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COMPONENT	MATERIAL	FINISH			
HOUSING CLAMP 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	---			
INNER SLEEVE	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATED PER ASTM-B-488			
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, CONDITION H	GOLD PLATED PER ASTM-B-488			
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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 115°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 MIN TORQUE (IN-OZ): 16.0
CENTER CONTACT CAPTIVATION:	AXIAL (LBS): 6.0 RADIAL (IN-OZ): N/A

ELECTRICAL	
NORMAL IMPEDANCE (OHMS):	50
FREQUENCY RANGE (GHz):	DC TO 18
VOLT RATING @ SEA LEVEL (VRMS MAX):	335
VSWR:	1.07+0.01f(GHz)
INSERTION LOSS: (dB MAX):	.03 $\sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN):	-90 @ 2-3 GHz
CORONA 70,000 FT (VRMS MIN):	250
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	1000
I.R. (MEGOHMS MIN):	5,000
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-405/U OR EQUIVALENT
CABLE ENTRY	DIAMETER MIN
HOUSING:	N/A
CONTACT:	.024 [0.61]
CLAMP NUT:	N/A
SLEEVE:	.087 [2.21]
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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	10/10/02	1051093-1	
CHK	J.LIPPERT	11-20-02	PART NO.	
APVD	J.LIPPERT	11-20-02	1051093	
PRODUCT SPEC	SMA FLANGE MOUNT CABLE JACK-SOLDER CLAMP ATTACHMENT (M39012/82-3007) CAT E			
APPLICATION SPEC	408-8752	SIZE	CAGE CODE	DRAWING NO
WEIGHT	TBD	A2	00779	C=1051093
CUSTOMER DRAWING	SCALE	5:1	SHEET	1 OF 1
MA/COM # 2006-8007-92	REV	A		

AMP 1471-9 REV 31MAR2000

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