

Specifications

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

Insulation Resistance: 1,000MΩ min. at 100V DC, 500V DC

Dielectric Withstanding Voltage: for 1 minute at 100V AC, 500V AC, 700V AC

Contact Resistance: 30mΩ 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

Mating Cycles 10,000 insertions min.

Materials and Finish

Housing: Polysulphone (PSF)

Polyethersulphone (PES)

Polyetherimide (PEI)

Contacts: Beryllium Copper (BeCu)

Plating: Gold over Nickel

Part Number (Details)

IC51 - 144 4 - 1354

Series No.

No. of Contact Pins

Number of Sides with Contacts

Design Number

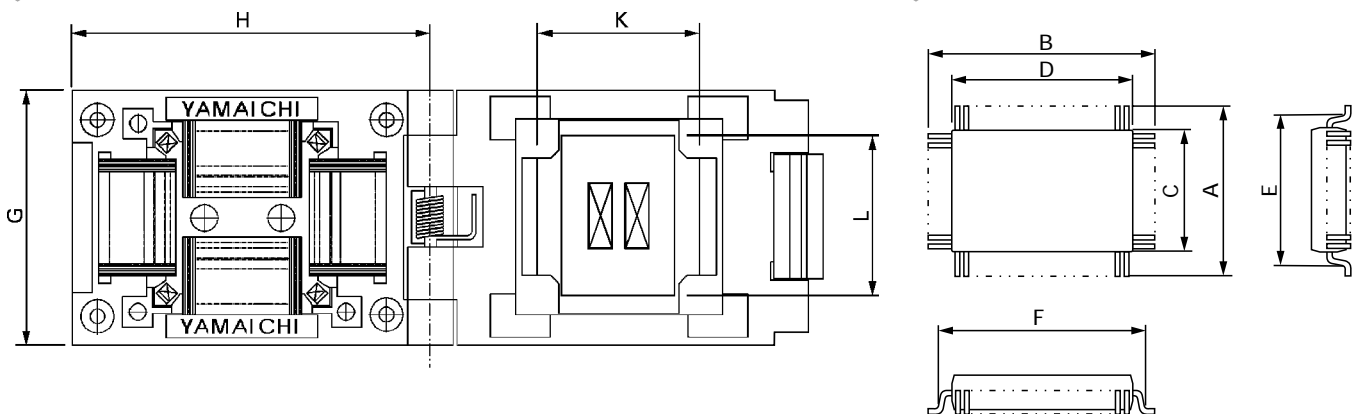
Features

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)

