

CIC-40 μ BGA-40D-A6-YAM

40-Bump μ BGA to a 40-Pin DIP

Mar-98

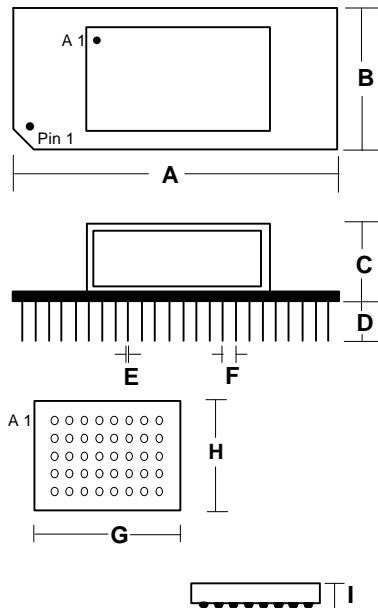
μ BGA DEVICES: (EXAMPLES)

G28F008SC / S3 / S5
G28F016SC / S3 / S5

SOCKET: Yamaichi NP291-04002-G4BF

<u>PRICING:</u>	<u>QTY</u>	<u>PRICE EACH</u>
	1-4	\$250.00
	5-9	\$225.00
	10-24	\$212.50
	25-49	\$187.50

TYPICAL DIMENSIONS: (Drawings not to scale)



<u>DIMENSION</u>	<u>MM</u>	<u>INCH</u>
A	53.34	2.100
B	22.86	0.900
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	7.48	0.294
H	5.74	0.226
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>40-Bump μBGA</u>
1	V _{PP}	A5
2	CE#	B5
3 / 1 ¹	RP#	A6
4	RY#/BY#	C2
5	No Trace	-
6	NC	C4
7	A ₂₀	C1
8	A ₁₉	C3
9	A ₁₈	B1
10	A ₁₇	A1
11	GND (Plane 2)	D4
12	DQ ₇	E2
13	DQ ₆	D2
14	DQ ₅	E3
15	DQ ₄	D3
16	DQ ₃	D5
17	DQ ₂	E6
18	DQ ₁	D6
19	DQ ₀	E7
20	OE#	E1
21	A ₀	D7
22	A ₁	E8
23	A ₂	D8
24	A ₃	C6
25	A ₄	C8
26	A ₅	C7
27	A ₆	B8
28	A ₇	A8
29	A ₈	C5
30	GND (Plane 5)	E5
31	A ₉	A7
32	A ₁₀	B7
33	A ₁₁	B6
34	A ₁₂	A3
35	A ₁₃	B4
36	A ₁₄	B3
37	A ₁₅	A2
38	A ₁₆	B2
39	WE#	D1
40	V _{CC} (Plane 3)	A4
40	V _{CCQ} (Plane 4)	E4

NOTES:

- μ BGA-A6 (RP#) connects to a center jumper post; left post connects to DIP1 (V_{PP}), right post connects to DIP3
- Bypass capacitors (Type 1206) may be added between V_{CC} planes & GND planes; as required by Programmer Vendor

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