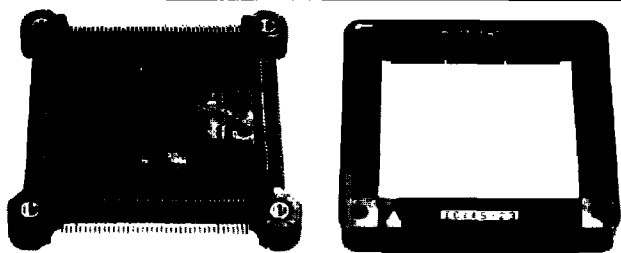


QFP SMT Prototype Socket/Emulation Probes

IC149 Series

160-Pin



ORDERING INFORMATION

P/N: IC149-***-* **-*5-*

1: Additional Solder Pads
S: Solder Plate
B: Gold Plate
Design Number
1: With Locator Pin
0: Without Locator Pin
Pin Count

CHARACTERISTICS

Insulation Resistance	Refer to Chart Below
Breakdown Voltage	Refer to Chart Below
Contact Resistance	30mΩ Max.
Rated Current	500mA Per Contact
Operating Temp. Range	-25°C ~ +85°C
Durability	20 Cycles

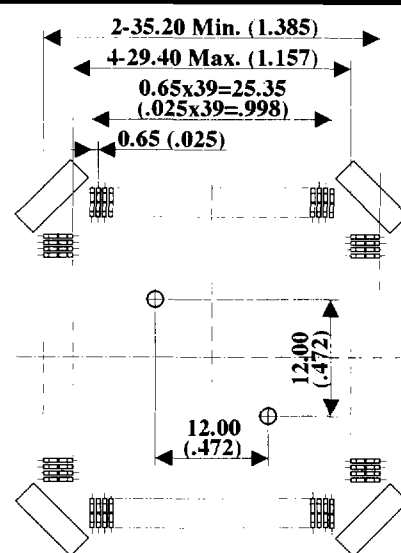
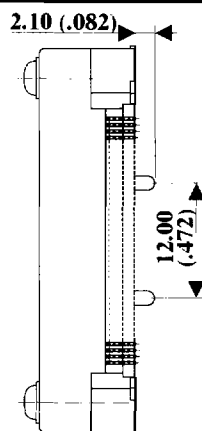
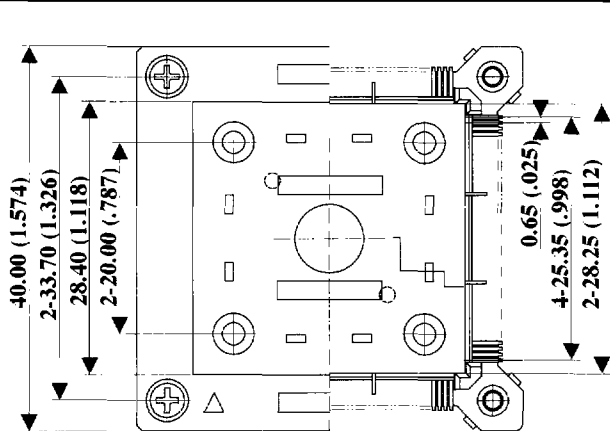
MATERIAL

Insulator	High-Temperature Thermoplastic UL94V-0 Rated
Contact	Copper Alloy

PLATING

Solder or Gold plate over Nickel

Note: Dimensions shown are for P/N: IC149-160-023-S5. For socket detail dimensions, please call or fax our corporate offices.