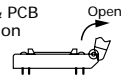
Part Number	Pin Count	Pitch	Body Size	IC Dimensions						Socket Dimensions			
				A	B	C	D	E (max.)	F (max.)	G	H	K	L
IC51-1124-1036-2	112	0.65	20 x 20	23.3	23.3	20.0	20.0	22.0	22.0	34.0	42.5	22.3	22.3
IC51-1124-1036-YED	112	0.65	20 x 20	20.0	20.0	20.0	20.0	22.0	22.0	34.0	42.5	22.0	22.0
IC51-1204-1812	120	0.4	14 x 14	16.0	16.0	14.0	14.0	15.2	15.2	36.0	42.5	15.3	15.3
IC51-1204-1652	120	0.5	16 x 16	18.4	18.4	16.0	16.0	17.5	17.5	40.0	43.0	17.6	17.6
IC51-1204-1646	120	0.8	28 x 28	31.4	31.4	28.0	28.0	30.6	30.6	44.0	57.0	30.6	30.6
IC51-1204-1497	120	0.8	28 x 28	31.2	31.2	28.0	28.0	30.0	30.0	60.0	58.0	30.4	30.4
IC51-1497.KS-11444	120	0.8	28 x 28	31.9	31.9	28.0	28.0	30.5	30.5	60.0	58.0	30.9	30.9
IC51-1284-1433	128	0.5	14 x 20	16.0	22.0	14.0	20.0	15.0	21.0	46.0	43.0	15.2	21.2
IC51-1284-1433-10	128	0.5	14 x 20	17.2	23.19	14.0	20.0	16.4	22.4	46.0	43.0	16.4	22.4
IC51-1284-844-1	128	0.8	28 x 28	31.9	31.9	28.0	28.0	30.5	30.5	44.0	57.0	30.6	30.6
IC51-1284-976-1	128	0.8	28 x 28	31.9	31.9	28.0	28.0	30.5	30.5	44.0	57.0	30.6	30.6
IC51-1284-976-2	128	0.8	28 x 28	31.2	31.2	28.0	28.0	30.0	30.0	44.0	57.0	30.2	30.2
IC51-1444-1354	144	0.5	20 x 20	22.0	22.0	20.0	20.0	21.2	21.2	43.0	47.0	21.3	21.3
IC51-1444-1354-7	144	0.5	20 x 20	22.0	22.0	20.0	20.0	21.3	21.3	43.0	47.0	21.3	21.3
IC51-1354.KS-11590	144	0.5	20 x 20	23.2	23.2	20.0	20.0	22.3	22.3	43.0	47.0	22.3	22.3
IC51-1444-1014	144	0.65	28 x 28	31.2	31.2	28.0	28.0	30.4	30.4	44.0	57.0	30.4	30.4
IC51-1444-1014-3	144	0.65	28 x 28	31.2	31.2	28.0	28.0	30.4	30.4	44.0	57.0	30.4	30.4
IC51-1014.KS-11137	144	0.65	28 x 28	31.9	31.9	28.0	28.0	30.9	30.9	44.0	57.0	30.4	30.4

.KS-xxxxx = modified base socket

IC51 Series (Clamshell)

Quad Flat Package (QFP, PQFP, TQFP)

Socket & PCB Orientation



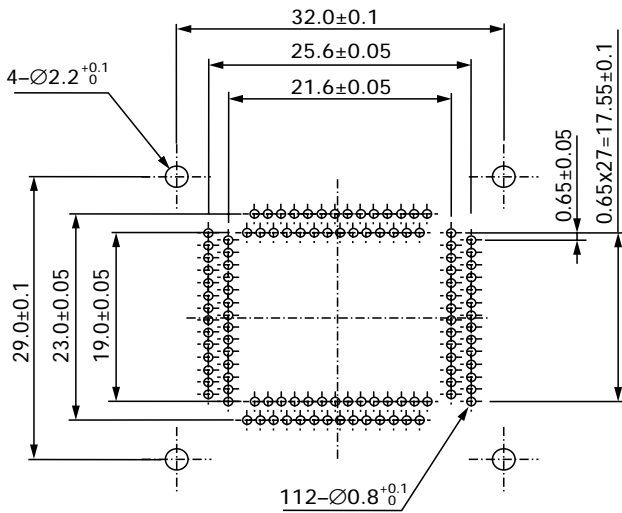
Top View from Socket



Recommended PCB Layouts (112 to 120 pins)

