

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 - 056 4 - 924

Series No.

No. of Contact Pins

Number of Sides with Contacts

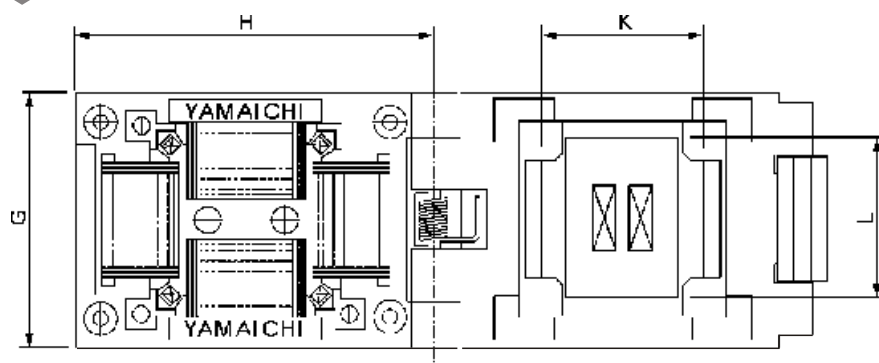
Design Number

Features

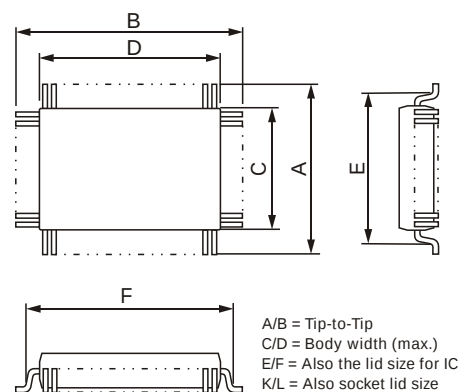
- High reliability, durability and temperature range
- Custom made also available for high pin count and fine-pitch IC packages

Applicable Socket and IC Outline Dimensions (Reference Only)

Outline Socket Dimensions



Outline IC Dimensions



QFP, PQFP and TQFP (Reference Only)

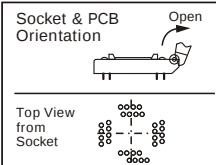
Part Number	Pin Count	Pitch	Body Size	IC Dimensions						Socket Dimensions			
				A	B	C	D	E (max.)	F (max.)	G	H	K	L
IC51-0564-680	56	0.65	10 x 10	13.2	13.2	10.0	10.0	11.8	11.8	34.0	35.5	11.8	11.8
IC51-0564-924	56	0.8	10 x 14	13.2	17.2	10.0	14.0	11.8	15.8	37.0	41.0	11.8	15.8
IC51-0564-790	56	1.0	16 x 20	19.2	23.2	16.0	20.0	17.7	21.8	36.0	46.0	17.7	21.8
IC51-0604-468	60	0.8	14 x 14	17.2	17.2	14.0	14.0	15.8	15.8	38.0	43.0	15.8	15.8
IC51-0604-361	60	0.8	16 x 16	18.3	18.3	16.0	16.0	16.5	16.5	37.0	44.0	16.7	16.7
IC51-0604-497-2	60	1.0	16 x 20	17.9	23.9	16.0	20.0	17.0	23.0	34.0	42.5	17.0	23.0
IC51-0644-807	64	0.5	10 x 10	12.0	12.0	10.0	10.0	11.3	11.3	32.0	35.0	11.3	11.3
IC51-0644-1586	64	0.65	12 x 12	15.3	15.3	12.0	12.0	13.9	13.9	36.0	39.0	13.9	13.9
IC51-0644-1602	64	0.65	12 x 12	14.0	14.0	12.0	12.0	13.1	13.1	20.0	42.0	13.2	13.2
IC51-0644-692-*	64	0.8	14 x 14	14.0	14.0	14.0	14.0	-	-	22.0	26.0	-	-
IC51-0644-824-3	64	0.8	14 x 14	16.2	16.2	14.0	14.0	15.4	15.4	30.0	42.5	15.5	15.5
IC51-0644-824-1	64	0.8	14 x 14	17.2	17.2	14.0	14.0	15.8	15.8	30.0	42.5	16.0	16.0
IC51-0644-824-2	64	0.8	14 x 14	17.9	17.9	14.0	14.0	16.7	16.7	30.0	42.5	16.8	16.8
IC51-0644-820-3	64	1.0	16 x 22	18.0	24.0	20.0	14.0	16.9	22.9	34.0	42.5	17.0	23.0
IC51-0644-820-1	64	1.0	14 x 20	18.7	24.7	14.0	20.0	17.0	23.0	34.0	42.5	17.0	23.0
IC51-820-2.KS-9376	64	1.0	14 x 20	17.9	23.9	14.0	20.0	16.6	22.6	34.0	42.5	17.0	23.0
IC51-0644-820-2	64	1.0	14 x 20	17.6	23.6	14.0	20.0	16.3	22.3	34.0	42.5	16.4	22.4
IC51-0644-820-4	64	1.0	14 x 20	17.2	23.2	14.0	20.0	15.8	21.8	34.0	42.5	15.8	21.8
IC51-0644-472	64	1.0	14 x 20	19.6	23.6	14.0	20.0	16.2	22.2	34.0	42.5	17.0	23.0

