

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

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

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 (example)

IC51 - 032 4 - 1498

Series No.

No. of Contact Pins

Number of Sides
with Contacts

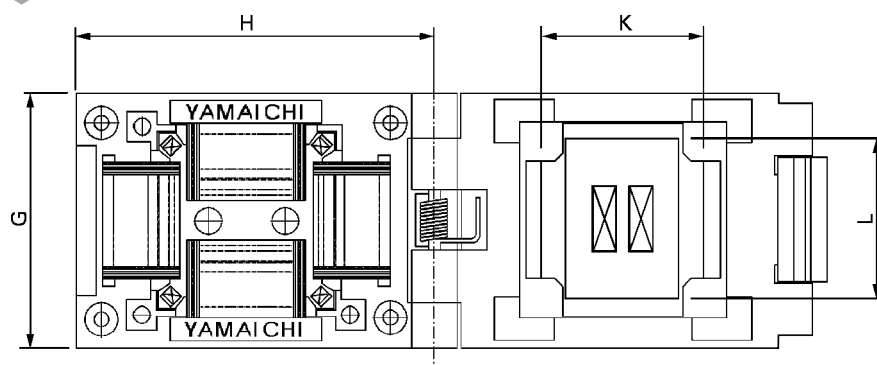
Design Number

Features

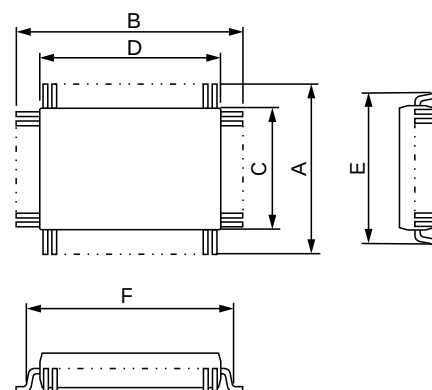
High reliability, durability and temperature range
Custom made also available for high pin count and fine-pitch IC packages

Applicable Socket and IC Outline Dimensions (Reference Only)

Outline Socket Dimensions



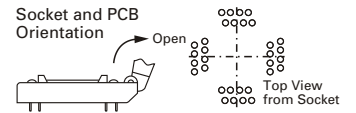
Outline IC Dimensions



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
IC51-0324-805	32	0.5	5 x 5	7.0	7.0	5.0	5.0	6.2	6.2	28.0	31.0	6.3	6.3
IC51-0324-1498	32	0.8	7 x 7	9.0	9.0	7.0	7.0	8.4	8.4	30.0	35.5	8.45	8.45
IC51-0324-354	32	0.8	7.4 x 7.4	9.8	9.8	7.4	7.4	8.4	8.4	30.0	37.5	8.4	8.4
QFP11T044-001	44	0.8	10 x 10	12.0	12.0	10.0	10.0	11.3	11.3	32.0	35.0	11.3	11.3
IC51-467. AC-15687	44	0.8	10 x 10	12.0	12.0	10.2	10.2	11.6	11.6	34.0	37.5	11.6	11.6
IC51-467. KS-11787	44	0.8	10 x 10	12.0	12.0	10.1	10.1	11.5	11.5	34.0	37.5	11.6	11.6
IC51-0444-1195-3	44	0.8	10 x 10	12.6	12.6	10.0	10.0	11.5	11.5	34.0	40.0	11.6	11.6
IC51-0444-825	44	0.8	10 x 10	12.6	12.6	10.0	10.0	11.7	11.7	34.0	40.0	11.8	11.8
IC51-467.KS-11247	44	0.8	10 x 10	13.2	13.2	10.0	10.0	12.0	12.0	34.0	40.0	12.2	12.2
IC51-0444-467	44	0.8	10 x 10	13.9	13.9	10.0	10.0	11.5	11.5	34.0	40.0	11.6	11.6
IC51-0444-798	44	0.8	10 x 10	13.9	13.9	10.0	10.0	12.9	12.9	34.0	40.0	13.0	13.0
IC51-0444-615	44	1.0	14 x 14	17.2	17.2	14.0	14.0	15.8	15.8	34.0	42.5	16.0	16.0
IC51-621.KS-8966	44	1.0	14 x 14	17.9	17.9	14.0	14.0	16.5	16.5	34.0	42.5	17.0	17.0
IC51-0484-806	48	0.5	7 x 7	9.0	9.0	7.0	7.0	8.2	8.2	29.0	32.0	8.3	8.3
IC51-0484-652	48	0.65	6 x 9	7.4	8.8	6.1	8.7	7.0	8.75	34.0	34.5	8.2	11.2
IC51-0484-081	48	0.8	12 x 12	15.3	15.3	12.0	12.0	14.0	14.0	36.0	39.0	14.0	14.0
IC51-0544-517-2	54	1.0	14 x 20	19.6	25.6	14.0	20.0	16.8	22.8	34.0	42.5	17.0	23.0

