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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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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)	60 MIN
TORQUE (IN-OZ)	55.0

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): 500

VSWR: 1.05+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): 375

DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 1500

I.R. (MEGOHMS MIN): 5,000

RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 1000

CONTACT RESISTANCE (MILLIOHMS MAX):

CENTER CONTACT:	3.0
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

Labels: DIELECTRIC CENTER CONTACT, HOUSING, CLAMP NUT .312 [7.92] HEX, CABLE (CUSTOMER SUPPLIED), INNER SLEEVE.

Dimensions: .713 [18.11] (total length), .312 [7.92] HEX (clamp nut diameter), .250-36 UNS-2A (thread).

DESIGNED TO USE RG-402/U OR EQUIVALENT CABLE ENTRY DIAMETER MIN

HOUSING:	N/A
CONTACT:	.040 [1.02]
CLAMP NUT:	N/A
SLEEVE:	.145 [3.68]
-	-

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: SEE TABLE
FINISH: SEE TABLE

DWN	J. KAISER	10/09/02	<p>Tyco Electronics Corporation Harrisburg, PA 17105</p>					
CHK	J. LIPPERT	11-20-02						
APVD	J. LIPPERT	11-20-02						
PRODUCT SPEC	-							
APPLICATION SPEC	408-4837		NAME	SMA STRAIGHT CABLE JACK-SOLDER CLAMP ATTACHMENT (M39012/81-3008) CAT E				
WEIGHT	TBD	SCALE	A2	00779	DRAWING NO	1050931	RESTRICTED TO	-
CUSTOMER DRAWING			SCALE	5:1	SHEET	1 OF 1	REV	0

1050931-1
PART NO.

AMP 1471-9 REV 31MAR2000

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