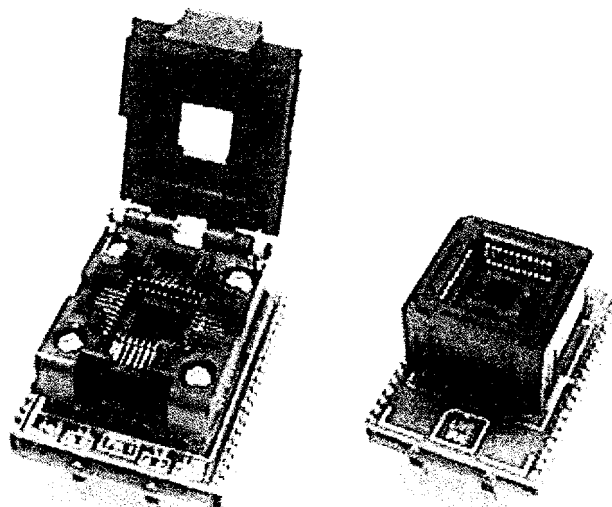


479-858



# PRODUCT DATA SHEET



## AD44 and AD60

### Package Converters for Word Wide EPROMs (PLCC)

Product Code	Pins on skt	Pins on Base	Wiring Code	Package	Base pitch"	Miscellaneous
AD44	44	40	08	P	.6	Clamshell
Product Code	Pins on skt	Pins on Base	Wiring Code	Package	Base pitch"	Miscellaneous
AD60	44	40	08	P	.6	Eject

### For use on the following programmers

- ☐ Any programmer capable of programming 40 pin DIL version of same EPROM device

### Device types

- ☐ AMD
  - ☐ 27C1024, 27C2048, 27C4096
- ☐ Atmel
  - ☐ 27C516, 27HC1024, 27C4096
- ☐ Catalyst
  - ☐ 27C210
- ☐ Fujitsu
  - ☐ 27C1024
- ☐ Hitachi
  - ☐ 27C1024, 27C4096
- ☐ Intel
  - ☐ 27C210, 27C220, 27C240

- ☐ National
  - ☐ 27LV210, 27C210, 27C240, 27P210
- ☐ Philips
  - ☐ 27C210
- ☐ ST
  - ☐ 27C1024, 27C4002, 27C516, 28F102
- ☐ TI
  - ☐ 27C210A, 27PC240, 28F210
- ☐ Waferscale
  - ☐ 27C210L, 57C257

### Device package: *44 pin PLCC*

Note: AD44 may also be used with windowed LCC devices by using a suitable packing shim. Contact sales office for details. AD60 is PLCC only.

### Programmer socket: *40 pin DIL*

#### Socket Specification:

##### Insertions:

- ☐ AD44: 10000-25000
- ☐ AD60: 10000

##### Replaceable: Yes

**General:** This range of package converters is manufactured in England to the highest standards by MQP Electronics. Every adapter sold is tested using an actual device. Our distributors should have no difficulty in supplying you quickly with any item. Specifications of our adapters can be found on our Web Site ([www.mqp.com](http://www.mqp.com))

If you have any difficulty in identifying the correct converter our sales office will be pleased to advise. Our phone number is +44 1666 825 666.

#### Connections:

44 Pin PLCC Socket	Signal Name	40 Pin DIL BASE	Comments
1	nc	-	
2	VPP	1	
3	\CE	2	
4	D15	3	
5	D14	4	
6	D13	5	
7	D12	6	
8	D11	7	
9	D10	8	
10	D9	9	

11	D8	10
12	GND	11
13	nc	-
14	D7	12
15	D6	13
16	D5	14
17	D4	15
18	D3	16
19	D2	17
20	D1	18
21	D0	19
22	\OE	20
23	nc	-
24	A0	21
25	A1	22
26	A2	23
27	A3	24
28	A4	25
29	A5	26
30	A6	27
31	A7	28
32	A8	29
33	nc	-
34	GND	30
35	A9	31
36	A10	32
37	A11	33
38	A12	34
39	A13	35
40	A14	36
41	A15	37
42	A16	38
43	\PGM	39
44	VCC	40

Fitted capacitors need not normally be modified but the following information is provided to assist our customers in special technical situations:

1. A capacitor (eg 10nF) is normally fitted to position C2 to bypass VPP supply.
2. A capacitor (eg 10nF) is normally fitted to position C1 to bypass VCC supply.

## **Other References**

AD44: 479-858

AD60: -

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