

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THIS DRAWING IS UNPUBLISHED.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	PASSIVATED PER ASTM-A-380			
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			
---	---	---			
---	---	---			
---	---	---			

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

AS SHIPPED TO CUSTOMER

1.265 [32.13] MAX

.531±.007 [13.49±0.18]

.250 [6.35]

FERRULE

CENTER CONTACT DIELECTRIC

HOUSING

CABLE (CUSTOMER SUPPLIED)

.250-36 UNS-2A

.312 [7.92] HEX

ASSEMBLED VIEW

DESIGNED TO USE RG-142/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 SEE TABLE
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		
408-8744		
WEIGHT	TBD	
CUSTOMER DRAWING		

1051921-1		PART NO.	
tyco Electronics		Tyco Electronics Corporation Harrisburg, PA 17105	
SMA STRAIGHT CABLE JACK-CRIMP ATTACHMENT (M39012/57-3028) CAT C			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C=1051921	-
SCALE	5:1	SHEET	1 OF 1
REV	C		

AMP 1471-9 REV 31MAR2000

MA/COM # 2032-8028-92

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

1051921

B

A