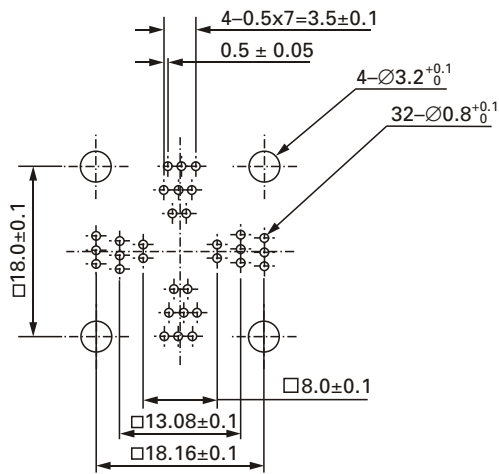
.KS-xxxxx = modified base socket



Recommended PCB Layouts

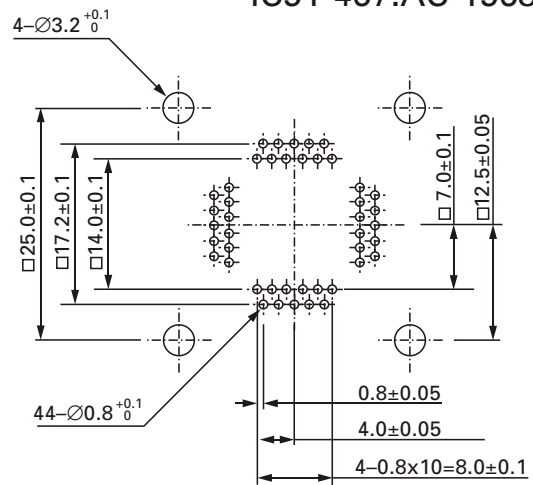
32 pins

IC51-0324-805



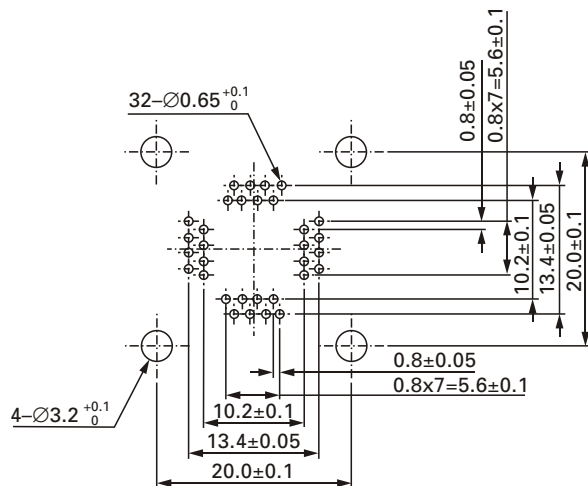
44 pins

IC51-467.KS-11787
IC51-467.AC-15687



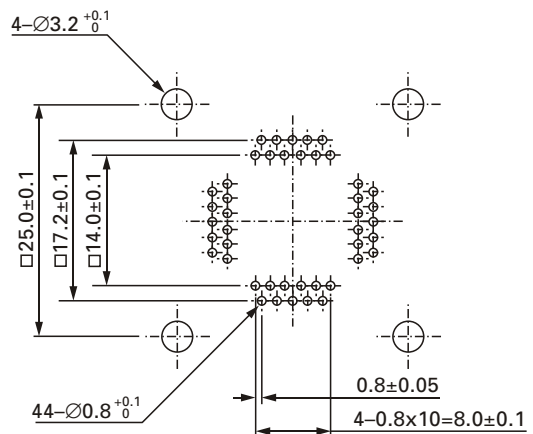
32 pins

IC51-0324-1498



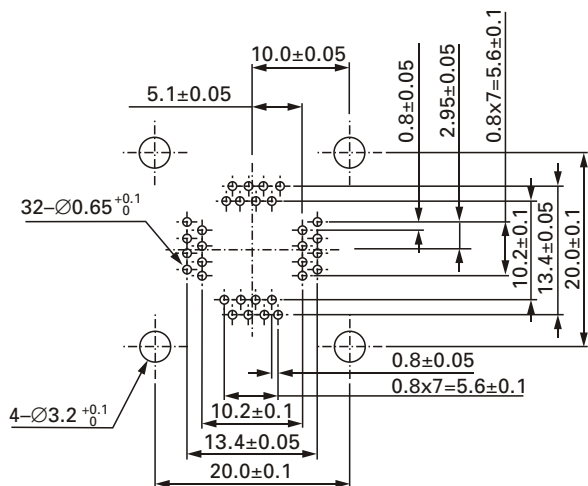
44 pins

IC51-0444-1195-3



