PA2500-44(Z)-BP Data Sheet

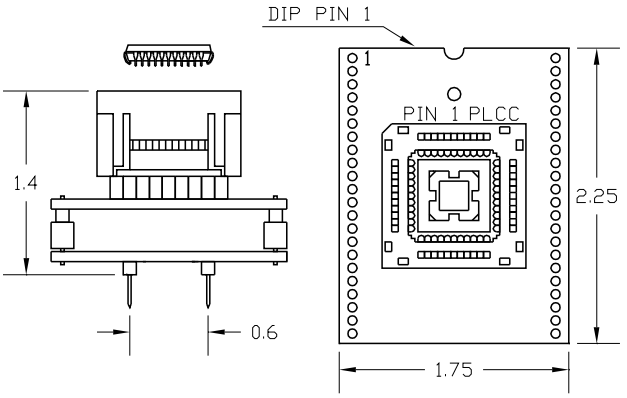
44 pin PLCC socket/28 pin DIP 0.6” plug

Supported Device/Footprints

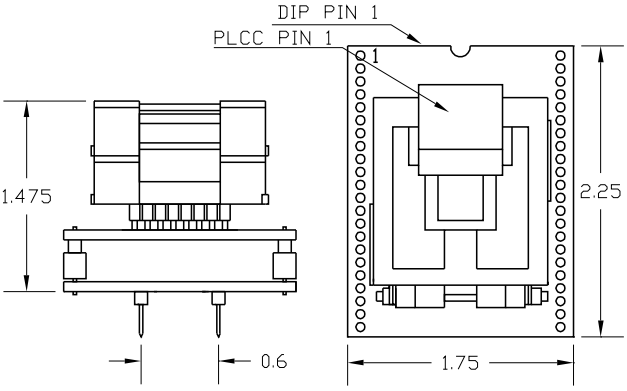
Using the PA2500-44(Z)-BP, the Atmel ATV2500 in PLCC or CLCC package can be programmed on the BP Microsystems CP1128 programmer.

Device			Footprint	
Mfgr	Device	Package	Programmer	Socket
Atmel	ATV2500	PLCC, CLCC	BP Microsystems CP1128	28 pin DIP

Adapter Dimensions



PA2500-44-BP28



PA2500-44Z-BP28

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
PA2500-44-BP	44-106 *or* 44-306	44PL2-1 *or* 44PL2-3	44-40-13-CP1128
PA2500-44Z-BP	44-400	44PL2Z	44-40-13-CP1128

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

ZIF Lidded 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-CP1128

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.

PIN	SIGNAL	CP1128	CP1128	SIGNAL	PIN
1	IN	1	28	IN	44
2	IN	2	26	IN	43
3	IN	3	25	IN	42
4	N/C	-	24	IN	41
5	I/O0	-	-	I/O6	40
6	I/O1	4	23	I/O7	39
7	I/O2	-	-	I/O8	38
8	I/O3	5	22	I/O9	37
9	I/O4	-	-	I/O10	36
10	I/O5	6	21	I/O11	35
11	VCC	28	14	GND	34
12	VCC	28	14	GND	33
13	I/O17	7	-	I/O23	32
14	I/O16	-	-	I/022	31
15	I/O15	8	19	I/O21	30
16	I/O14	-	-	I/O20	29
17	I/O13	9	18	I/O19	28
18	I/O12	-	-	I/O18	27
19	IN	10	-	N/C	26
20	IN	11	17	IN	25
21	IN	12	16	IN	24
22	IN	13	15	IN	23

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