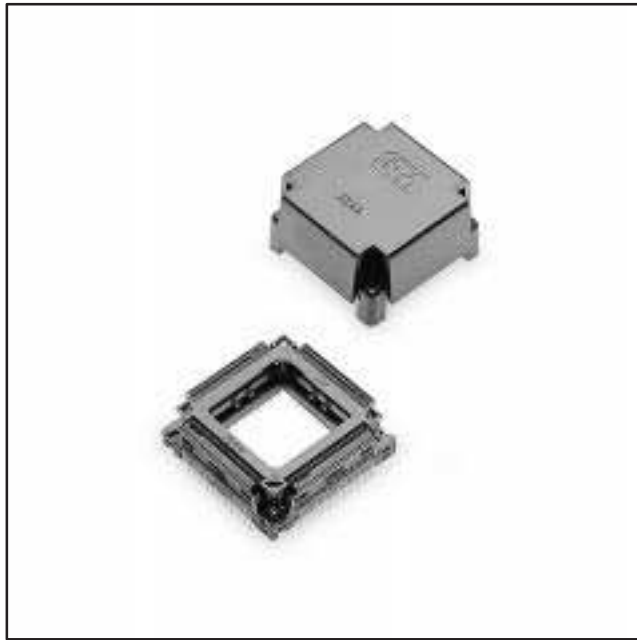


OEM PQFP Sockets



- Accepts JEDEC MO-069 packages, lead counts 84, 100 and 132
- .025"(0.64mm) center line contacts for high-density packaging
- Lid design separates, maintains IC lead spacing
- Lid acts as package carrier and transport protector
- Lid is compatible with conventional package shipping tubes and trays
- Slotted, "open" socket walls and corners permit airflow around captured package (aids in package heat dissipation)
- Latches secure lid/package assembly to base
- Mirror image contact pin-out available on most lead counts
- Required tooling available in two styles

Date Issued: November 1, 1999

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Sheet 1 of 4

Physical

Insulation

Material: Glass Filled Polyethersulfone (PES)
Flammability: UL 94V-0
Color: Black

Contact

Material: Beryllium Copper
Plating
Underplate: 50 m' [1.27 mm] Nickel
Wiping Area & Solder Tails: 200 m' [5.08 mm] 60/40 Tin Lead

Latching Aid

Material: Polycarbonate (PC)
Color: Black

Marking: Raised Letters: 3M Logo & Part Identification

Electrical

Current Rating: 1 A
Insulation Resistance: $> 1 \times 10^{12}$ Wat 500 Vdc
Withstanding Voltage: 1000 Vrms at Sea Level

