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COMPONENT	MATERIAL	FINISH
HOUSING CAP 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	-

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) 45 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+.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): 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: 4.0
OUTER CONTACT: 2.0
CABLE TO HOUSING: 0.5

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	XO	O RELEASED	9-02	JMK	JL

AS SHIPPED TO CUSTOMER

ASSEMBLED VIEW

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

DESIGNED TO USE RG-142/U OR EQUIVALENT CABLE ENTRY DIAMETER MIN	HOUSING: .121 [3.07]
	CONTACT SLOT: .041 [1.04]
	FERRULE: .216 [5.48]

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

DWN J. KAISER 9/24/02	Tyco Electronics Corporation Harrisburg, PA 17105
CHK J. LIPPERT 10-18-02	
APVD J. LIPPERT 10-18-02	NAME SMA RIGHT ANGLE CABLE PLUG-CRIMP ATTACHMENT (M39012/56-3028) CAT C
PRODUCT SPEC	SIZE A2
APPLICATION SPEC 408-4846	CAGE CODE 00779
WEIGHT TBD	DRAWING NO 1052176
CUSTOMER DRAWING	RESTRICTED TO -
SCALE 5:1	SHEET 1 OF 1
	REV 0

1052176-1
PART
NO.

AMP 1471-9 REV 31MAR2000

MA/COM # 2037-8028-92

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1052176

B

A

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[SMA6251A1-3GT50G-50B](#) [M39012/55-3026](#) [M39012/67-0004](#) [M39012/31-0001](#) [UG-89/U\(40\)](#) [M39012/27-0018](#) [M39012/27-0101](#)
[M39012/01-0005](#) [SMA1111A1-3GT50G-1-50](#) [M39012/28-0010](#) [M39012/55B3022](#) [M39012/26-0018](#) [M39012/26-0022](#) [M39012/26-0101](#)
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