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COMPONENT

MATERIAL

FINISH

HOUSING

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-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) 45

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

A

REV PER OG3D-0032-03

11-03

JMK

JL

AS SHIPPED TO CUSTOMER

1.265
[32.13]
MAX

.385
[9.78]

.065
[1.65]

FERRULE

CABLE
(CUSTOMER SUPPLIED)

HOUSING

CENTER CONTACT DIELECTRIC

.250-36 UNS-2A

ASSEMBLED VIEW

Ø.102
[2.59]
4 PLC

.340
[8.65]
TYP

.500 SQ
[12.70]

DESIGNED TO USE
RG-142/U OR EQUIVALENT
CABLE ENTRY
DIAMETER MIN

HOUSING: .121 [3.07]

CONTACT: .039 [0.99]

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
9/12/02

CHK
J. LIPPERT
10-18-02

APVD
J. LIPPERT
10-18-02

PRODUCT SPEC

APPLICATION SPEC

408-8746

WEIGHT
TBD

CUSTOMER DRAWING

SCALE
5:1

SHEET
1 OF 1

REV
A

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105

NAME
SMA STRAIGHT FLANGE MOUNT CABLE JACK-CRIMP
ATTACHMENT (M39012/58B3015) CAT B

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1052043

RESTRICTED TO
—

1052043-1

PART
NO.

AMP 1471-9 REV 31MAR2000

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MA/COM # 2036-8015-92