Mechanical

Durability: 25 acuations
Normal Force: 150 grams average per contact

Environmental

Temperature Rating Operating: 0°C to +105°C

UL File No.: E68080

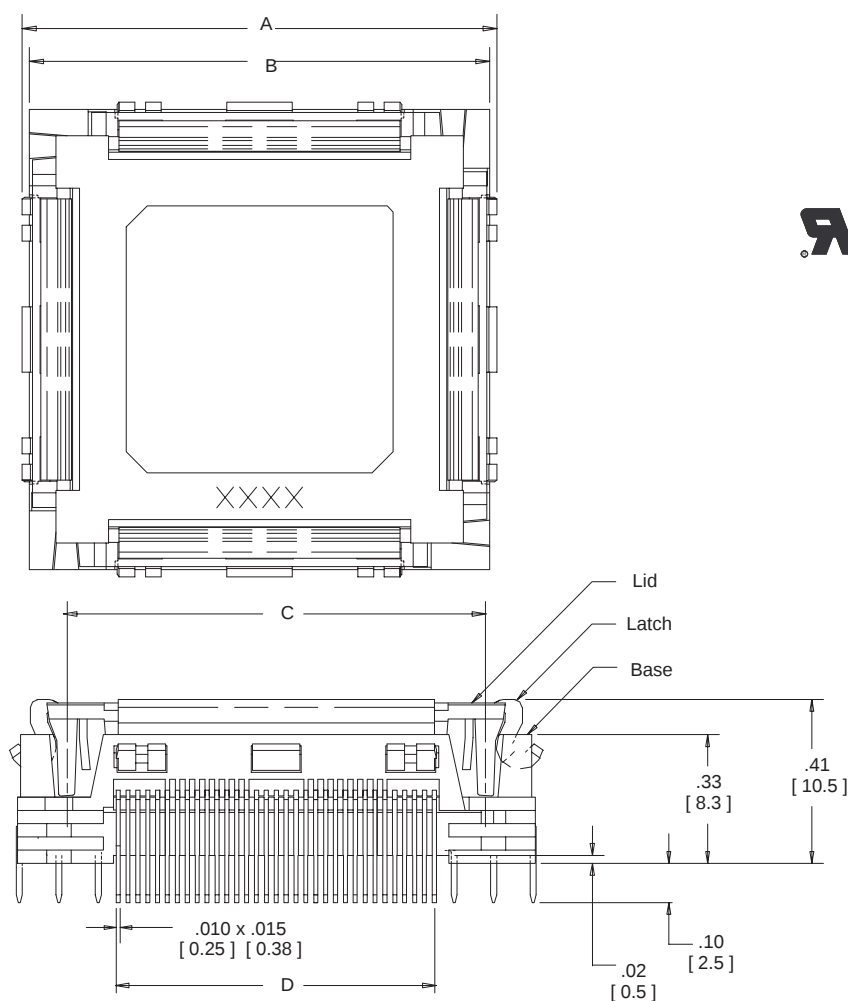
3M Electronic Handling and Protection Division

6801 River Place Blvd.
Austin, TX 78726-9000

For technical, sales or ordering information call **800-328-0411**
or visit our website: <http://www.3M.com/ehpd>

OEM PQFP Sockets

Lead Count	Dimensions			
	A Sq.	B Sq.	C $+ .004$ $- .006$	D $\pm .002$ [0.05]
84	1.05 [26.7]	1.01 [25.7]	.760 [19.30]	20 Eq. Spaces @ .025 [0.64] = .500 [12.70]
100	1.15 [29.2]	1.11 [28.2]	.860 [21.84]	24 Eq. Spaces @ .025 [0.64] = .600 [15.24]
132	1.35 [34.3]	1.31 [33.3]	1.060 [26.92]	32 Eq. Spaces @ .025 [0.64] = .800 [20.32]



Ordering Information

Lead Count	Part Number	Latching Aid Part Number	Production Latching Aid Part Number
84	284-7242-70-1807	400-7242-00-9900	N/A
100	2100-7243-XX-1807	400-7243-00-9900	400-7243-50-9900
132	2132-7244-YY-1807	400-7244-00-9900	400-7244-50-9900

