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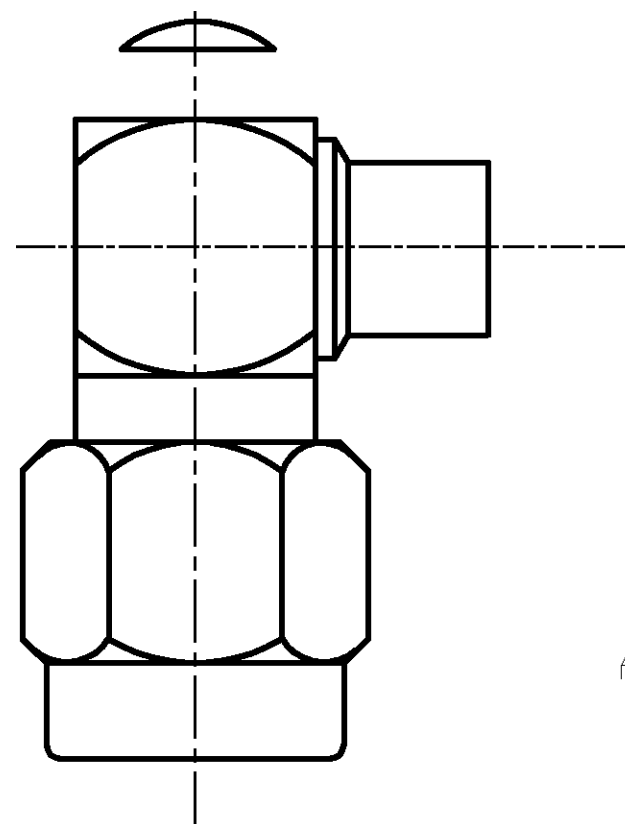
LOC	DIST	REVISIONS					
DF	XO	P	LTR	DESCRIPTION	DATE	OWN	APVD
			O	RELEASED	11-02	JMK	JL

COMPONENT	MATERIAL	FINISH
— 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-194 ALLOY C17200, CONDITION H	GOLD PLATED PER ASTM-B-488 —
HOUSING — CAP	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488 —
— GASKET —	SILICONE RUBBER PER ZZ-R-765 —	— — —
— — —	— — —	— — —
— RETAINING RING —	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, CONDITION H	— — —
— — —	— — —	— — —

