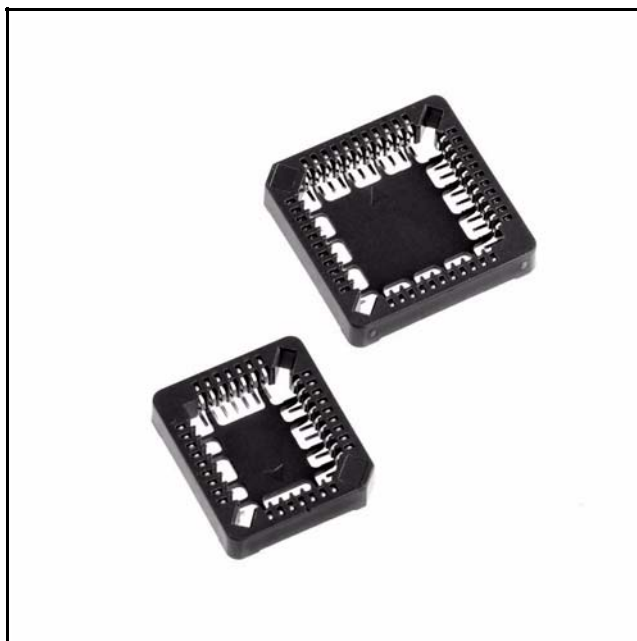


3M™ Chip Carrier Sockets

Surfacemount

8400 Series



- Accepts chip carriers conforming to JEDEC outline MO-047 for square and MO-052 for rectangular
- High temperature insulator compatible with IR reflow and wave soldering
- Compatible with automated loading equipment
- Open top design allows unrestricted air flow
- Molded slots for ease of device extraction
- Available with optional PCB locating posts
- RoHS* compliant

Date Modified: December 7, 2006

TS-2147-04
Sheet 1 of 2

Physical

Insulation

Material: Glass Filled Polyphenylene Sulfide (PPS)

Flammability: UL 94V-0

Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: 50 μ ", [1.27 μ m] Nickel - Overall

Wiping Area: 160 μ ", [4.06 μ m] Matte Tin

Electrical

Contact Resistance: 15 m Ω

Capacitance: 1 pF

Insulation Resistance: >10³ M Ω minimum

Environmental

Temperature Rating: -40°C to +105°C

Process Rating: Maximum 260° C, single pass, (profile per J-STD-020C)

Moisture Sensitivity Level: 1 (per J-STD-020C)

**RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated in writing by 3M, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.



Interconnect Solutions

<http://www.3M.com/interconnects/>

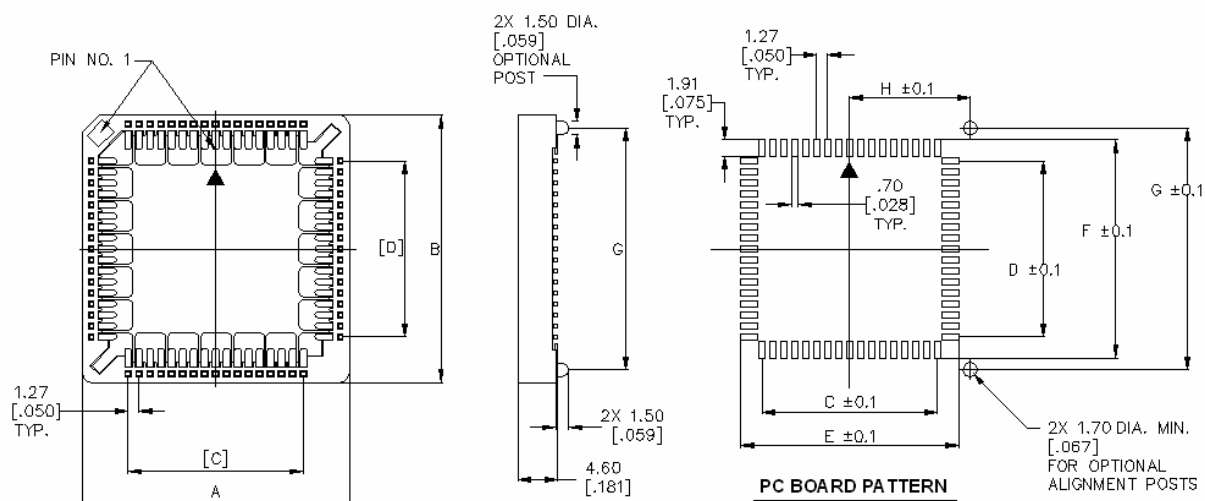
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800-225-5373

3M™ Chip Carrier Sockets

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Contact Qty.	A	B	C	D	E	F	G	H
20	15.65 [0.616]	15.65 [0.616]	5.08 [0.200]	5.08 [0.200]	10.03 [0.395]	10.03 [0.395]	12.70 [0.500]	6.35 [0.250]
28	18.18 [0.716]	18.18 [0.716]	7.62 [0.300]	7.62 [0.300]	12.57 [0.495]	12.57 [0.495]	15.24 [0.600]	7.62 [0.300]
32	18.18 [0.716]	20.75 [0.817]	7.62 [0.300]	10.16 [0.400]	12.57 [0.495]	15.11 [0.595]	17.78 [0.700]	7.62 [0.300]
44	23.28 [0.917]	23.28 [0.917]	12.70 [0.500]	12.70 [0.500]	17.65 [0.695]	17.65 [0.695]	20.32 [0.800]	10.16 [0.400]
52	25.84 [1.017]	25.84 [1.017]	15.24 [0.600]	15.24 [0.600]	20.19 [0.795]	20.19 [0.795]	22.86 [0.900]	11.43 [0.450]
68	30.95 [1.219]	30.95 [1.219]	20.32 [0.800]	20.32 [0.800]	25.27 [0.995]	25.27 [0.995]	27.94 [1.100]	13.97 [0.550]
84	36.00 [1.417]	36.00 [1.417]	25.40 [1.000]	25.40 [1.000]	30.35 [1.195]	30.35 [1.195]	33.02 [1.300]	16.51 [0.650]

mm

[inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	±.3	±.20	

Note:

1. For Tape and Reel Packaging dimensions, contact 3M customer service or your preferred 3M distributor.

[] Dimensions for Reference Only

Ordering Information

84XX - 21X1 - RK - XX

Contact Quantity
(See table)

Packaging:
TP = Tube Pack
TR = Tape and Reel (see note)

Alignment Feature:
A = With Location Post (tube packaging only)
B = Without Location Post

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Sheet 2 of 2



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Minimum 10%
Post-Consumer Fiber

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