XX = 00 Standard 3M PC Pattern
50 Alternate PC Pattern

YY = 70 Standard 3M PC Pattern
75 Alternate PC Pattern

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Sheet 2 of 4

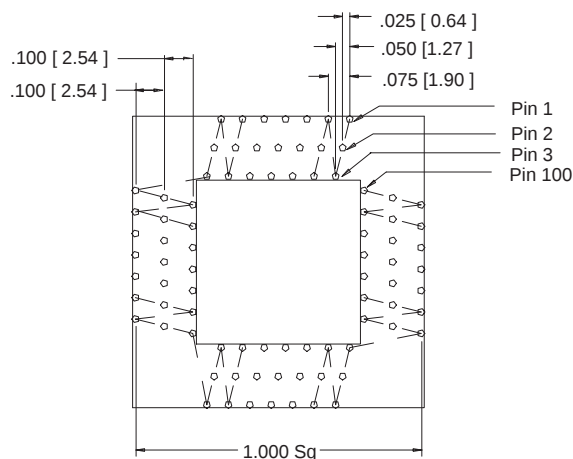
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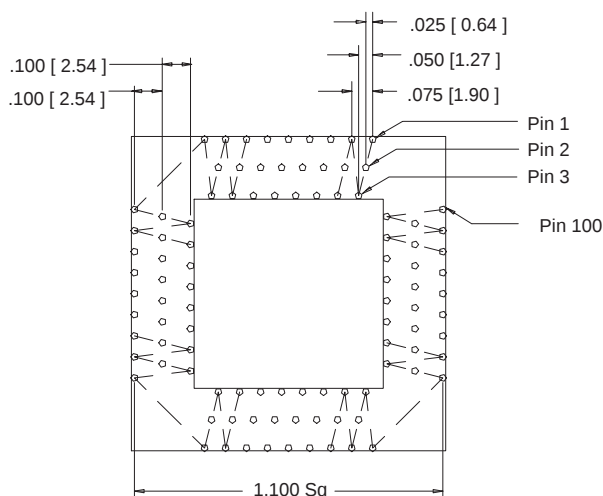
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OEM PQFP Sockets

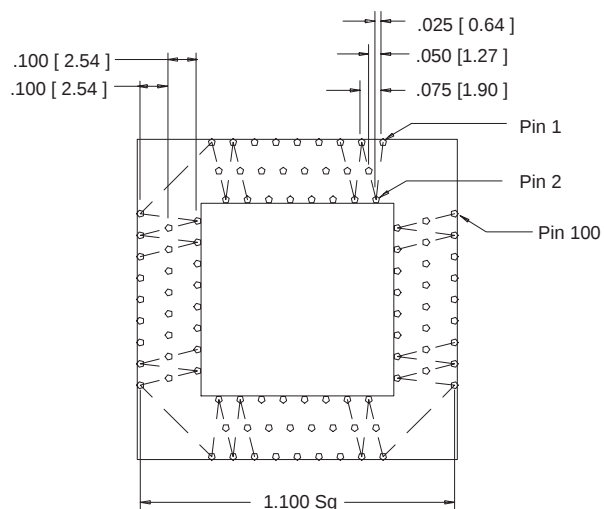
PCB Patterns Component Side



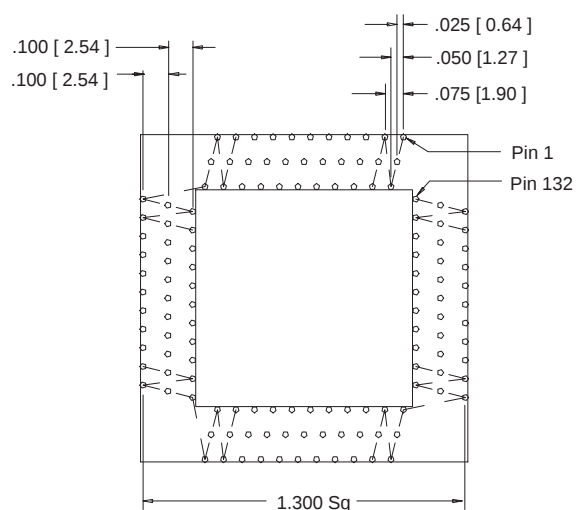
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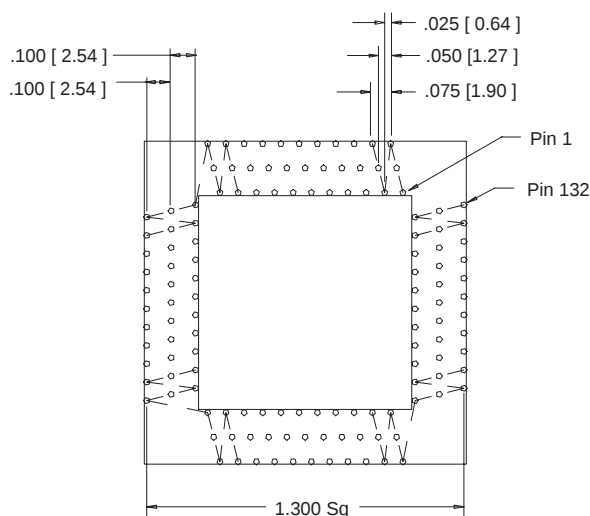
2100-7243-00-1807



