

3M™ Chip Carrier Socket

Low Profile, 4-Row, Surfacemount

PLCC 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: October 23, 2006

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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 ", [1.27 μ m] Nickel Minimum
Wiping Area: 150 μ ", [3.81 μ m] Tin Lead Minimum
Solder Tail Area: 200 μ ", [5.08 μ m] Tin Lead Minimum

Electrical

Contact Resistance: 20 m Ω
Insulation Resistance: 10^3 M Ω minimum
Capacitance: 1 pF

Environmental

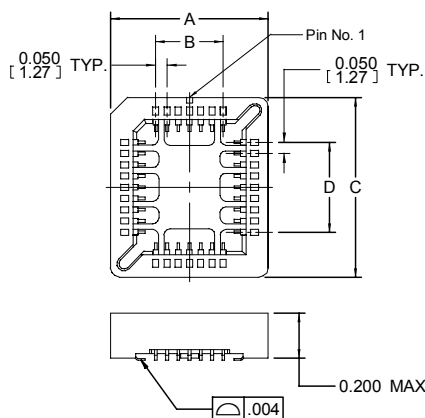
Temperature Rating: -55°C to +105°C

UL File No.: E68080

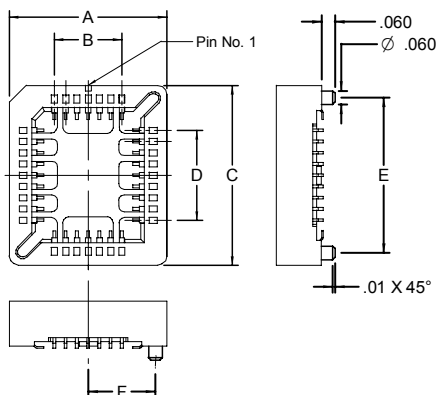
3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

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800-225-5373

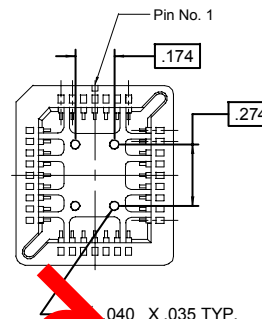
Without Location Posts



With Location Posts



With Standoff
(32 Position Only)



Contact Qty.	A	B	C	D	E	F
20	0.600 [15.24]	0.200 [5.08]	0.600 [15.24]	0.200 [5.08]	0.500 [12.70]	0.250 [6.35]
28	0.700 [17.78]	0.300 [7.62]	0.700 [17.78]	0.300 [7.62]	0.600 [15.24]	0.300 [7.62]
32	0.700 [17.78]	0.300 [7.62]	0.800 [20.32]	0.400 [10.16]	0.700 [17.78]	0.300 [7.62]
44	0.900 [22.86]	0.500 [12.70]	0.900 [22.86]	0.500 [12.70]	0.800 [20.32]	0.400 [10.16]
52	1.000 [25.40]	0.600 [15.24]	1.000 [25.40]	0.600 [15.24]	0.900 [22.86]	0.450 [11.43]
68	1.200 [30.48]	0.800 [20.32]	1.200 [30.48]	0.800 [20.32]	1.100 [27.94]	0.550 [13.97]
84	1.400 [35.56]	1.000 [25.40]	1.400 [35.56]	1.000 [25.40]	1.300 [33.02]	0.650 [16.51]

Discontinued

Inch
[mm]

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

[] Dimensions for
Reference only

Ordering Information

PLCC - XX XX - XX - SMT X - TT

Contact Quantity
(See Table)

