PA51-44(Z) Data Sheet

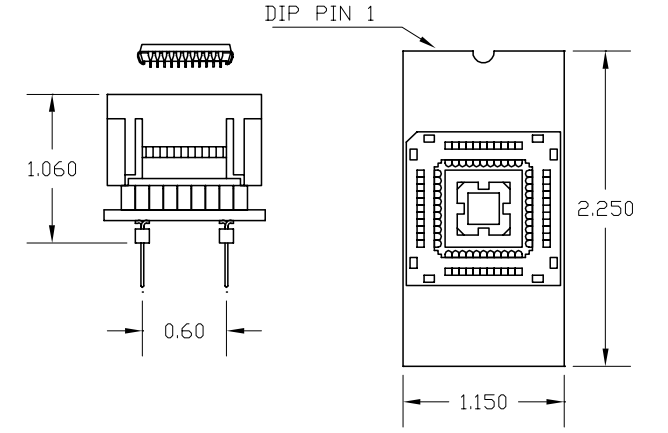
44 pin PLCC socket/40 pin DIP 0.6” plug

Supported Device/Footprints

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

Device			Footprint	
Mfgr	Device	Package	Device	Plug
Several	8748	PLCC	8748	40 Pin DIP
"	8749	"	8749	"
"	8751H	"	8751H	"
"	87C51	"	87C51	"
"	87C52	"	87C52	"
"	87C51-FA	"	87C51-FA	"
"	87C51-FB	"	87C51-FB	"
"	87C51-FC	"	87C51-FC	"
"	87C528	"	87C528	"
"	87C652	"	87C652	"
"	87C654	"	87C654	"
"	AT89C51	"	AT89C51	"

Adapter Dimensions



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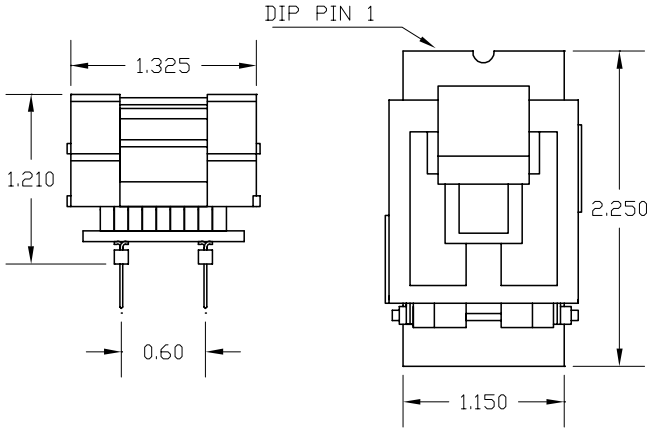

PA51-44Z

Adapter Parts & Part Numbers

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

Adapter	Test Socket	Circuit Board
PA51-44	44-306	PA51-PD
PA51-44Z	44-400	PA51-PDZ

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.

Test Socket

PLCC Auto-Eject test socket:
Yamaichi Part #: IC120-0444-306 LSC Part #: 44-306
ZIF Lidded socket:
Yamaichi Part #: IC51-0444-400 LSC Part #: 44-400

PA51-PD(Z)

Accepts the test socket and remaps the signals to the DIP plug.

Adapter Wiring

The following chart shows the connections from the PLCC device to the adapter’s DIP plug.

DEVICE	SIGNAL	PLUG	PLUG	SIGNAL	DEVICE
1	NC			NC	23
2	P1.0	1	21	P2.0	24
3	P1.1	2	22	P2.1	25
4	P1.2	3	23	P2.2	26
5	P1.3	4	24	P2.3	27
6	P1.4	5	25	P2.4	28
7	P1.5	6	26	P2.5	29
8	P1.6	7	27	P2.6	30
9	P1.7	8	28	P2.7	31
10	RST	9	29	PSEN-	32
11	P3.0	10	30	ALE/PROG-	33
12	NC			NC	34
13	P3.1	11	31	EA-/Vpp	35
14	P3.2	12	32	P0.7	36
15	P3.3	13	33	P0.6	37
16	P3.4	14	34	P0.5	38
17	P3.5	15	35	P0.4	39
18	P3.6	16	36	P0.3	40
19	P3.7	17	37	P0.2	41
20	XTAL1	18	38	P0.1	42
21	XTAL2	19	39	P0.0	43
22	Vss	20	40	Vcc	44

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