



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488
DIELECTRIC	PTFE FLUORCARBON PER ASTM-D-1457	
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, CONDITION H	GOLD PLATED PER ASTM-B-488

ENVIRONMENTAL	
TEMPERATURE RATING:	-65°C TO +105°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 125°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) N/A TORQUE (IN-OZ): N/A
CENTER CONTACT CAPTIVATION:	AXIAL (LBS): 6.0 MIN RADIAL (IN-OZ): 4.0 MIN

ELECTRICAL	
NORMAL IMPEDANCE (OHMS):	50
FREQUENCY RANGE (GHz):	DC TO 18
VOLT RATING @ SEA LEVEL (VRMS MAX):	335
VSWR:	N/A
INSERTION LOSS: (dB MAX):	N/A
RF LEAKAGE (dB MIN):	N/A
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: N/A

Side view of the SMA straight PCB jack. Dimensions include a total length of .375 [9.53], a contact length of .125±.010, and a contact diameter of .065 [1.65]. The housing is labeled as HOUSING and the contact as CONTACT. A .250-36 UNS-2A screw is shown at the bottom left. The contact diameter is also specified as  $\phi .050 \pm .001$  [1.27±0.03].

Top view of the SMA straight PCB jack. Dimensions include a square housing side length of .250 SQ [6.35] 2 PLC, a contact spacing of .200±.002 [5.08±0.05] TYP, and a contact diameter of .100±.008 [2.54±0.20] TYP. The dielectric is labeled as DIELECTRIC and the contact diameter is also specified as .060 [1.54] MAX 4 PLC.

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X0	A	REV PER ECO 05-1266	4-20-05	CT FB

1053374-1  
PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	10/10/02	AMP Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	J. KAISER	NAME	SMA STRAIGHT PCB JACK (M39012/93-3002)
INCHES [mm]	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 [0.13] 4 PLC ± - ANGLES ± -	APVD	J. LIPPERT	SIZE	A2
MATERIAL	FINISH	PRODUCT SPEC	J. LIPPERT	CAGE CODE	00779
SEE TABLE	SEE TABLE	APPLICATION SPEC	—	DRAWING NO	C=1053374
		WEIGHT	TBD	RESTRICTED TO	—
		CUSTOMER DRAWING		SCALE	10:1
				SHEET	1 OF 1
				REV	A

AMP 1471-9 REV 31MAR2000

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