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COMPONENT	MATERIAL	FINISH	REVISIONS		
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380	P	LTR	DESCRIPTION
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457		A		REV PER 0G3D-0032-03
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR 197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488	DATE	DWN	APVD
			11-03	JMK	JL
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAX	GOLD PLATED PER ASTM-B-488			

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) 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

ASSEMBLED VIEW

DESIGNED TO USE	RG-142/U OR EQUIVALENT
CABLE ENTRY	DIAMETER MIN
HOUSING:	.121 [3.07]
CONTACT:	.039 [0.99]
DIELECTRIC:	N/A
FERRULE:	.216 [5.49]

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

DWN	J. KAISER	9/12/02	tyco Tyco Electronics Corporation	
CHK	J. LIPPERT	10-18-02	Harrisburg, PA 17105	
APVD	J. LIPPERT	10-18-02	NAME	
PRODUCT SPEC	SMA STRAIGHT FLANGE MOUNT CABLE JACK-CRIMP ATTACHMENT (M39012/58B3015) CAT B			
APPLICATION SPEC	408-8746	SIZE	CAGE CODE	DRAWING NO
WEIGHT	TBD	A2	00779	1052043
CUSTOMER DRAWING	SCALE	5:1	SHEET	1 OF 1
	REV	A		

1052043-1
PART NO.

AMP 1471-9 REV 31MAR2000

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