

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THIS DRAWING IS UNPUBLISHED.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.	
COMPONENT	MATERIAL	FINISH	
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488	
DIELECTRIC	PTFE FLUOROCARBON 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	
---	---	---	
---	---	---	
---	---	---	

LOC	DIST	REVISIONS					
DF	X0	P	LTR	DESCRIPTION	DATE	DWN	APVD
		A		REV PER 0G3D-0032-03	11-03	JMK	JL

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. 310.2
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) 30 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+0.02f(GHz)
INSERTION LOSS: (dB MAX):	.06 $\sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN):	-60 @ 2-3GHz
CORONA 70,000 FT (VRMS MIN):	190
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	750
I.R. (MEGOHMS MIN):	5000
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

Labels: CENTER CONTACT DIELECTRIC, HOUSING, FERRULE, CABLE (CUSTOMER SUPPLIED)

Dimensions: .960 [24.38] MAX, .531±.007 [13.49±0.18], .250 [6.35], .312 [7.92] HEX, .250-36 UNS-2A

ASSEMBLED VIEW

DESIGNED TO USE RG-122/U OR EQUIVALENT
CABLE ENTRY DIAMETER MIN
HOUSING: .099 [2.51]
CONTACT: .033 [0.84]
DIELECTRIC: N/A
FERRULE: .172 [4.37]

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	 Tyco Electronics Corporation Harrisburg, PA 17105
CHK J.LIPPERT 10-8-02	
APVD J.LIPPERT 10-8-02	
PRODUCT SPEC	
APPLICATION SPEC 408-8742	NAME SMA STRAIGHT CABLE JACK-SOLDER ATTACHMENT (M39012/57-3008) CAT A
WEIGHT TBD	SIZE A2
CUSTOMER DRAWING	CAGE CODE 00779
SCALE 5:1	DRAWING NO C=1051901
SHEET 1 OF 1	RESTRICTED TO -
REV A	

1051901-1
PART NO.

AMP 1471-9 REV 31MAR2000

J:\DEPT1733\U.DIES\john_lippert\1051908_1_c.dwg

MA/COM # 2032-8008-90