KS-xxxxx = modified base socket

IC51-0644-692-*for this socket 051-824-*can also be used

IC51 Series (Clamshell)

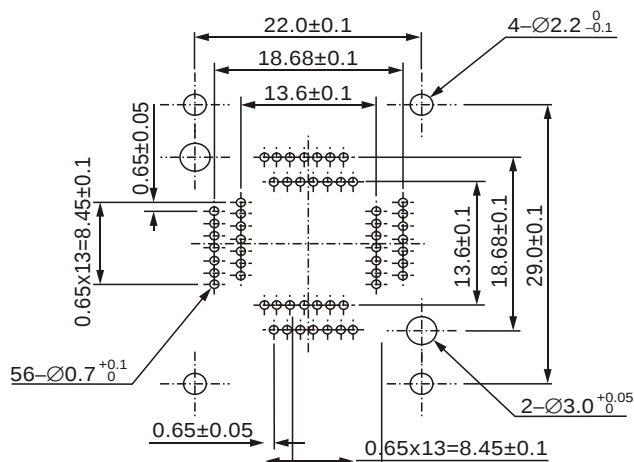
Quad Flat Package (QFP, PQFP, TQFP)



Recommended PCB Layouts (56 to 60 pins)

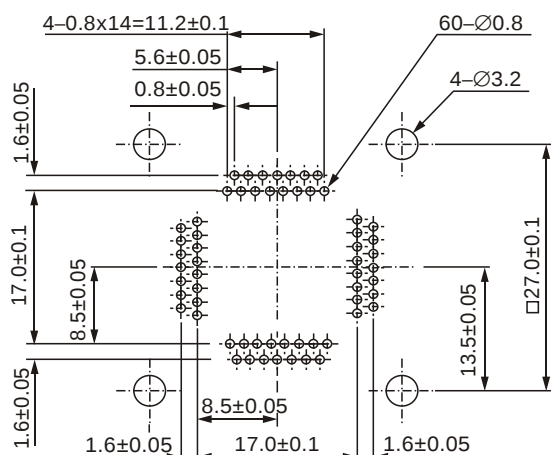
56 pins

IC51-0564-680



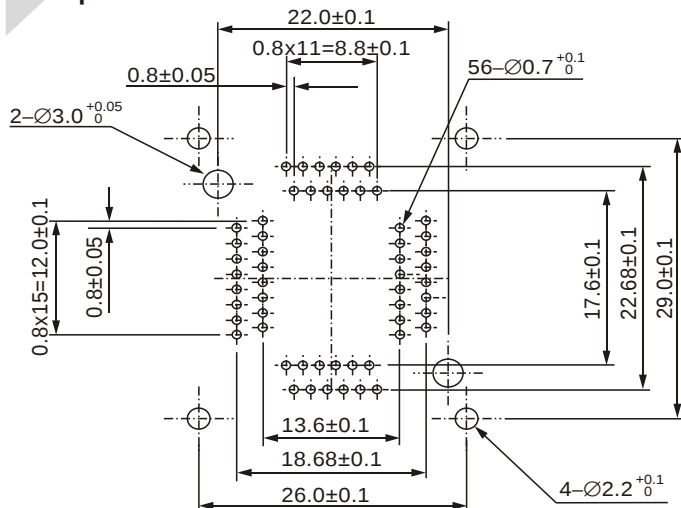
