

Specifications

As specifications for this product differ by pitch and material-mix, please contact our Sales Department for detailed information.

Insulation Resistance: 1,000M Ω min. at 100V DC, 500V DC
 Dielectric Withstanding Voltage: for 1 minute at 100V AC, 500V AC, 700V AC (Socket Dependent)
 Contact Resistance: 30m Ω max. at 10mA/20mV max.
 Operating Temperature Range: (PEI/PSF) -40°C to +150°C
 (PES) -55°C to +170°C
 (PEI) -55°C to +170°C

Materials and Finish

Housing: Polysulphone (PSF)
 Polyethersulphone (PES)
 Polyetherimide (PEI)
 Contacts: Beryllium Copper (BeCu)
 Plating: Gold over Nickel

Part Number (Details)

IC51 - 208 4 - 1056

Series No.

No. of Contact Pins

Number of Sides with Contacts

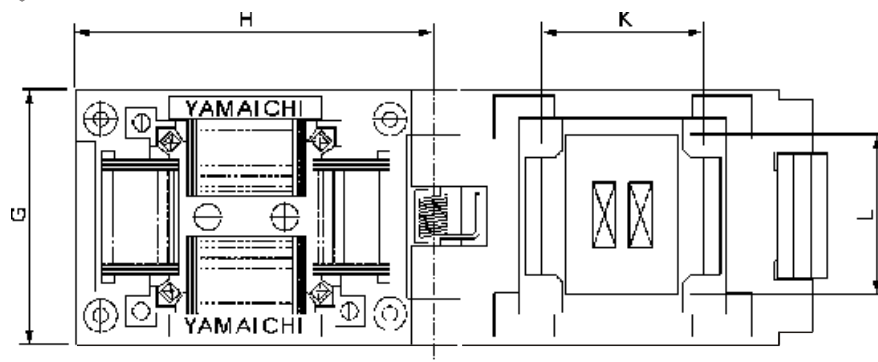
Design Number

Features

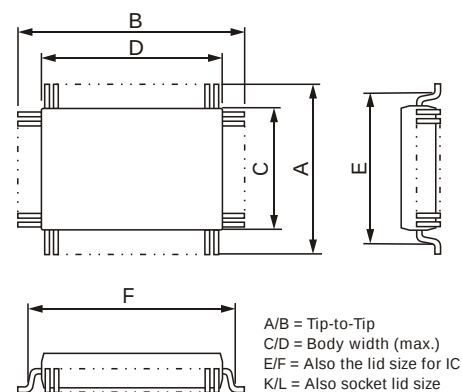
- ⇒ High reliability, durability and temperature range
- ⇒ Custom made also available for high pin count and fine-pitch IC packages

Applicable Socket and IC Outline Dimensions (Reference Only)

Outline Socket Dimensions



Outline IC Dimensions



QFP, PQFP and TQFP (Reference Only)

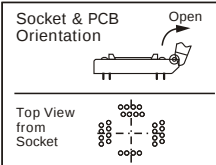
Part Number	Pin Count	Pitch	Body Size	IC Dimensions						Socket Dimensions			
				A	B	C	D	E (max.)	F (max.)	G	H	K	L
IC51-2084-1052-	208	0.5	28 x 28	—	—	28.0	28.0	—	—	52.0	58.0	—	—
IC51-2084-1056	208	0.5	28 x 28	31.6	31.6	28.0	28.0	31.2	31.2	52.0	58.0	31.3	31.3
IC51-2404-1655-2	240	0.5	32 x 32	34.6	34.6	32.0	32.0	33.8	33.8	56.0	62.0	33.8	33.8
IC51-2564-1668	256	0.4	28 x 28	30.6	30.6	28.0	28.0	29.9	29.9	56.0	62.0	30.0	30.0
IC51-2564-1668-10	256	0.4	28 x 28	30.0	30.0	28.0	28.0	29.9	29.9	56.0	62.0	30.0	30.0
IC51-2724-1727	272	0.5	36x 36	40.0	40.0	36.0	36.0	37.5	37.5	58.0	72.0	37.6	37.6
IC51-3044-1471-2	304	0.5	40 x 40	42.6	42.6	40.0	40.0	41.6	41.6	66.0	72.0	41.9	41.9

.KS-xxxxx = modified base socket

* We have many variations of this product. Please contact our sales staff for further details.

