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COMPONENT

MATERIAL

FINISH

HOUSING

STAINLESS STEEL PER
ASTM-A-484 OR ASTM-A-582
TYPE 303

GOLD PLATED PER
ASTM-B-488

DIELECTRIC

PTFE FLUORCARBON
PER ASTM-D-1457

CENTER CONTACT

BERYLLIUM COPPER PER
ASTM-B-196 OR 197
ALLOY C17300, CONDITION H

GOLD PLATED PER
ASTM-B-488

FERRULE

COPPER OR BRASS
ALLOY, ROCKWELL
F65 MAX

GOLD PLATED PER
ASTM-B-488

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. 310.2

RECOMMENDED MATING TORQUE:

7-10 IN-LBS

FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX:)

2.0

WEIGHT (GRAMS):

TBD

MATING CHARACTERISTICS:

INSERTION (MAX LBS) 2
WITHDRAWAL (MIN OZ): 1

CABLE RETENTION:

AXIAL FORCE (LBS) 40
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+0.01f(GHz)

INSERTION LOSS: (dB MAX):

.06 $\sqrt{f(\text{GHz})}$

RF LEAKAGE (dB MIN):

-60 @ 2-3GHz

CORONA 70,000 FT (VRMS MIN):

250

DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:

1000

I.R. (MEGOHMS MIN):

5000

RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):

670

CONTACT RESISTANCE (MILLIOHMS MAX):

CENTER CONTACT: 3.0
OUTER CONTACT: 2.0
CABLE TO HOUSING: 0.5

LOC

DIST

REVISIONS

DF

X0

P

LTR

DESCRIPTION

DATE

DWN

APVD

B

REV PER 0G3D-0032-03

11-03

JMK

JL

AS SHIPPED TO CUSTOMER

ASSEMBLED VIEW

DESIGNED TO USE
RG-58/U OR EQUIVALENT

CABLE ENTRY
DIAMETER MIN

HOUSING: .121 [3.07]

CONTACT: .040 [1.02]

DIELECTRIC: N/A

-

FERRULE: .216 [5.49]

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

INCHES [mm]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005 [0.13]
4 PLC ± -
ANGLES ± -
FINISH

MATERIAL

SEE TABLE

SEE TABLE

DWN

J. KAISER

9/11/02

CHK

J.LIPPERT

10-8-02

APVD

J.LIPPERT

10-8-02

PRODUCT SPEC

APPLICATION SPEC

408-8742

WEIGHT

TBD

CUSTOMER DRAWING

tyco

Electronics

Tyco Electronics Corporation

Harrisburg, PA 17105

NAME

SMA STRAIGHT CABLE JACK-SOLDER ATTACHMENT
(M39012/57-3009) CAT A

SIZE

A2

CAGE CODE

00779

DRAWING NO

C=1051902

RESTRICTED TO

-

SCALE

5:1

SHEET

1

OF

1

REV

B

1051902-1

PART NO.

AMP 1471-9 REV 31MAR2000

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MA/COM # 2032-8009-90

Mouser Electronics

Authorized Distributor

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