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

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 FLUOROCARBON PER ASTM-D-1457	-
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, 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	-
-	-	-
-	-	-

AS SHIPPED TO CUSTOMER

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

ASSEMBLED VIEW

DESIGNED TO USE	
RG-142/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MIN	
HOUSING:	.122 [3.10]
CONTACT:	.039 [0.99]
-	-
-	-
FERRULE:	.216 [5.48]

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES [mm]	
0 PLC	± -
1 PLC	± -
2 PLC	± -
3 PLC	± .005 [0.13]
4 PLC	± -
ANGLES	± -

MATERIAL: SEE TABLE
FINISH: SEE TABLE

DESIGNED BY		DATE		DRAWN		CHECKED		APPROVED		PRODUCT SPEC		APPLICATION SPEC		CUSTOMER DRAWING	
J. KAISER		9/25/02		J. KAISER		J. LIPPERT		J. LIPPERT		408-4930		408-4930		CUSTOMER DRAWING	
J. LIPPERT		10-18-02		J. LIPPERT		J. LIPPERT		J. LIPPERT		TBD		TBD		CUSTOMER DRAWING	
J. LIPPERT		10-18-02		J. LIPPERT		J. LIPPERT		J. LIPPERT		TBD		TBD		CUSTOMER DRAWING	

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PART NO.

tyco
Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105

SMA RIGHT ANGLE CABLE PLUG-CRIMP
ATTACHMENT (M39012/56-3602) CAT D

SCALE: 5:1 SHEET 1 OF 1 REV 0

AMP 1471-9 REV 31MAR2000

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MA/COM # 2037-8162-92

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