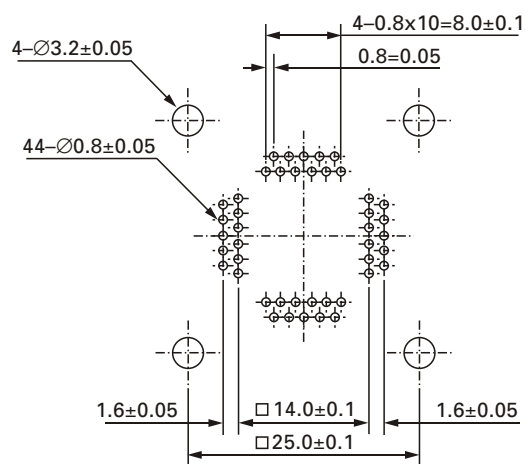
32 pins

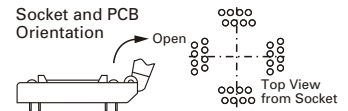
IC51-0324-354



44 pins

IC51-0444-825

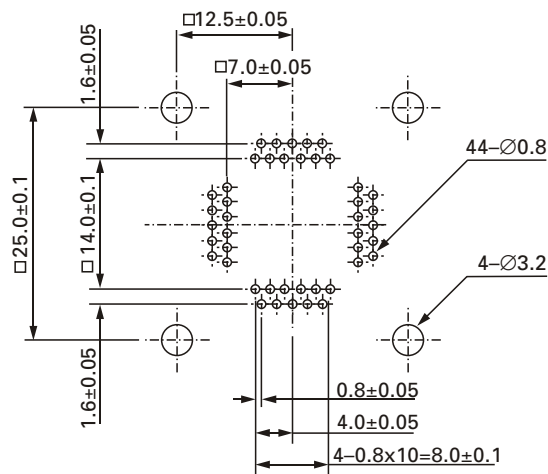




Recommended PCB Layouts

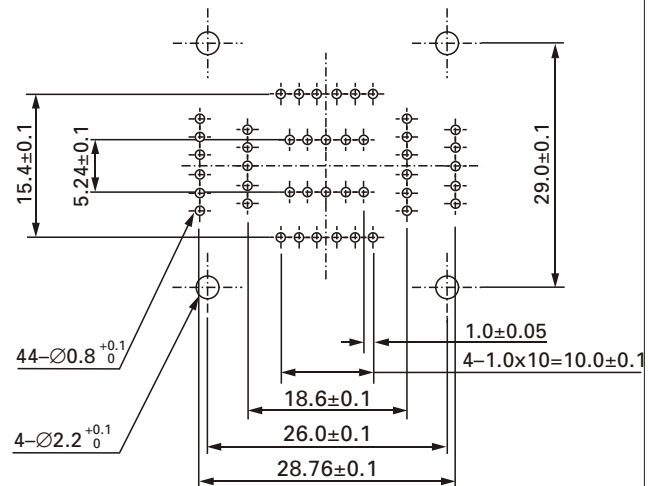
44 pins

IC51-467.KS-11247



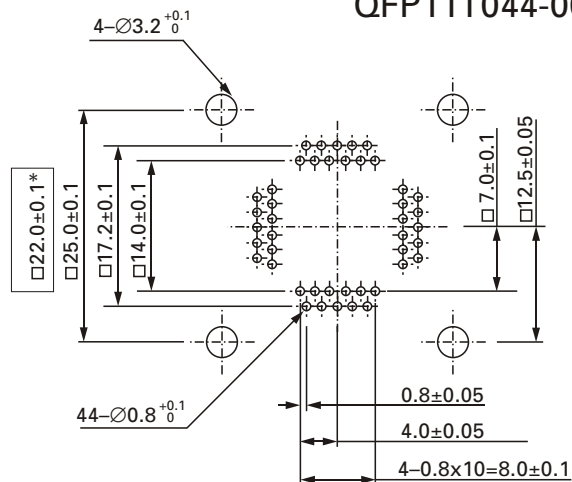
44 pins

IC51-0444-615



44 pins

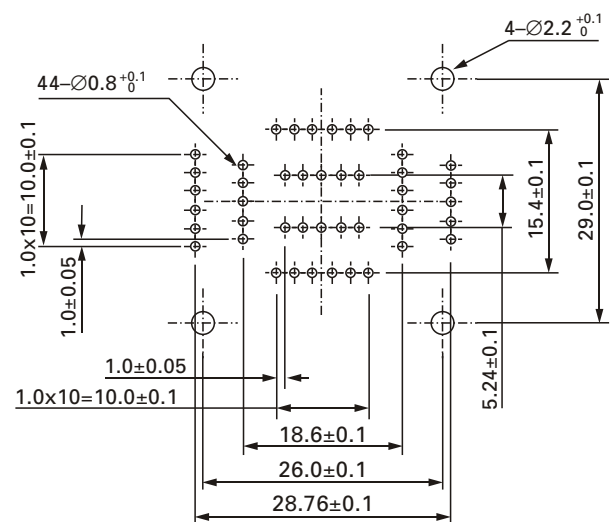
IC51-0444-467
QFP11T044-001