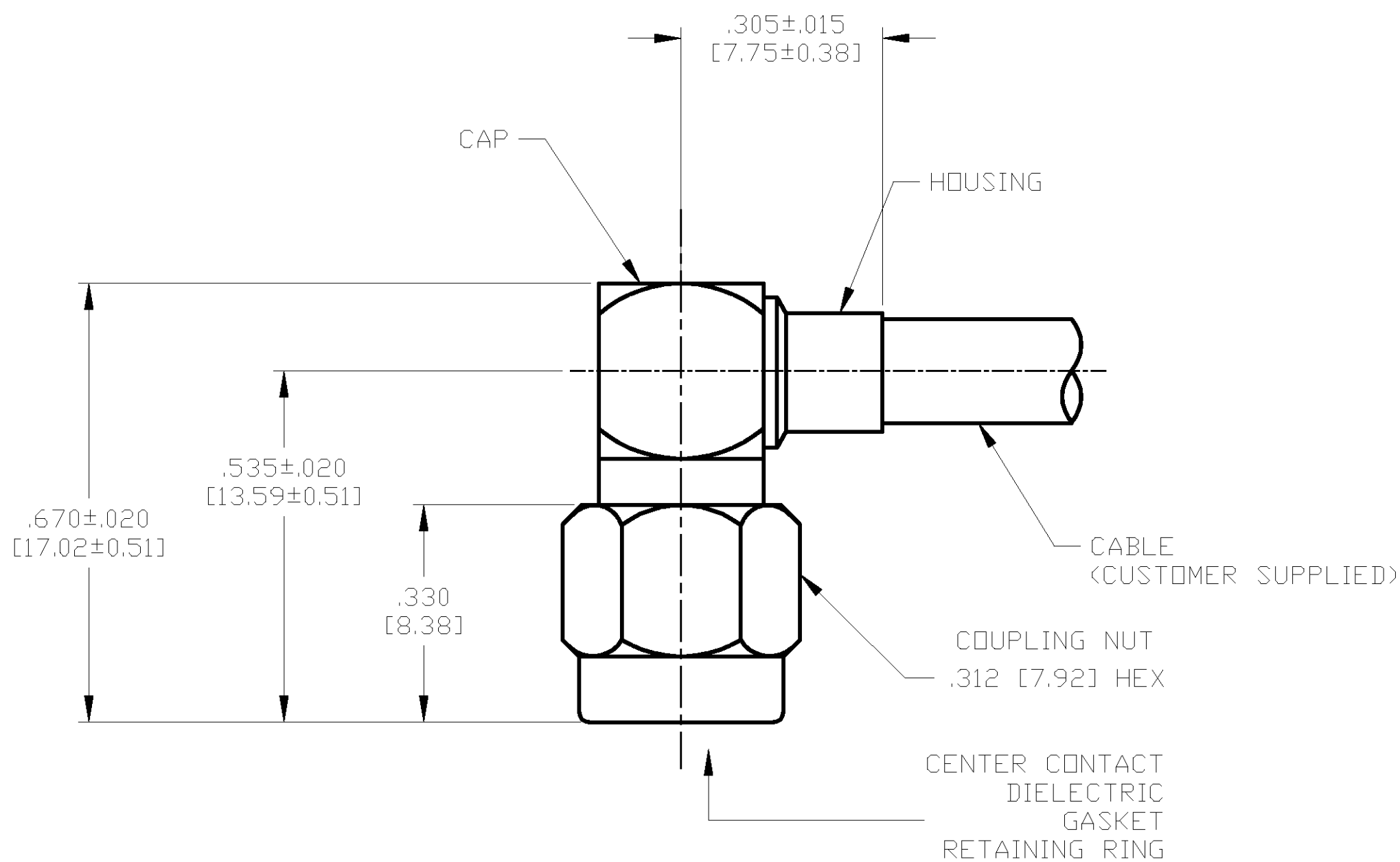
ENVIRONMENTAL
TEMPERATURE RATING: -65°C TO +165°C
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
SHOCK: MIL-STD-202, METHOD 213, CONDITION 1
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106
CORROSION: MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT HIGH TEMP 115°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)	60 MIN
	TORQUE (IN-OZ):	55.0
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):	500
VSWR:	1.10+0.01f(GHz)
INSERTION LOSS: (dB MAX):	.05 $\sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN):	-90 @ 2-3 GHz
CORONA 70,000 FT (VRMS MIN):	375
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	1500
I.R. (MEGOHMS MIN):	5,000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):	1000
CONTACT RESISTANCE (MILLIOHMS MAX):	
	CENTER CONTACT: 4.0
	OUTER CONTACT: 2.0
	CABLE TO HOUSING: 0.5



AS SHIPPED TO CUSTOMER



ASSEMBLED VIEW

DESIGNED TO USE RG-402/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MIN	
HOUSING:	.145 [3.68]
CONTACT:	.037 [0.94]
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. KAISER	10/07/02
		CHK J. LIPPERT	11-20-02
		APD J. LIPPERT	11-20-02
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	APPLICATION SPEC
SEE TABLE	SEE TABLE	408-4845	TBD
		WEIGHT	CUSTOMER DRAWING

		Tyco Electronics Corporation Harrisburg, PA 17105	
NAME			
SMA RIGHT ANGLE CABLE PLUG-DIRECT SOLDER ATTACHMENT (M39012/80-3106) CAT E			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	 1051176	—
SCALE		SHEET	REV
5:1		1 of 1	0