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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 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	
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FERRULE	COPPER OR BRASS ALLOY, ROCKWELL F65 MAX	GOLD PLATED PER ASTM-B-488	
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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

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

Dimensions: 1.265 [32.13] MAX, .531±.007 [13.49±0.18], .250 [6.35], .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 ± -
MATERIAL SEE TABLE	FINISH 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	
NAME SMA STRAIGHT CABLE JACK-CRIMP ATTACHMENT (M39012/57-3028) CAT C	
SIZE A2	CAGE CODE 00779
DRAWING NO C=1051921	RESTRICTED TO -
SCALE 5:1	SHEET 1 OF 1
REV C	

AMP 1471-9 REV 31MAR2000

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MA/COM # 2032-8028-92

1051921

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