

# CIC-48TS-40D-A6-WEL-S

48-Lead TSOP to a 40-Pin DIP

9/97

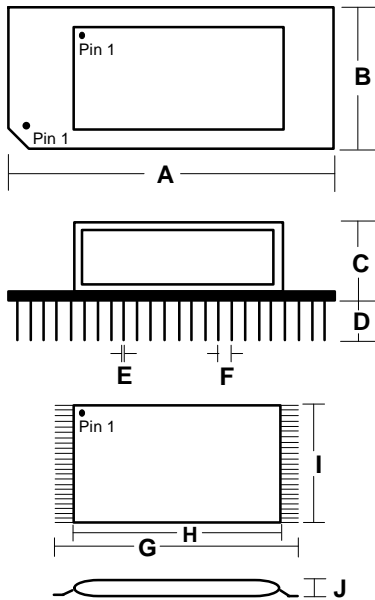
**TSOP DEVICES:** (EXAMPLES)

E28F200CV / B5  
E28F400CE / CV / B5

**SOCKET:** Wells 648-0482211-A31

<u>PRICING:</u>	<u>QTY</u>	<u>PRICE EACH</u>
	1-4	\$190.00
	5-9	\$171.00
	10-24	\$161.50
	25-49	\$142.50

**TYPICAL DIMENSIONS:** (Drawings not to scale)



DIMENSION	MM	INCH
A	62.23	2.450
B	25.40	1.000
C	17.78	0.700
D Pin Length	10.16	0.400
E Pin Diameter	0.64	0.025
F Pin Spacing	2.54	0.100
ROW SPACING	15.24	0.600
G	20.00	0.787
H	18.40	0.724
I	12.00	0.472
J	1.20	0.047
PITCH	0.50	0.020

**PIN CONFIGURATION:**

<u>BASE</u> <u>40-Pin DIP</u>	<u>PIN</u> <u>NAMES</u>	<u>SOCKET</u> <u>48-Lead TSOP</u>
1	RP#, V <sub>PP</sub> <sup>2</sup>	12, 13
2	NC / A <sub>17</sub>	17
3	DQ <sub>15</sub> / A-1	45
4	DQ <sub>14</sub>	43
5	DQ <sub>13</sub>	41
6	DQ <sub>12</sub>	39
7	DQ <sub>11</sub>	36
8	DQ <sub>10</sub>	34
9	DQ <sub>9</sub>	32
10	DQ <sub>8</sub>	30
11	GND (Planes 2 & 5)	27, 46
12	DQ <sub>7</sub>	44
13	DQ <sub>6</sub>	42
14	DQ <sub>5</sub>	40
15	DQ <sub>4</sub>	38
16	DQ <sub>3</sub>	35
17	DQ <sub>2</sub>	33
18	DQ <sub>1</sub>	31
19	DQ <sub>0</sub>	29
20	OE#	28
21	A <sub>0</sub>	25
22	A <sub>1</sub>	24
23	A <sub>2</sub>	23
24	A <sub>3</sub>	22
25	A <sub>4</sub>	21
26	A <sub>5</sub>	20
27	A <sub>6</sub>	19
28	A <sub>7</sub>	18
29	A <sub>8</sub>	8
30	GND (Planes 2 & 5)	27, 46
31	A <sub>9</sub>	7
32	A <sub>10</sub>	6
33	A <sub>11</sub>	5
34	A <sub>12</sub>	4
35	A <sub>13</sub>	3
36	A <sub>14</sub>	2
37	A <sub>15</sub>	1
38	A <sub>16</sub>	48
39	WE#	11
40	V <sub>CC</sub> (Planes 3 & 4)	37
V <sub>CC</sub> or GND Planes	BYTE# <sup>1</sup>	47
V <sub>CC</sub> Planes	WP#	14
GND Planes	CE#	26

**NOTES:**

1. BYTE# (pin 47) can be jumpered to GND (x8) or V<sub>CC</sub> (x16) planes of PC board.
2. RP# (pin 12) is tied to V<sub>PP</sub>
  - NC (pins 9, 10 & 15) & NC/ A<sub>18</sub> (pin 16) are not connected.
  - Flexible x8 or x16 adapter.
  - Bypass capacitors (Type 1206) may be added between V<sub>CC</sub> planes & GND planes; as required by Programmer Vendor

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