

3M™ Chip Carrier Socket

4-Row, Thru-hole

PLCCE Series



- Low profile .200" maximum height
- Designed for automatic assembly
- High temperature insulator compatible with IR reflow and wave soldering
- Open frame allows visual inspection of solder joints

Date Modified: March 10, 2003

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Physical

Insulation

Material: Glass Filled PPS
Flammability: UL 94V-0
Color: Black, Brown

Contact

Material: Phosphor Bronze

Plating

Underplating: 50 μ ", [1.3 μ m] Nickel
Wiping Area: 100 μ ", [2.5 μ m] Tin/Lead
Solder Tail Area: 200 μ ", [5.1 μ m] Tin/Lead

Electrical

Contact Resistance: 20 m Ω
Insulation Resistance: 10³ M Ω min. at 500 VDC
Capacitance: 1 pF

Environmental

Temperature Rating: -55°C to +105°C

UL File No.: E68080

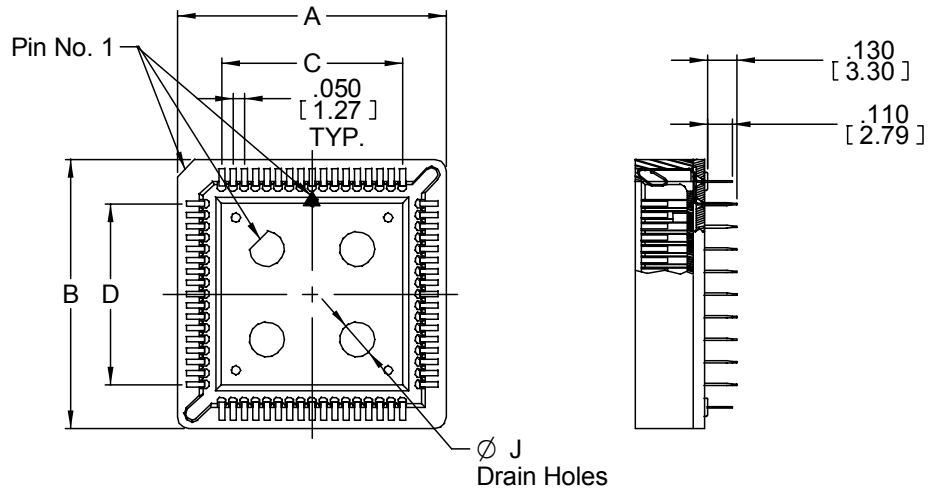
3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

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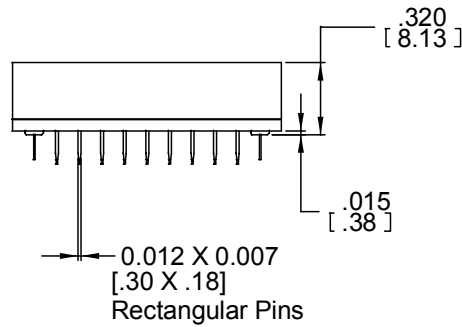
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NOTE: 20, 28, & 32 SIZES HAVE ONLY ONE DRAIN HOLE IN THE CENTER