60 pins

IC51-0604-468



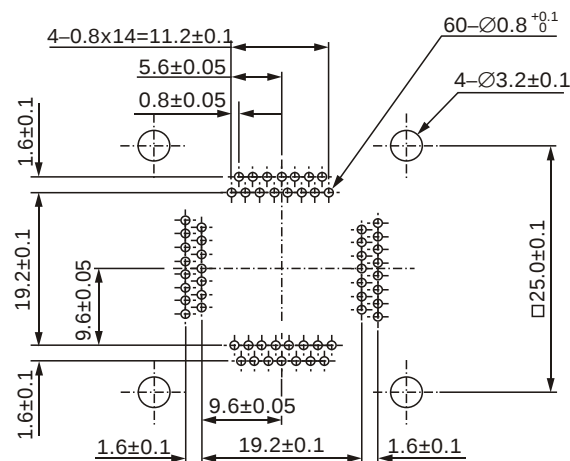
56 pins

IC51-0564-924



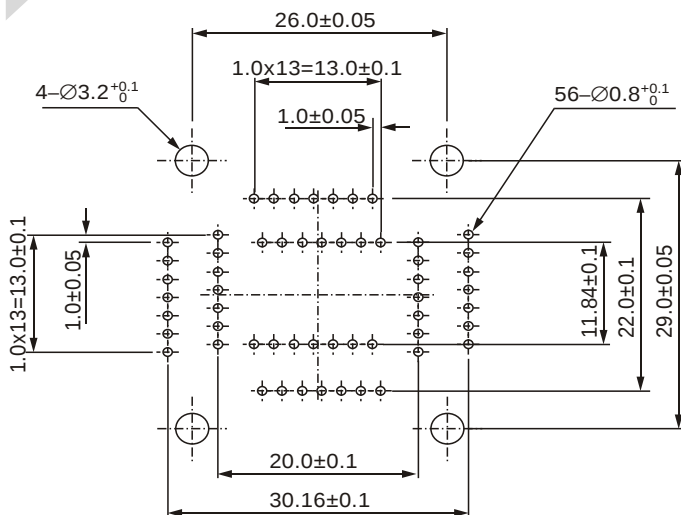
60 pins

IC51-0604-361



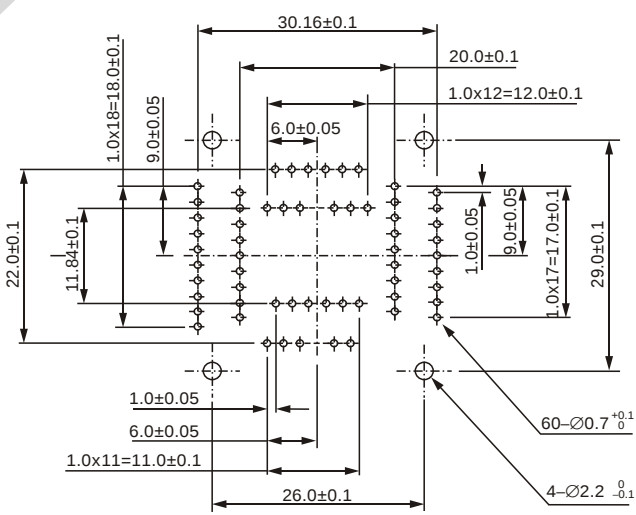
56 pins

IC51-0564-790



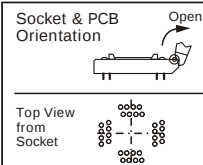
60 pins

IC51-0604-497-2



IC51 Series (Clamshell)