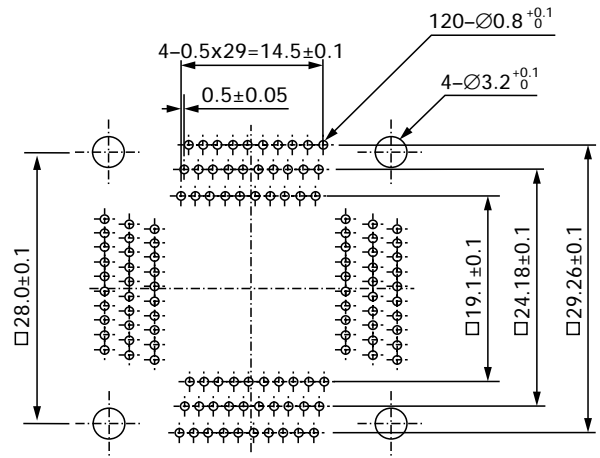
112 pins

IC51-1124-1036-2
IC51-1124-1036-YED



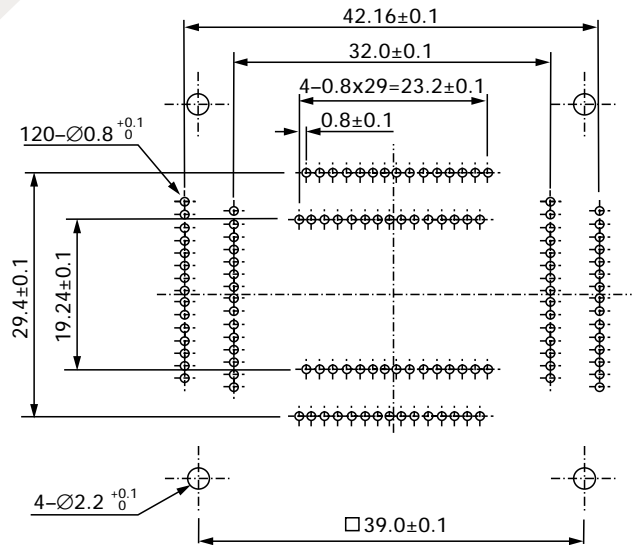
120 pins

IC51-1204-1652



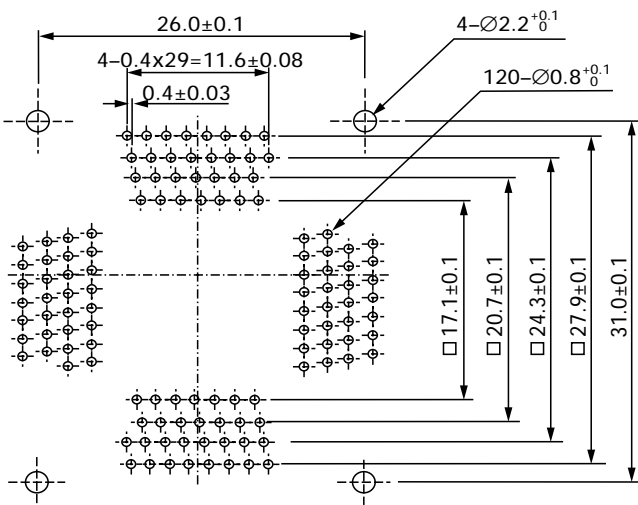
120 pins

IC51-1204-1646



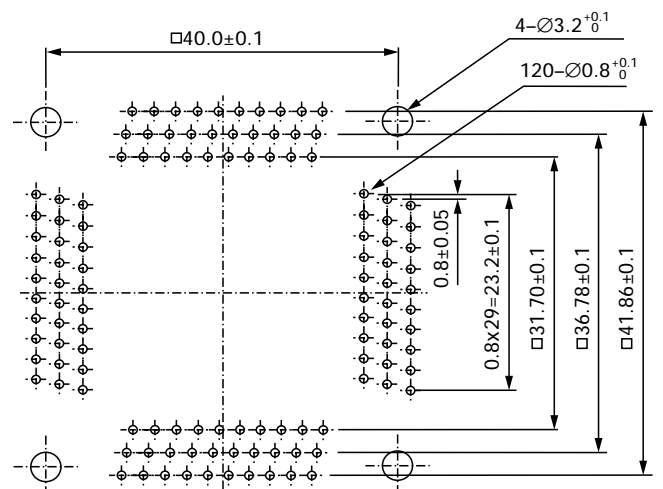
120 pins

IC51-1204-1812



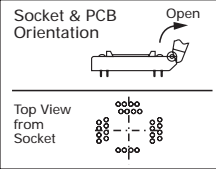
120 pins

IC51-1497.KS-11444
IC51-1204-1497



IC51 Series (Clamshell)

