

CIC-56TS-48D-B6-YAM-S (REV 2)

56-Lead TSOP to a 48-Pin DIP

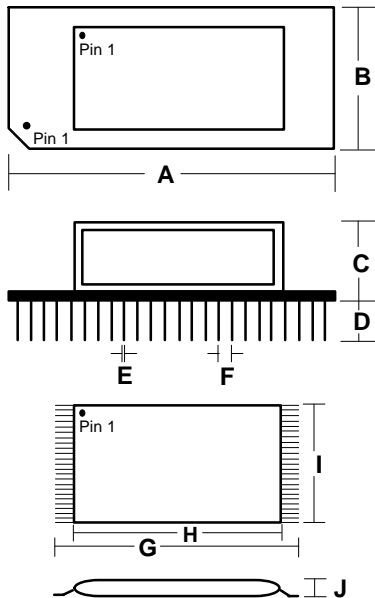
Mar-98

| | |
|---------------------------------|--------------------------|
| TSOP DEVICES: (EXAMPLES) | |
| E28F016XS ^A | E28F320J5 |
| TE28F160S3 / S5 ^B | (TE extended temp range) |

| |
|---|
| SOCKET: Yamaichi IC191-0562-003N |
|---|

| PRICING: | 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 | ADV# ^A / NC ^B | 30 |
| 2 | A ₂₀ | 4 |
| 3 | A ₁₉ | 5 |
| 4 | A ₁₈ | 6 |
| 5 | V _{PP} | 15 |
| 6 | CE ₁ #, CE ₀ # ¹ | 2, 14 |
| 7 | DQ ₁₅ | 52 |
| 8 | DQ ₁₄ | 50 |
| 9 | DQ ₁₃ | 47 |
| 10 | DQ ₁₂ | 45 |
| 11 | DQ ₁₁ | 41 |
| 12 | DQ ₁₀ | 39 |
| 13 | DQ ₉ | 36 |
| 14 | DQ ₈ | 34 |
| 15 | GND, GND _Q (Planes 2 & 5) | 21, 42, 48 |
| 16 | DQ ₇ | 51 |
| 17 | DQ ₆ | 49 |
| 18 | DQ ₅ | 46 |
| 19 | DQ ₄ | 44 |
| 20 | DQ ₃ | 40 |
| 21 | DQ ₂ | 38 |
| 22 | DQ ₁ | 35 |
| 23 | DQ ₀ | 33 |
| 24 | OE# | 54 |
| 25 | A ₁ | 28 |
| 26 | A ₂ | 27 |
| 27 | A ₃ | 26 |
| 28 | A ₄ | 25 |
| 29 | A ₅ | 24 |
| 30 | A ₆ | 23 |
| 31 | A ₇ | 22 |
| 32 | A ₈ | 20 |
| 33 | A ₉ | 19 |
| 34 | GND, GND _Q (Planes 2 & 5) | 21, 42, 48 |
| 35 | A ₁₀ | 18 |
| 36 | A ₁₁ | 17 |
| 37 | A ₁₂ | 13 |
| 38 | A ₁₃ | 12 |
| 39 | A ₁₄ | 11 |
| 40 | A ₁₅ | 10 |
| 41 | A ₁₆ | 8 |
| 42 | A ₁₇ | 7 |
| 43 | WE# | 55 |
| 44 | V _{CC} , V _{CCQ} (Planes 3 & 4) | 9,37,43 |
| 45 | 3/5# ^A / NC ^B | 1 |
| 46 | CLK ^A / NC ^B | 29 |
| 47 | NC | 3 |
| 48 or V _{CC/Q} Planes | WP# ² | 56 |
| V _{CC/Q} Planes | RP# | 16 |
| V _{CC/Q} Planes | BYTE# | 31 |

NOTES:

1. CE₁# (pin 2) and CE₀# (pin 14) are tied together on PC board.
 2. WP# (pin56) can be jumpered to DIP Pin 48 or V_{CC/Q} planes of PCB.
- Bypass capacitors (Type 1206) may be added between V_{CC/Q} planes & GND_Q planes; as required by Programmer Vendor.

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