*Dimension for QFP11T044-001 only

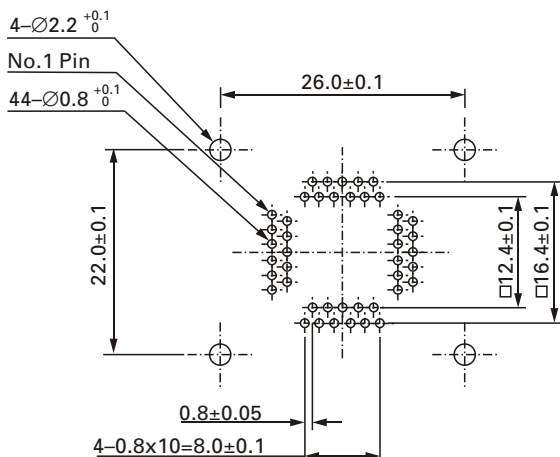
44 pins

IC51-621.KS-8966



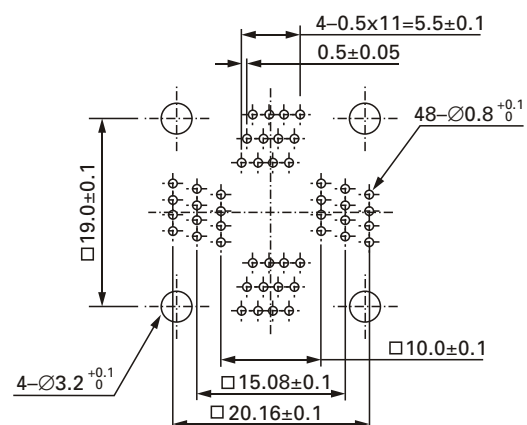
44 pins

IC51-0444-798



48 pins

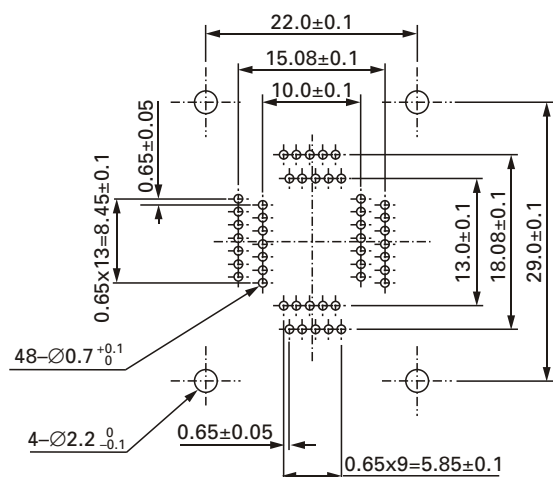
IC51-0484-806
IC51-0484-806-2



Recommended PCB Layouts

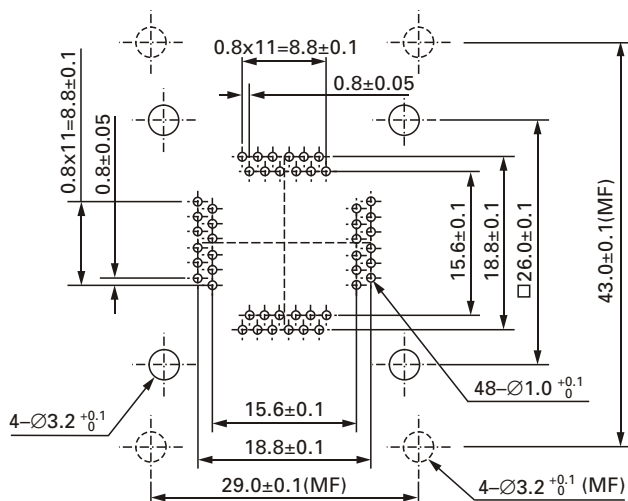
48 pins

IC51-0484-652



48 pins

IC51-081-KS-14028



54 pins

IC51-0544-517-2

