PA51/550-DP(-PP) Data Sheet
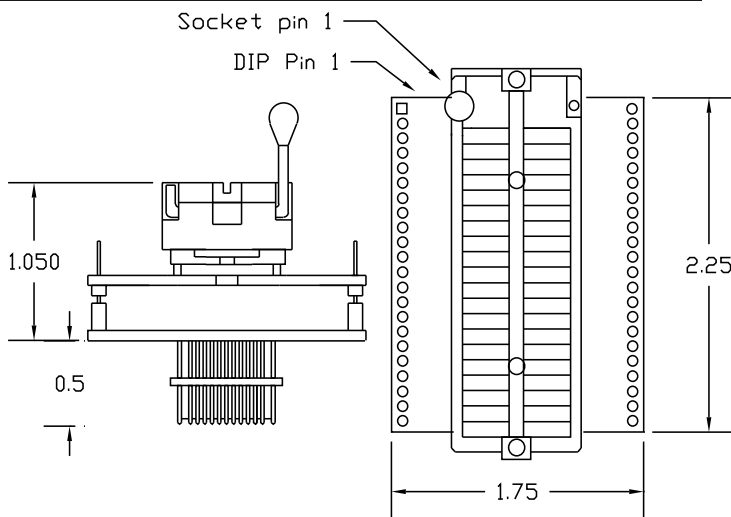## 40 pin DIP ZIF socket/44 pin PLCC plug

Supported Device/Footprints

The PA51/550-DP adapter accepts 40 pin DIP devices and plugs into 44 pin PLCC production sockets. This allows DIP devices, or emulators with DIP plugs, to be used during development of PLCC based products.

The PA51/550-DP-PP adapter has only a 40 pin production socket on the top board. No DIP ZIF socket.

Mfgr	Socket Device	Package	Plug Device	Plug
Many	87C51	40 pin DIP	87C550	44 pin PLCC

Adapter Dimensions

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
  Aries Part #: 40-6554-11   LSC Part #: 40ADZ

The PA51-DP-PP has a 40 pin production socket only.

550BASE-DIP
Accepts the test socket and connects to the the bottom board.

44PLUG
Connects to the top board and remaps the pins to the PLCC plug.

Adapter Wiring

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

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

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