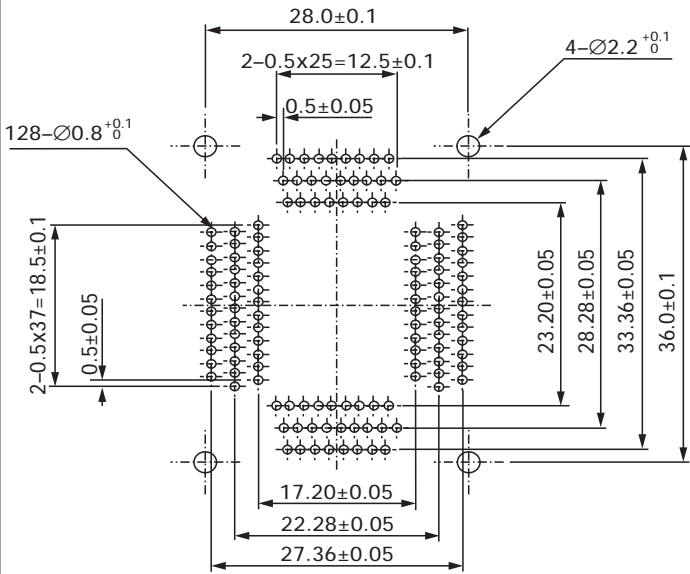
Quad Flat Package (QFP, PQFP, TQFP)



Recommended PCB Layouts (128 to 144 pins)

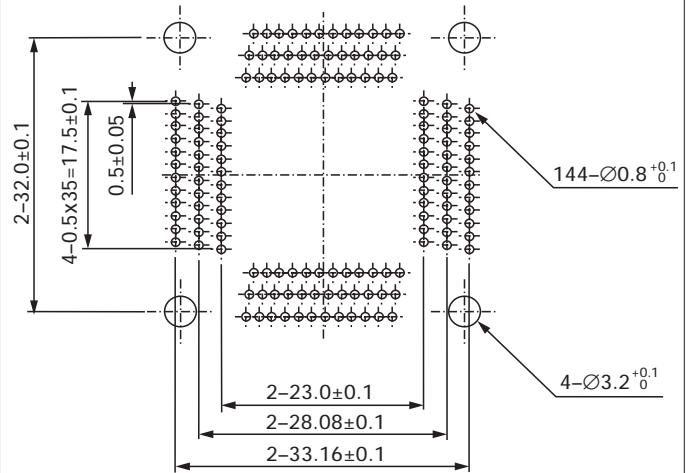
128 pins

IC51-1284-1433-10
IC51-1284-1433



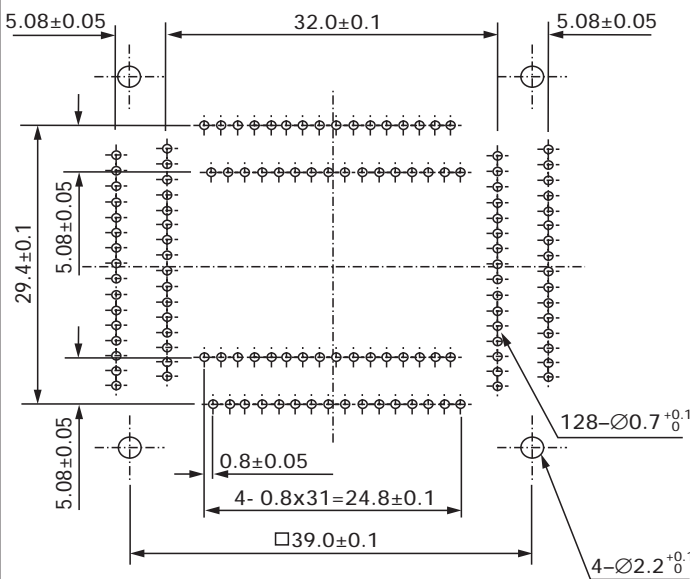
144 pins

IC51-1354.KS-11590
IC51-1444-1354-7
IC51-1444-1354



128 pins

IC51-1284-844-1
IC51-1284-976-1
IC51-1284-976-2



144 pins

IC51-1014.KS-11137
IC51-1444-1014-3
IC51-1444-1014

