

PA550-PD(Z) Data Sheet

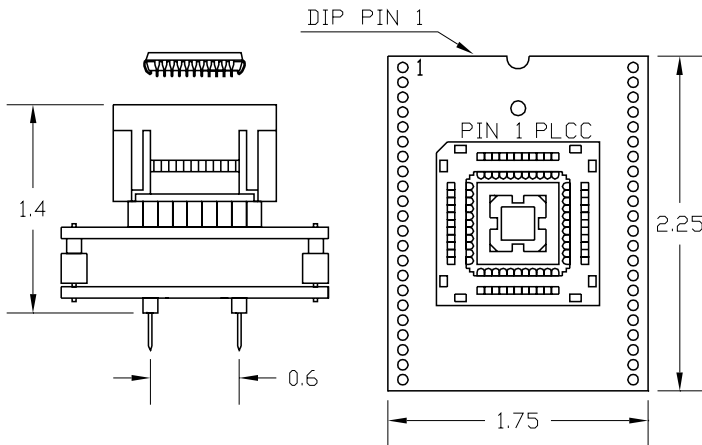
44 pin PLCC socket /40 pin DIP 0.6" plug

Supported Device/Footprints

This adapter allows programming of the Philips 87C550 device in PLCC package on DIP programmers that support the device.

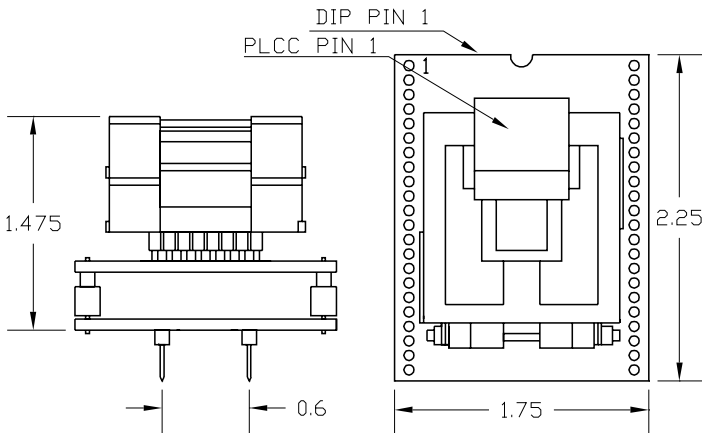
Mfgr	Device		Programmer	
	Device	Package	Device	Plug
Philips	87C550	PLCC	87C550	40 Pin DIP

Adapter Dimensions



Press rim to open socket, Press device to close

PA550-PD



PA550-PDZ

Adapter Parts & Part Numbers

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

Adapter	Test Socket	Top Board	Bottom Board
PA550-PD	44-106 or 44-306	44PL2-1 or 44PL2-3	550BASE-2
PA550-PDZ	44-400	44PL2-Z	550BASE-2

Adapter Construction

The adapter is made up of 3 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 #: IC 120-0444-106 LSC Part #: 44-106

Yamaichi Part #: IC 120-0444-306 LSC Part #: 44-306

ZIF Lidded socket:

Yamaichi Part #: IC 51-0444-400 LSC Part #: 44-400

44PL2-1, -3, -Z

Accepts the test socket and connects to the bottom board.

550BASE-2

Performs the wiring shown in the Adapter Wiring section.

Adapter Wiring

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

PLCC DEVICE	SIGNAL	DIP DEVICE	DIP DEVICE	SIGNAL	PLCC DEVICE
1	Vcc	1	40	Vcc	44
2	Vcc	1	39	P.0	43
3	Gnd	2	38	P0.1	42
4	Gnd	2	37	P0.2	41
5	10K	3	36	P0.3	40
6	10K	4	35	P0.4	39
7	P1.2	5	34	P0.5	38
8	P1.3	6	33	P0.6	37
9	P1.4	7	32	P0.7	36
10	P1.5	8	31	Vpp	35
11	P1.6	N/C	30	PROG	34
12	P1.7	N/C	29	PSEN	33
13	RESET	9	28	P2.7	32
14	P3.0	10	27	P2.6	31
15	P3.1	11	26	P2.5	30
16	P3.2	12	25	P2.4	29
17	P3.3	13	24	P2.3	28
18	P3.4	14	23	P2.2	27
19	P3.5	15	22	P2.1	26
20	P3.6	16	21	P2.0	25
21	P3.7	17	20	GND	24
22	X2	18	19	X1	23



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