Tolerance Unless Noted			
	Inch	[mm]	
	.0	.00	.000
Inch	± .1	± .01	± .005

[] Dimensions for Reference only

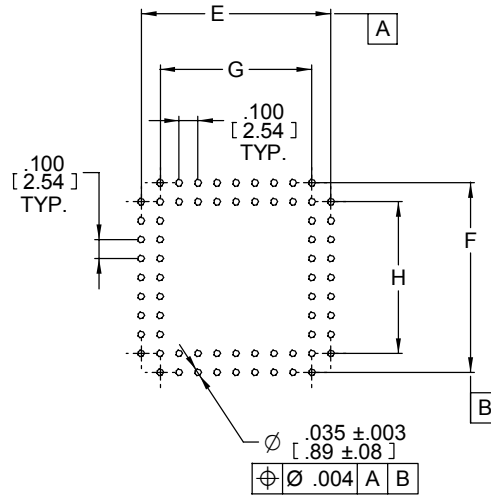
Contact Quantity	DESCRIPTION	A	B	C	D	J
20	PLCCE-020-S1-TT	.590 [14.99]	.590 [14.99]	0.200 [5.08]	0.200 [5.08]	0.095 [2.41]
28	PLCCE-028-S1-TT	0.690 [17.53]	0.690 [17.53]	0.300 [7.62]	0.300 [7.62]	0.125 [3.18]
32	PLCCE-032-S1-TT	0.690 [17.53]	0.690 [17.53]	0.400 [10.16]	0.400 [10.16]	0.125 [3.18]
44	PLCCE-044-S1-TT	0.890 [22.61]	0.890 [22.61]	0.500 [12.70]	0.500 [12.70]	0.125 [3.18]
52	PLCCE-052-S1-TT	0.990 [25.15]	0.990 [25.15]	0.600 [15.24]	0.600 [15.24]	0.125 [3.18]
68	PLCCE-068-S1-TT	1.190 [30.23]	1.190 [30.23]	0.800 [20.32]	0.800 [20.32]	0.210 [5.33]
84	PLCCE-084-S1-TT	1.390 [35.31]	1.390 [35.31]	1.000 [25.40]	1.000 [25.40]	0.260 [6.60]

Ordering Information

PLCC E - XX -S1 - TT

Contact Quantity
See Table

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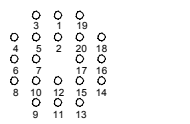


MOUNTING HOLE PATTERN

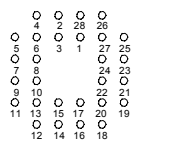
Contact Quantity	DESCRIPTION	E	F	G	H
20	PLCCE-020-S1-TT	0.400 [10.16]	0.400 [10.16]	0.200 [5.08]	0.200 [5.08]
28	PLCCE-028-S1-TT	0.500 [12.70]	0.500 [12.70]	0.300 [7.62]	0.300 [7.62]
32	PLCCE-032-S1-TT	0.500 [12.70]	0.500 [12.70]	0.400 [10.16]	0.400 [10.16]
44	PLCCE-044-S1-TT	0.700 [17.78]	0.700 [17.78]	0.500 [12.70]	0.500 [12.70]
52	PLCCE-052-S1-TT	0.800 [20.32]	0.800 [20.32]	0.600 [15.24]	0.600 [15.24]
68	PLCCE-068-S1-TT	1.000 [25.40]	1.000 [25.40]	0.800 [20.32]	0.800 [20.32]
84	PLCCE-084-S1-TT	1.200 [30.48]	1.200 [30.48]	1.000 [25.40]	1.000 [25.40]

LAYOUT DIAGRAM

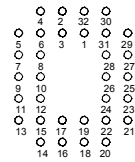
20 POSITION



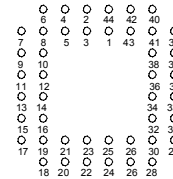
28 POSITION



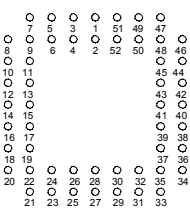
32 POSITION



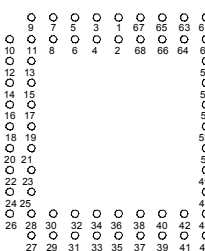
44 POSITION



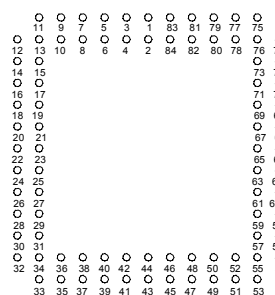
52 POSITION



64 POSITION



84 POSITION



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Electronic and Interconnect Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/eisd

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