

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 - 160 4 - 1350

Series No.

No. of Contact Pins

Number of Sides with Contacts

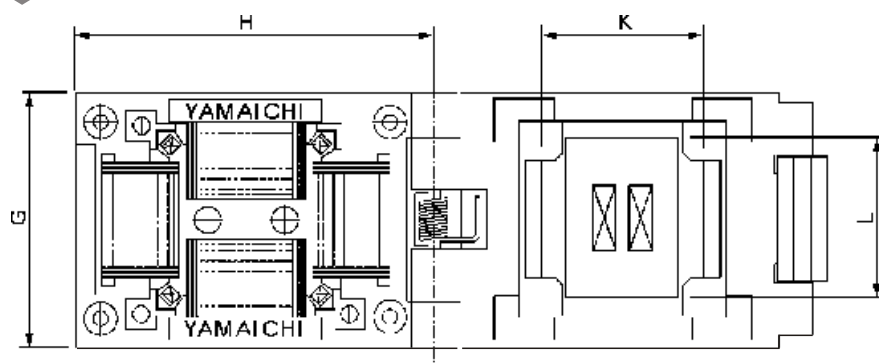
Design Number

Features

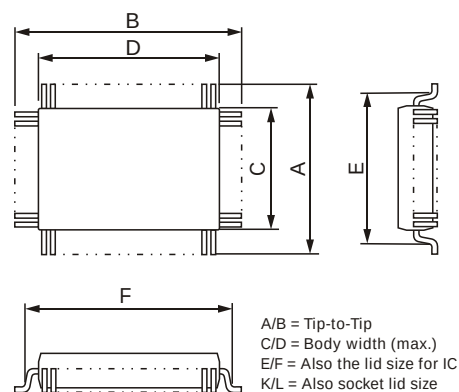
- ⇒ High reliability, durability and temperature range
- ⇒ Custom made also available for high pin count and fine-pitch IC packages

Applicable Socket and IC Outline Dimensions (Reference Only)

Outline Socket Dimensions



Outline IC Dimensions

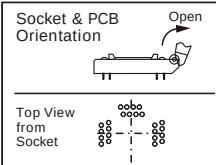


QFP, PQFP and TQFP (Reference Only)

Part Number	Pin Count	Pitch	Body Size	IC Dimensions						Socket Dimensions			
				A	B	C	D	E (max.)	F (max.)	G	H	K	L
IC51-1604-1350	160	0.5	24 x 24	26.0	26.0	24.0	24.0	25.2	25.2	46.0	50.0	25.3	25.3
IC51-1604-845-1	160	0.65	28 x 28	31.9	31.9	28.0	28.0	30.5	30.5	44.0	57.0	30.6	
IC51-1604-845-2	160	0.65	28 x 28	31.6	31.6	28.0	28.0	30.5	30.5	44.0	57.0	30.6	30.6
IC51-1604-845-4	160	0.65	28 x 28	31.2	31.2	28.0	28.0	30.0	30.0	44.0	57.0	30.2	30.2
IC51-1604-926	160	0.65	28 x 28	31.4	31.4	28.0	28.0	30.0	30.0	44.0	57.0	30.2	30.2
IC51-1764-1505	176	0.5	24 x 24	26.0	26.0	24.0	24.0	25.2	25.2	46.0	50.0	25.3	
IC51-1764-1505-5	176	0.5	24 x 24	26.0	26.0	24.0	24.0	25.2	25.2	46.0	50.0	25.3	25.3
IC51-1844-1148-1	184	0.65	32 x 32	35.2	35.2	32.0	32.0	33.7	33.7	56.0	62.0	33.8	33.8
IC51-1844-1541	184	0.65	32 x 32	35.75	35.75	32.0	32.0	34.0	34.0	56.0	62.0	34.1	34.1

IC51 Series (Clamshell)

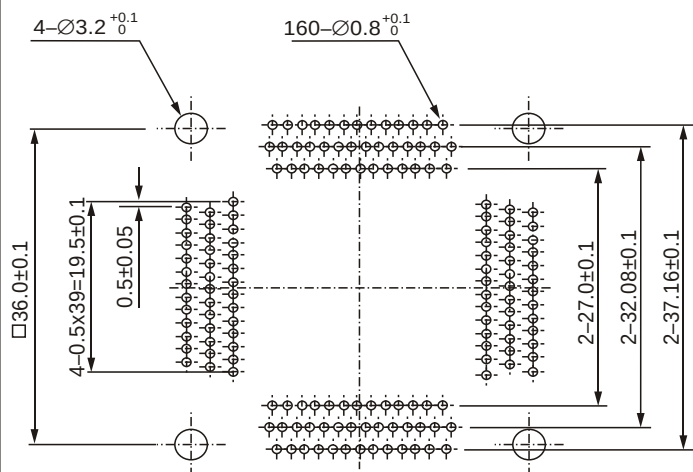
Quad Flat Package (QFP, PQFP, TQFP)



