

# PA2500-PD(Z) Data Sheet

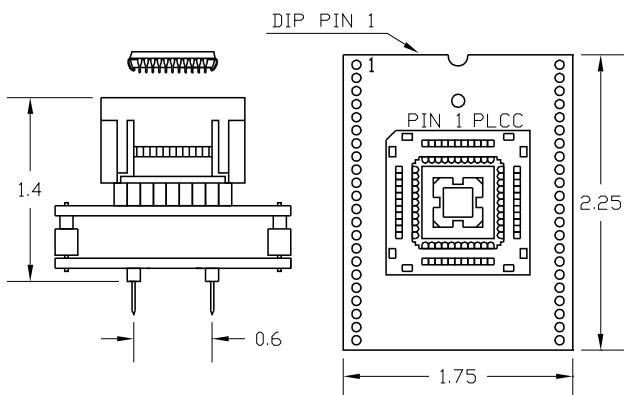
44 pin PLCC socket/40 pin DIP 0.6" plug

## Supported Device/Footprints

Using this adapter, the Atmel ATV2500 in either PLCC or CLCC package can be programmed on 40 pin DIP programmers.

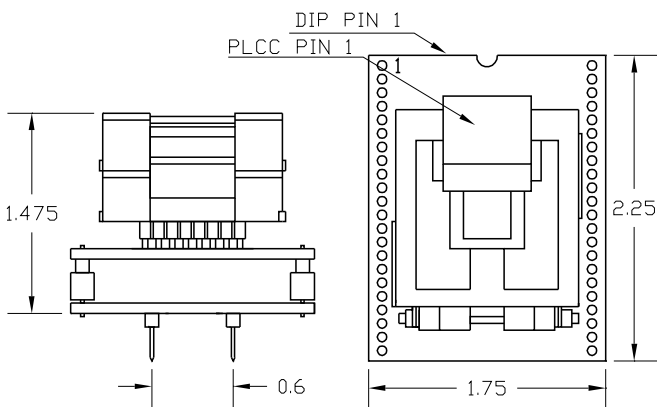
Device			Footprint	
Mfgr	Device	Package	Device	Plug
Atmel	ATV2500	PLCC, CLCC	ATV2500	40 pin DIP

## Adapter Dimensions



Press rim to open socket, Press device to close

### PA2500-PD



### PA2500-PDZ

## Adapter Parts & Part Numbers

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

Adapter	Socket	Top Board	Bottom Board
PA2500-PD	44-106 or 44-306	44PL2-1 or 44PL2-3	44-40-13
PA2500-PDZ	44-400	44PL2-Z	44-40-13

## 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 #: IC120-0444-106 LSC Part #: 44-106  
Yamaichi Part #: IC120-0444-306 LSC Part #: 44-306

PLCC Lidded ZIF socket:

Yamaichi Part #: IC51-0444-400 LSC Part #: 44-400

### 44PL2-1, -3 or -Z

Accepts the test socket and connects to the bottom board.

### 44-40-13

Performs the wiring shown in the Adapter Wiring section

## 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	IN	1	40	IN	44
2	IN	2	39	IN	43
3	IN	3	38	IN	42
4	N/C	-	37	IN	41
5	I/O0	4	36	I/O6	40
6	I/O1	5	35	I/O7	39
7	I/O2	6	34	I/O8	38
8	I/O3	7	33	I/O9	37
9	I/O4	8	32	I/O10	36
10	I/O5	9	31	I/O11	35
11	VCC	10	30	GND	34
12	VCC	10	30	GND	33
13	I/O17	11	29	I/O23	32
14	I/O16	12	28	I/O22	31
15	I/O15	13	27	I/O21	30
16	I/O14	14	26	I/O20	29
17	I/O13	15	25	I/O19	28
18	I/O12	16	24	I/O18	27
19	IN	17	-	N/C	26
20	IN	18	23	IN	25
21	IN	19	22	IN	24
22	IN	20	21	IN	23

VCC to GND .1uf bypass Skip: PLCC pins 4, 12, 26, 34  
Short: PLCC pins 11-12(VCC), 33-34(GND)

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PA2500-PD Data Sheet  
Doc: 2500-PD.DOC  
Rev 1/28/97  
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