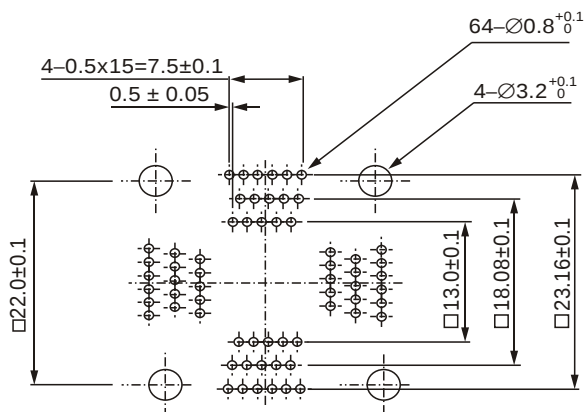
Quad Flat Package (QFP, PQFP, TQFP)



Recommended PCB Layouts (64 pins)

64 pins

IC51-0644-807



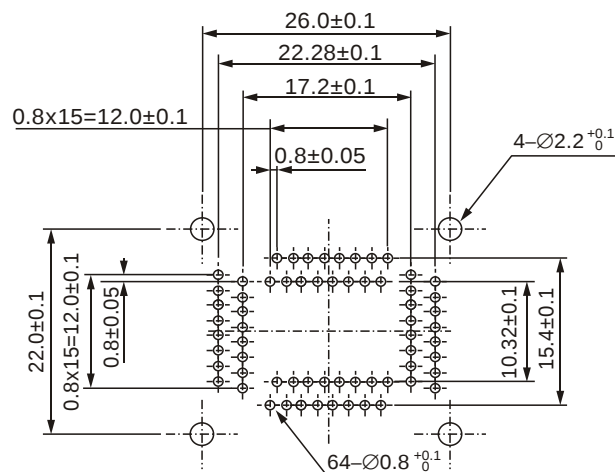
64 pins

IC51-0644-824-1

IC51-0644-824-2

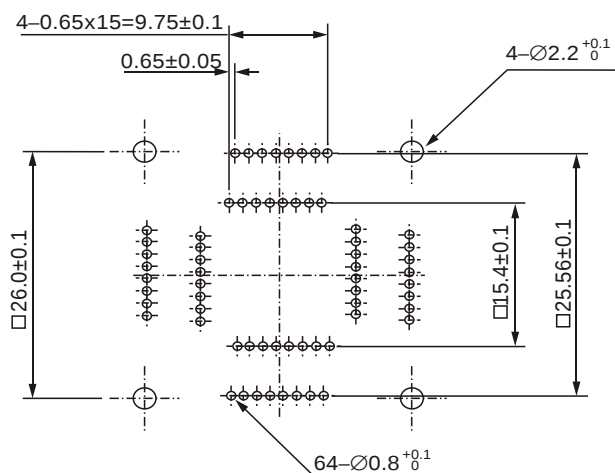
IC51-0644-824-3

IC51-0644-692-*



64 pins

IC51-0644-1586



64 pins

IC51-820-2.KS-9376

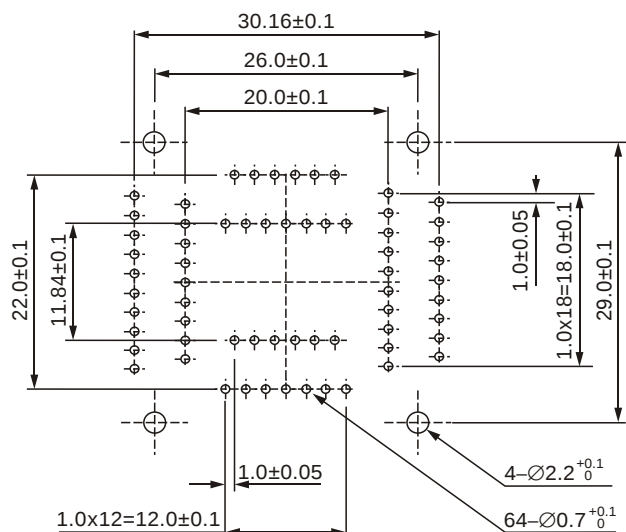
IC51-0644-820-1

IC51-0644-820-2

IC51-0644-820-3

IC51-0644-820-4

IC51-0644-472



64 pins

IC51-0644-1602

