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!

Contact us

PA32-32(Z) Data Sheet
32 pin PLCC socket/32 pin DIP 0.6" plug
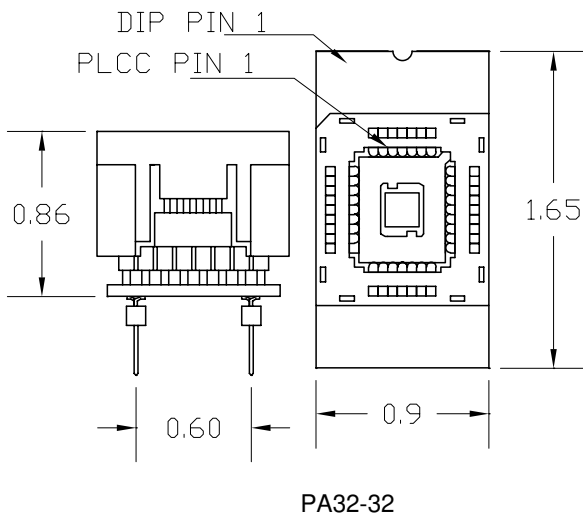
Supported Device/Footprints

This adapter allows programming of many 32 pin PLCC, CLCC and LCC devices in their 32 pin DIP footprint.

The CLCC package has J leads. The LCC package is leadless. Both packages are ceramic. The LCC package is supported by the PA32-32Z when a shim is used. See the LCC Package Support section.
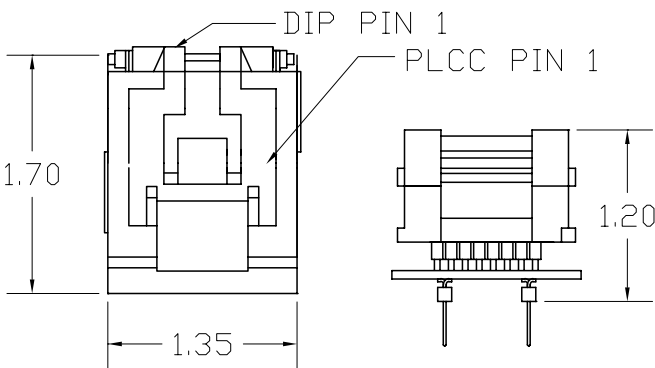
The following devices are supported using the indicated footprint.
Generic: 27x010, 27x020, 27x040, 27x080, 27x101, 27x201, 27x401, 29F100

Footprint: Same device 32DIP 0.6"

Adapter Dimensions

PA32-32

PA32-32Z

Adapter Construction

The adapter is made up of 2 sub-assemblies. They assemble via connectors making the adapter modular. This way the sub-assemblies can be replaced when they wear out.

When disassembling the adapter take care not to bend the pins. When reassembling the adapter note the pin 1 indicators to align the parts correctly.

The following chart shows the various socket and board part numbers that make up these adapters.

Adapter	Socket	Board
PA32-32	32-309	PA32-32 Ver D
PA32-32Z	32-453	PA32-32Z Ver C

Test Sockets

LSC #	Style	Mfgr/Pn
32-309	Auto-Eject	Yamaichi IC120-0324-309
32-453	Lidded ZIF	Yamaichi IC51-0324-453

Adapter Wiring

This adapter is wired 1 to 1. The following chart shows the connections from the PLCC device to the adapters DIP plug.

DEVICE	PLUG	PLUG	DEVICE
1	1	32	32
2	2	31	31
3	3	30	30
4	4	29	29
5	5	28	28
6	6	27	27
7	7	26	26
8	8	25	25
9	9	24	24
10	10	23	23
11	11	22	22
12	12	21	21
13	13	20	20
14	14	19	19
15	15	18	18
16	16	17	17

LCC (Leadless) package support

The test socket on the PA32-32Z can accommodate the LCC package. A shim must be used to make up the difference in thickness between the PLCC and LCC packages. The shim can be ordered using part number **SHIM32-453** or it can be made.

The shim should be between 0.023" and 0.030" thick and cut to a size of 3/8" by 5/8". It should be affixed to the inside of the cover of the socket. Test close the socket, without a device, to confirm the shim does not interfere with the interlocking parts of the socket.