

4

3

2

1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION N/A, N/A

© COPYRIGHT N/A BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

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

DWN	J. KAISER	9/25/02	<p>Tyco Electronics Corporation Harrisburg, PA 17105</p>	
CHK	J. LIPPERT	10-18-02		
APVD	J. LIPPERT	10-18-02		
PRODUCT SPEC	J. LIPPERT	10-18-02		
APPLICATION SPEC	408-4930		NAME	SMA RIGHT ANGLE CABLE PLUG-CRIMP ATTACHMENT (M39012/56-3602) CAT D
WEIGHT	TBD		SIZE	A2
CUSTOMER DRAWING			CAGE CODE	00779
			DRAWING NO	1086723
			RESTRICTED TO	-
			SCALE	5:1
			SHEET	1 OF 1
			REV	0

1086723-1
PART NO.

AMP 1471-9 REV 31MAR2000

J:\DEPT1733\U.DIES\john lippert\1052178_1_c.dwg

MA/COM # 2037-8162-92

1086723

B

A