C			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1051810	—
SCALE		SHEET	REV
5:1		1 OF 1	0