Recommended PCB Layouts (160 to 184 pins)

160 pins

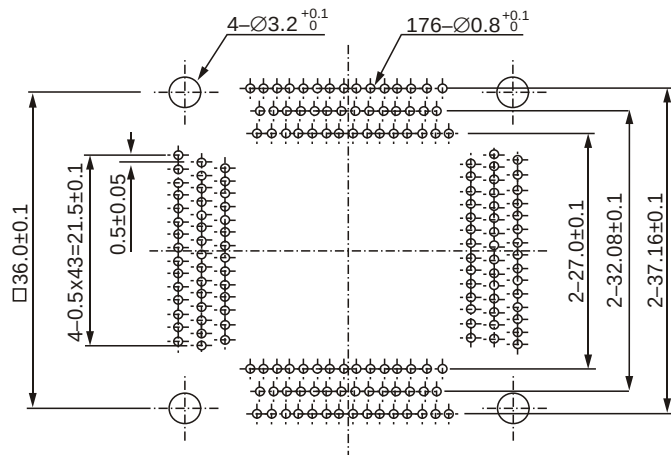
IC51-1604-1350



176 pins

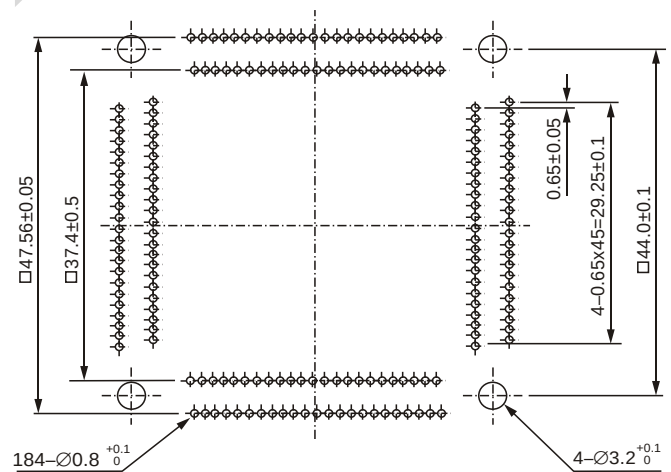
IC51-1764-1505-5

IC51-176-1505



184 pins

IC51-1844-1148-1



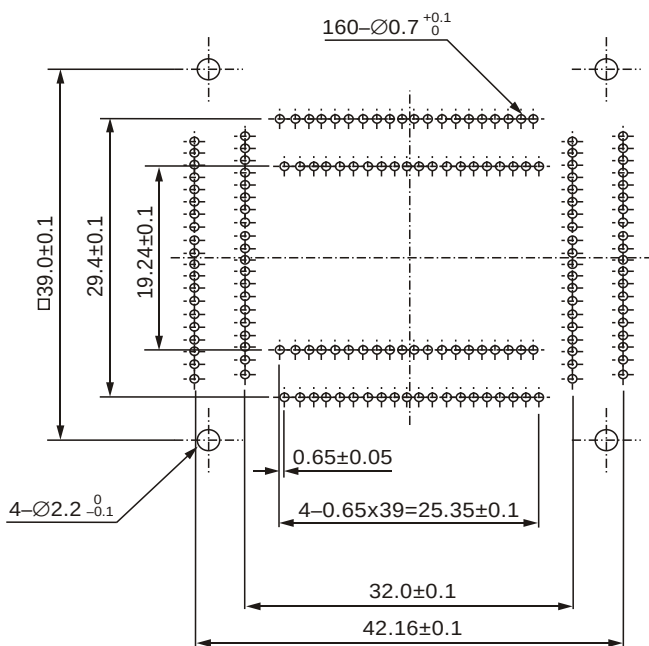
160 pins

IC51-1604-845-1

IC51-1604-845-2

IC51-1604-845-4

IC51-1604-926



184 pins

IC51-1844-1541