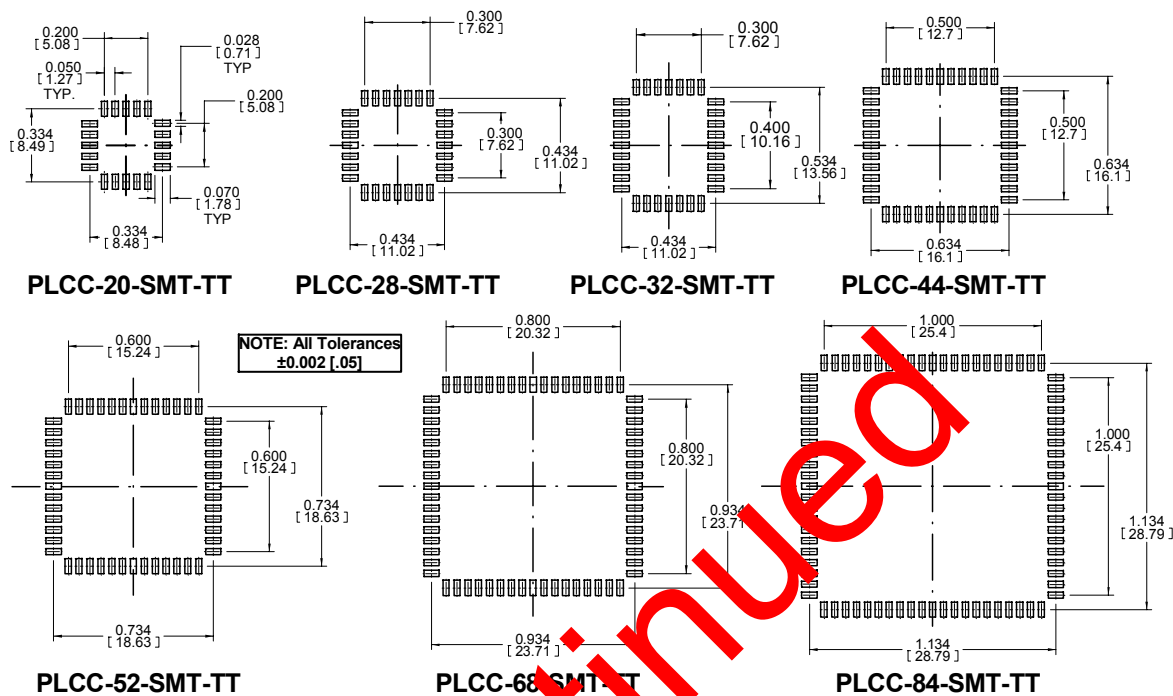
Blank = Standard Product
(Without Standoff)
LP = Optional Standoff
(32 Position Only)

Packaging:
Blank = Tube Pack
TP = Tape and Reel

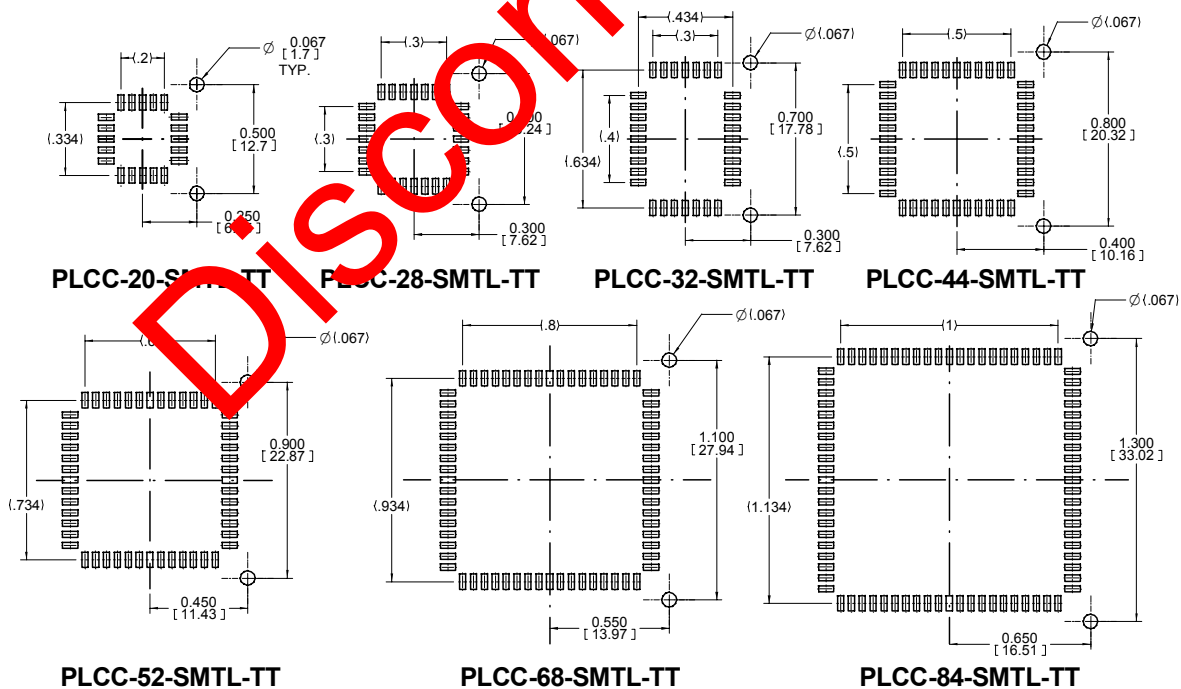
Locating Post Option
L = With Location Post
Blank = Without Location Post

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PLCC-XX SMT-TT Recommended Mounting Pattern



PLCC-XX SMTL-TT Recommended Mounting Pattern



Discontinued

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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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