IC51 Series (Clamshell)

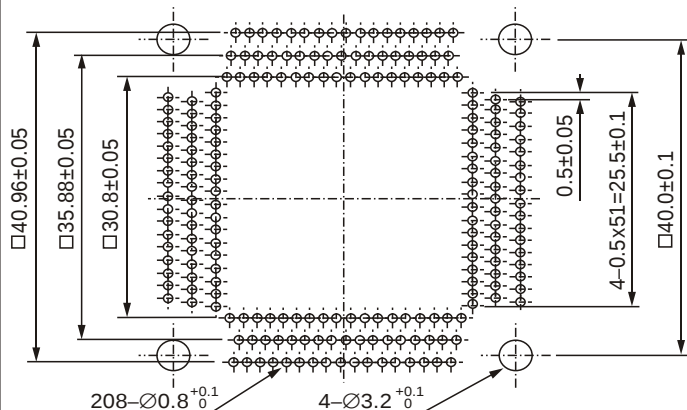
Quad Flat Package (QFP, PQFP, TQFP)



Recommended PCB Layouts (208 to 304 pins)

208 pins

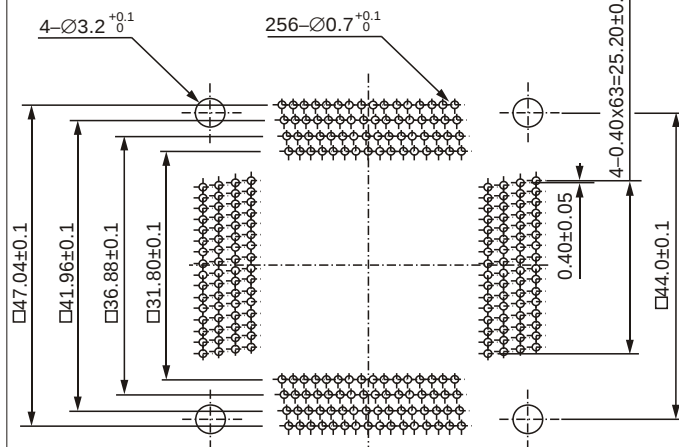
IC51-2084-1052-^{*1)}
IC51-2084-1066



^{*1)} for type: -1, -2, -3, -5, -6, -7, -9 -11 and -36

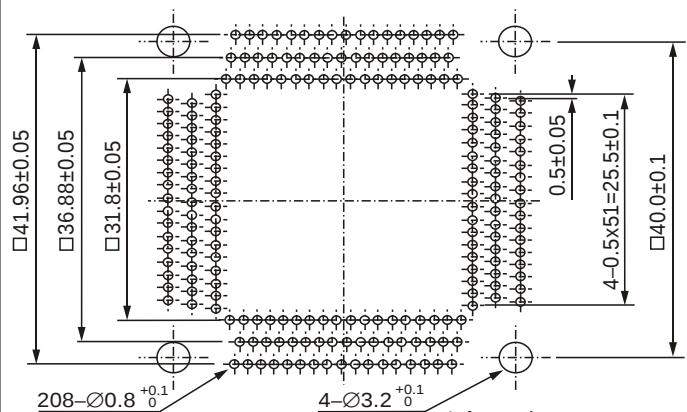
256 pins

IC51-2664-1668
IC51-2664-1668-10



208 pins

IC51-2084-1052-^{*2)}

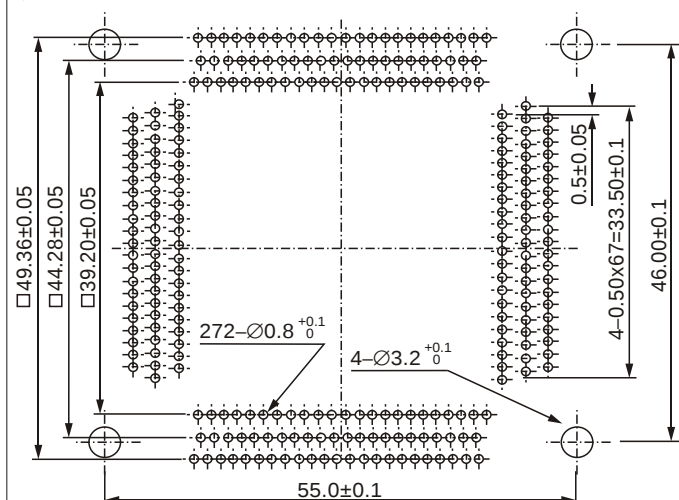


^{*2)} for type: -4, -8 and -13

Information:
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of this product.
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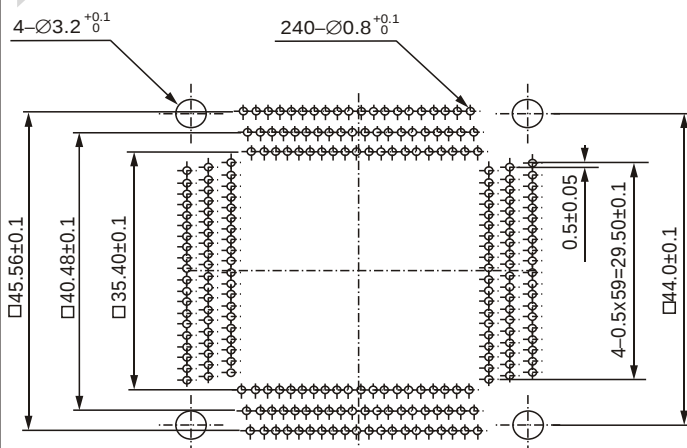
272 pins

IC51-2724-1727



240 pins

IC51-2404-1655-2



304 pins

IC51-3044-1471-2

