

4

3

2

1

THIS DRAWING IS UNPUBLISHED.			RELEASED FOR PUBLICATION		
© COPYRIGHT N/A BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.			N/A, N/A		
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			
---	---	---			
---	---	---			
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	---			
---	---	---			
---	---	---			

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): 30 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

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

AS SHIPPED TO CUSTOMER

Labels: DIELECTRIC CENTER CONTACT GASKET, RETAINING RING, COUPLING NUT, HOUSING, FERRULE, CABLE (CUSTOMER SUPPLIED)

Dimensions: 1.250 [31.75] MAX, .570±.020 [14.48±0.51], .330 [8.38], .312 [7.92] HEX

ASSEMBLED VIEW

DESIGNED TO USE	
RG-122/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MIN	
HOUSING:	.099 [2.51]
CONTACT:	.034 [0.86]
---	---
---	---
FERRULE:	.172 [4.37]

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
INCHES [mm]			
0 PLC	± -	0 PLC	± -
1 PLC	± -	1 PLC	± -
2 PLC	± -	2 PLC	± -
3 PLC	± .005 [0.13]	3 PLC	± .005 [0.13]
4 PLC	± -	4 PLC	± -
ANGLES	± -	ANGLES	± -
MATERIAL	SEE TABLE	FINISH	SEE TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN		9/09/02		J. KAISER	
CHK		10-9-02		J.LIPPERT		APVD	
APVD		10-9-02		J.LIPPERT		PRODUCT SPEC	
APPLICATION SPEC		408-8740		WEIGHT		TBD	
CUSTOMER DRAWING		SCALE		5:1		SHEET	
1 OF 1		REV		A			
1051798-1				PART NO.			
tyco				Tyco Electronics Corporation			
Electronics				Harrisburg, PA 17105			
NAME				SMA STRAIGHT CABLE PLUG CRIMP ATTACHMENT (M39012/55B3113) CAT B			
SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO	
A2		00779		C=1051798		-	

AMP 1471-9 REV 31MAR2000

J:\DEPT1733\U.DIES\john_lippert\1051798_1_c.dwg

MA/COM # 2031-8113-92

1051798

B

A