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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	XO				
		REV PER 0G3D-0423-02	8-02	JMK	JL

COMPONENT	MATERIAL	FINISH
HOUSING 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	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATED PER ASTM-B-488
CLAMP NUT INNER SLEEVE	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380
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	-
REAR DIELECTRIC	NYLON OR ZYTEL#101 PER MIL-M-20693A	-

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) 20 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): 250

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): 190

DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 750

I.R. (MEGOHMS MIN): 5,000

RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 500

CONTACT RESISTANCE (MILLIOHMS MAX):
CENTER CONTACT: 3.0
OUTER CONTACT: 2.0
CABLE TO HOUSING: 0.5

ASSEMBLED VIEW

DESIGNED TO USE
RG-188/U OR EQUIVALENT
CABLE ENTRY
DIAMETER MIN

HOUSING: N/A

CONTACT: .021 [0.53]

SLEEVE: .067 [1.70]

FERRULE: .128 [3.25]

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	±	-

MATERIAL: SEE TABLE

FINISH: SEE TABLE

DWN: J. KAISER 8-26-02

CHK: J. LIPPERT 10-9-02

APVD: J. LIPPERT 10-9-02

PRODUCT SPEC

APPLICATION SPEC

408-4937

WEIGHT: TBD

CUSTOMER DRAWING

1051804-1
PART NO.

tyco
Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105

SMA STRAIGHT CABLE PLUG CRIMP ATTACHMENT
(M39012/55B3119) CAT B

SIZE: A2 CAGE CODE: 00779 DRAWING NO: 1051804 RESTRICTED TO: -

SCALE: 5:1 SHEET: 1 OF 1 REV: 0

AMP 1471-9 REV 31MAR2000

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MA/COM # 2031-8119-92

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