

# CIC-56TS-48D-A6-YAM-S (REV 2)

56-Lead TSOP to a 48-Pin DIP

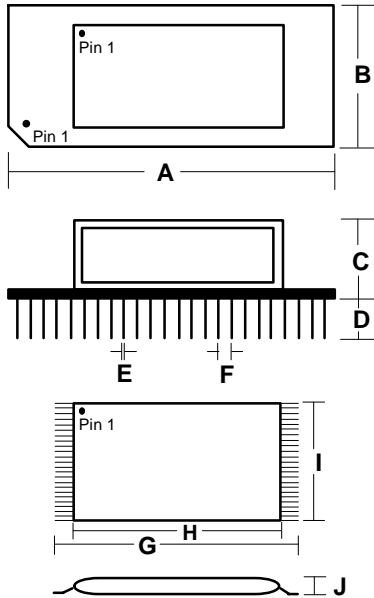
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<b>TSOP DEVICES:</b>	(EXAMPLES)
E28F016SA	
E28F016SV	
DD28F032SA	

<b>SOCKET:</b>	Yamaichi IC191-0562-003N
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<b>PRICING:</b>	QTY	PRICE EACH
	1-4	\$200.00
	5-9	\$180.00
	10-24	\$170.00
	25-49	\$150.00

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



DIMENSION	MM	INCH
A	67.31	2.650
B	25.40	1.000
C	22.86	0.900
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	14.00	0.551
J	1.20	0.047
PITCH	0.50	0.020

**PIN CONFIGURATION:**

BASE 48-Pin DIP	PIN NAMES	SOCKET 56-Lead TSOP
1	3/5#	1
2	RY/BY#	53
3	A <sub>19</sub>	5
4	A <sub>18</sub>	6
5	A <sub>17</sub>	7
6	A <sub>16</sub>	8
7	A <sub>15</sub>	10
8	A <sub>14</sub>	11
9	A <sub>13</sub>	12
10	A <sub>12</sub>	13
11	V <sub>PP</sub>	15
12	CE <sub>0</sub> #	14
13	A <sub>11</sub>	17
14	A <sub>10</sub>	18
15	A <sub>9</sub>	19
16	A <sub>8</sub>	20
17	A <sub>7</sub>	22
18	A <sub>6</sub>	23
19	A <sub>5</sub>	24
20	A <sub>4</sub>	25
21	A <sub>3</sub>	26
22	A <sub>2</sub>	27
23	A <sub>1</sub>	28
24	GND (Planes 2 & 5)	21, 42, 48
25	DQ <sub>0</sub>	33
26	DQ <sub>8</sub>	34
27	DQ <sub>1</sub>	35
28	DQ <sub>9</sub>	36
29	DQ <sub>2</sub>	38
30	DQ <sub>10</sub>	39
31	DQ <sub>3</sub>	40
32	DQ <sub>11</sub>	41
33	DQ <sub>4</sub>	44
34	DQ <sub>12</sub>	45
35	DQ <sub>5</sub>	46
36	DQ <sub>13</sub>	47
37	GND (Planes 2 & 5)	21, 42, 48
38	DQ <sub>6</sub>	49
39	DQ <sub>14</sub>	50
40	DQ <sub>7</sub>	51
41	DQ <sub>15</sub>	52
42	OE#	54
43	WE#	55
44	V <sub>CC</sub> (Planes 3 & 4)	9, 37, 43
45	A <sub>20</sub>	4
46	WP#	56
47	NC / CE <sub>2</sub> # / A <sub>21</sub> <sup>1</sup>	3
48	CE <sub>1</sub> #	2
V <sub>CC</sub> Planes	RP#	16
V <sub>CC</sub> Planes	BYTE#	31

**NOTES:**

- NC (pin 3) on E28F016SV, CE<sub>2</sub># on DD28F032SA
  - Bypass capacitors (Type 1206) may be added between V<sub>CC</sub> planes & GND planes; as required by Programmer Vendor

## CALIFORNIA INTEGRATION COORDINATORS, INC.

(530) 626-6168  
FAX: 626-7740

656 MAIN STREET  
PLACERVILLE, CA 95667

E-mail: [cic@cic-inc.com](mailto:cic@cic-inc.com)  
<http://www.cic-inc.com>