

CIC-56 μ BGA-40D-A6-YAM

56-Bump μ BGA to a 40-Pin DIP

Mar-98

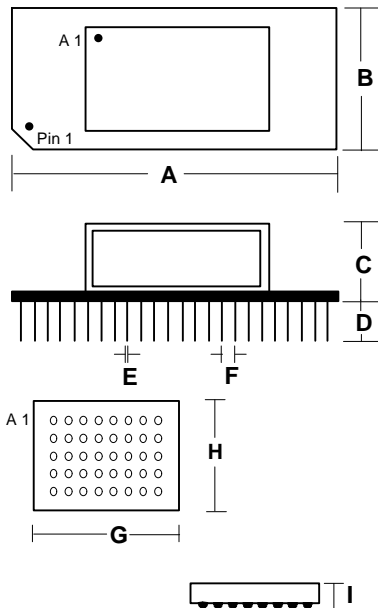
μ BGA DEVICES: (EXAMPLES)

G28F320J5
G28F640J5

SOCKET: Yamaichi NP291-07210-AC08338

| <u>PRICING:</u> | <u>QTY</u> | <u>PRICE EACH</u> |
|------------------------|-------------------|--------------------------|
| | 1-4 | \$300.00 |
| | 5-9 | \$270.00 |
| | 10-24 | \$255.00 |
| | 25-49 | \$225.00 |

TYPICAL DIMENSIONS: (Drawings not to scale)



| <u>DIMENSION</u> | <u>MM</u> | <u>INCH</u> |
|-------------------------|------------------|--------------------|
| A | 53.34 | 2.100 |
| B | 27.94 | 1.100 |
| C | 18.90 | 0.744 |
| 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 | 16.37 | 0.644 |
| H | 7.67 | 0.302 |
| I | 0.94 | 0.037 |
| PITCH | 0.75 | 0.030 |

PIN CONFIGURATION:

| <u>BASE</u> <u>40-Pin DIP</u> | <u>PIN</u> <u>NAMES</u> | <u>SOCKET</u> <u>56-Bump μBGA</u> |
|--|--|---|
| 1 | V _{PP} / V _{PEN} | A5 |
| 2 | A ₂₂ | D1 |
| 3 | A ₂₁ | C2 |
| 4 | NC | F7 |
| 5 | NC / CE2# | F8 |
| 6 | CE1# / CE0# | D2 / A4 |
| 7 | A ₂₀ | C1 |
| 8 | A ₁₉ | B1 |
| 9 | A ₁₈ | D3 |
| 10 | A ₁₇ | B2 |
| 11 | GND/GND _Q (Planes 2 & 5) | A7 / I2 / I5 |
| 12 | DQ ₇ | F3 |
| 13 | DQ ₆ | G3 |
| 14 | DQ ₅ | I3 |
| 15 | DQ ₄ | H4 |
| 16 | DQ ₃ | G5 |
| 17 | DQ ₂ | H6 |
| 18 | DQ ₁ | G6 |
| 19 | DQ ₀ | H8 |
| 20 | OE# | G1 |
| 21 | A ₀ | G8 |
| 22 | A ₁ | D7 |
| 23 | A ₂ | D8 |
| 24 | A ₃ | D6 |
| 25 | A ₄ | B8 |
| 26 | A ₅ | C8 |
| 27 | A ₆ | C7 |
| 28 | A ₇ | B7 |
| 29 | A ₈ | C6 |
| 30 | GND/GND _Q (Planes 2 & 5) | A7 / I2 / I5 |
| 31 | A ₉ | B6 |
| 32 | A ₁₀ | A6 |
| 33 | A ₁₁ | B5 |
| 34 | A ₁₂ | B4 |
| 35 | A ₁₃ | C4 |
| 36 | A ₁₄ | A3 |
| 37 | A ₁₅ | B3 |
| 38 | A ₁₆ | C3 |
| 39 | WE# | F1 |
| 40 | V _{CC} /V _{CCQ} (Planes 3 & 4) | A2 / I7 / I4 |
| V _{CC/Q} Planes | RP# | C5 |
| V _{CC/Q} Planes | WP# / NC | F2 |
| GND/Q Planes | BYTE# | F6 |

NOTES:

- G2, H2, H3, G4, H5, I6, H7, G7 (DQ₁₅ -DQ₈) and H1 (STS) are not connected to DIP Pins.
- Bypass capacitors (Type 1206) may be added between V_{CC} planes & GND planes; as required by Programmer Vendor

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