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COMPONENT	MATERIAL	FINISH
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	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, CONDITION H	GOLD PLATED PER ASTM-B-488
HOUSING CAP	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488
GASKET	SILICONE RUBBER PER ZZ-R-765	—
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 115°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): 16.0
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:	1.10+0.01f(GHz)
INSERTION LOSS: (dB MAX):	.05 $\sqrt{f(\text{GHz})}$
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: 4.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: 0.5

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	XO	O RELEASED	11-02	JMK	JL

AS SHIPPED TO CUSTOMER

ASSEMBLED VIEW

1 \varnothing .018 [0.46] LOCKWIRE HOLE, 3 PLACES EQUALLY SPACED.

DESIGNED TO USE	
RG-405/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MIN	
HOUSING:	.089 [2.26]
CONTACT:	.037 [0.94]
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	10/07/02	tyco		Tyco Electronics Corporation	
DIMENSIONS:		CHK	J. KAISER	Electronics		Harrisburg, PA 17105	
INCHES [mm]		APVD	J. LIPPERT	NAME		SMA RIGHT ANGLE CABLE PLUG-DIRECT	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	J. LIPPERT	APPLICATION SPEC		SOLDER ATTACHMENT (M39012/80-8005) CAT E	
0 PLC ± -		408-4844	SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO
1 PLC ± -		WEIGHT	A2		00779	1051165	—
2 PLC ± -		CUSTOMER DRAWING		SCALE		SHEET	OF
3 PLC ± .005 [0.13]		SCALE 5:1		SHEET 1		OF 1	
4 PLC ± -		REV		0			
ANGLES ± -							
MATERIAL							
SEE TABLE							
FINISH							
SEE TABLE							

AMP 1471-9 REV 31MAR2000

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MA/COM # 2007-8005-92

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