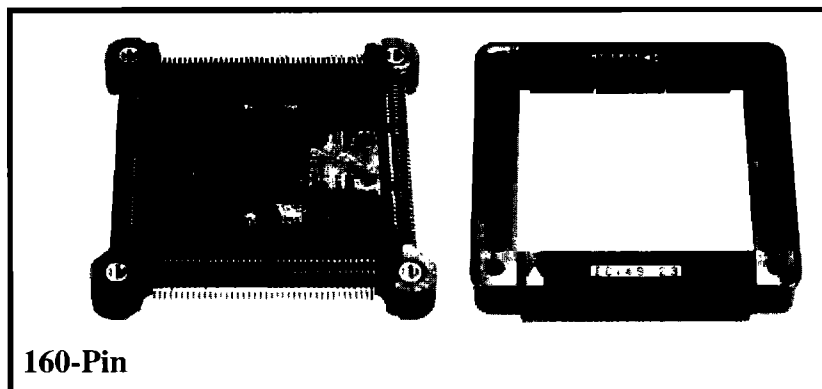


Recommended PCB Layout

Part Number	Pin Count	Pitch	IC Body Size	Mating Package Tip to Tip	Socket Size	Insulation Resistance	Breakdown Voltage	Emulation Probe
IC149-044-*52-*5*	44	0.8	10x10	11.9~12.5	24.20x24.20	500MΩ	150V AC	ICP-044-4
IC149-044-*49-*5*	44	0.8	14x14	17.0~17.4	28.00x28.00	500MΩ	150V AC	ICP-044-2
IC149-064-*08-*5	64	0.8	14x14	17.0~20.5	26.00x26.00	500MΩ	300V AC	ICP-064-2
IC149-064-*01-*5	64	1.0	14x20	17.6~20.1/23.6~26.1	23.65x30.15	700MΩ	700V AC	
IC149-080-*30-*5*	80	0.5	12x12	13.8~14.2	24.00x24.00	500MΩ	100V AC	ICP-080-6
IC149-080-*31-*5*	80	0.5	12x12	13.4~13.8	24.00x24.00	500MΩ	100V AC	ICP-080-6
IC149-080-*58-*5*	80	0.5	12x12	13.8~14.2	24.00x24.00	500MΩ	150V AC	ICP-080-6
IC149-080-*17-*5	80	0.65	14x14	17.0~17.6	26.00x26.00	500MΩ	150V AC	ICP-080-4
IC149-080-*51-*5*	80	0.65	14x14	15.8~16.2	28.00x28.00	500MΩ	150V AC	ICP-080-7
IC149-080-*12-*5	80	0.8	14x20	18.4~19.2/24.4~25.2	26.60x32.20	500MΩ	300V AC	ICP-080-3
IC149-080-*21-*5	80	0.8	14x20	17.0~17.4/23.0~23.4	26.60x32.20	500MΩ	300V AC	ICP-080-5
IC149-100-*25-*5*	100	0.5	14x14	15.8~16.2	27.00x27.00	500MΩ	100V AC	ICP-100-5
IC149-100-*05-*5	100	0.65	14x20	17.6~20.1/23.6~26.1	23.65x30.15	500MΩ	700V AC	
IC149-100-*14-*5	100	0.65	14x20	17.0~17.4/23.0~23.4	26.60x32.20	500MΩ	150V AC	ICP-100-4-4
IC149-100-*28-*5	100	0.635	19.13x19.13	22.23~22.48	32.00x32.00	500MΩ	150V AC	ICP-100-6
IC149-100-*064-*5*	100	0.65	14x20	16.2~22.2	29.00x35.00	500MΩ	150V AC	
IC149-112-*42-*5	112	0.65	20x20	23.0~23.4	32.00x32.00	500MΩ	150V AC	ICP-112-2

* In some cases, variations of emulation probes are available to accommodate different board thickness.

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Continued From
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160-Pin

CHARACTERISTICS

Insulation Resistance	Refer to chart below
Breakdown Voltage	Refer to chart below
Contact Resistance	30mΩ Max.
Rated Current	500mA Per Contact
Operating Temp. Range	-25°C ~ +85°C
Durability	20 Cycles

MATERIAL

Insulator	High-Temperature Thermoplastic UL94V-0 Rated
Contact	Copper Alloy

PLATING

Solder or Gold plate over Nickel

Part Number	Pin Count	Pitch	IC Body Size	Mating Package Tip to Tip	Socket Size	Insulation Resistance	Breakdown Voltage	Emulation Probe
IC149-120-*43-*5*	120	0.4	14x14	15.8~16.2	28.00x28.00	500MΩ	150V AC	ICP-120-2
IC149-132-*15-*5	132	0.635	22.36x22.36	27.23~27.63	36.05x36.05	500MΩ	150V AC	
IC149-144-*45-*5*	144	0.5	20x20	21.8~22.2	34.20x34.20	500MΩ	150V AC	ICP-144-1
IC149-152KS11226	152	0.65	28x28	31.8~32.2	40.00x40.00	500MΩ	150V AC	ICP-160-1
IC149-160-*50-*5*	160	0.5	24x24	25.8~26.2	39.00x39.00	500MΩ	150V AC	
IC149-160-*23-*5	160	0.65	28x28	31.8~32.2	40.00x40.00	500MΩ	150V AC	ICP-160-1
IC149-208-*61-*5*	208	0.5	28x28	30.3~30.9	43.60x43.60	500MΩ	150V AC	
IC149-272-*29-*5	272	0.5	36x36	39.34~39.94	51.00x51.00	500MΩ	100V AC	
IC149-KS11113-0	100	0.65	14x20	17.6~20.1/23.6~26.1	23.65x30.15	500MΩ	700V AC	ICP-100-4
IC149-KS11113-1	100	0.65	14x20	17.6~20.1/23.6~26.1	23.65x30.15	500MΩ	700V AC	ICP-100-4
IC149-144K11453-0S	144	0.65	28x28	31.8~32.2	40.00x40.00	500MΩ	150V AC	ICP-160-1
IC149-144K11453-1S	144	0.65	28x28	31.8~32.2	40.00x40.00	500MΩ	150V AC	ICP-160-1
IC149-144K11453-0B	144	0.65	28x28	31.8~32.2	40.00x40.00	500MΩ	150V AC	ICP-160-1
IC149-144K11453-1B	144	0.65	28x28	31.8~32.2	40.00x40.00	500MΩ	150V AC	ICP-160-1
IC149-256K12624-S0	256	0.5	36x36	39.34~39.34	51.00x51.00	500MΩ	150V AC	
IC149-256K12624-S1	256	0.5	36x36	39.34~39.34	51.00x51.00	500MΩ	100V AC	
IC149-256K12624-B0	256	0.5	36x36	39.34~39.34	51.00x51.00	500MΩ	100V AC	
IC149-256K12624-B1	256	0.5	36x36	39.34~39.34	51.00x51.00	500MΩ	100V AC	

* In some cases, variations of emulation probes are available to accommodate different board thickness.

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