2100-7243-50-1807



2132-7244-70-1807



2132-7244-75-1807

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Sheet 3 of 4

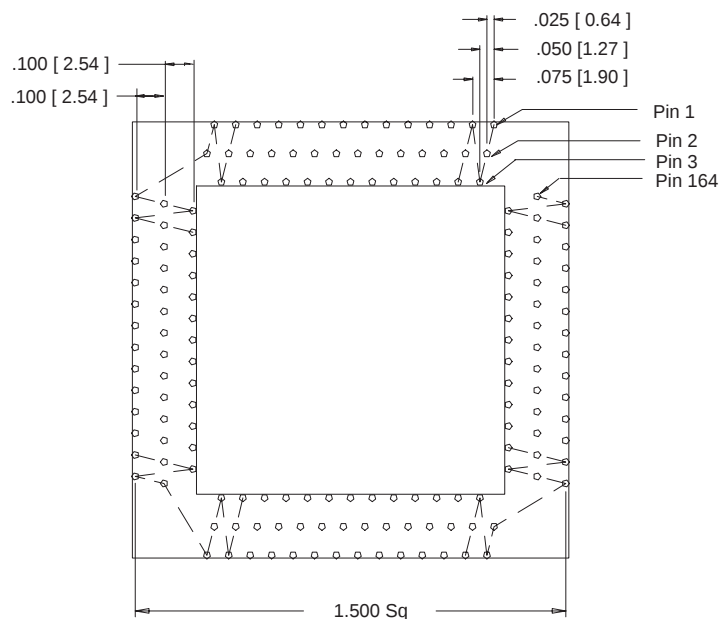
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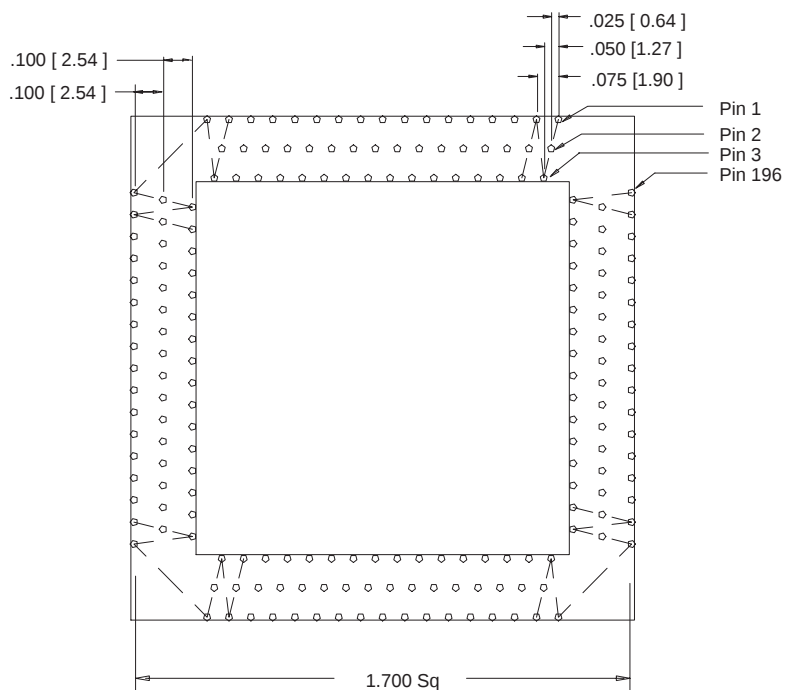
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OEM PQFP Sockets

PCB Patterns Component Side



2164-7245-00-1807



2196-7246-00-1807

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Sheet 4 of 4

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