

# 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  $\mu$ " , [ 1.27  $\mu$ m ] Nickel Minimum  
Wiping Area: 150  $\mu$ " , [ 3.81  $\mu$ m ] Tin Lead Minimum  
Solder Tail Area: 200  $\mu$ " , [ 5.08  $\mu$ m ] Tin Lead Minimum

## Electrical

Contact Resistance: 20 m $\Omega$   
Insulation Resistance:  $10^3$  M $\Omega$  minimum  
Capacitance: 1 pF

## Environmental

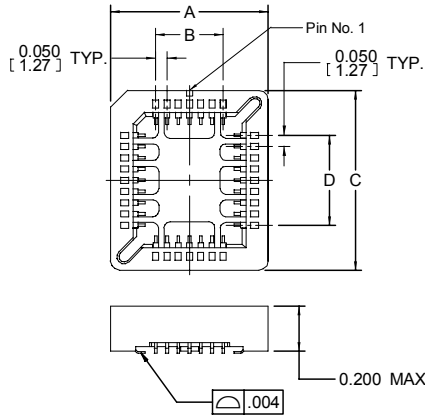
Temperature Rating: -55°C to +105°C

UL File No.: E68080

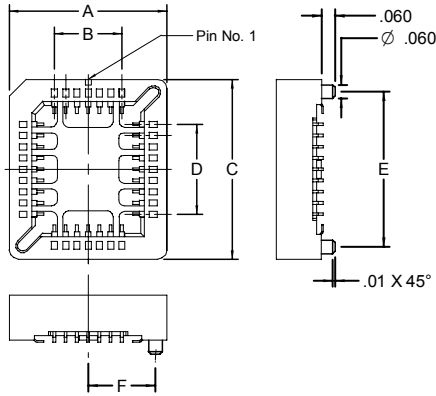
**3M**  
Interconnect Solutions  
<http://www.3M.com/interconnects/>

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**800-225-5373**

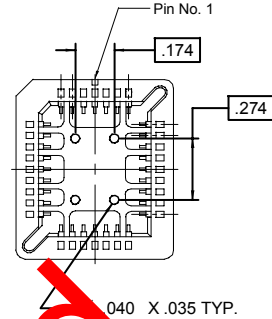
**Without Location Posts**



**With Location Posts**



**With Standoff  
(32 Position Only)**



Contact Qty.	A		B		C		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	.000
Inch	± .1	± .005

[ ] Dimensions for Reference only

### Ordering Information

**PLCC - XX XX - XX - SMT X - TT**

Contact Quantity  
(See Table)

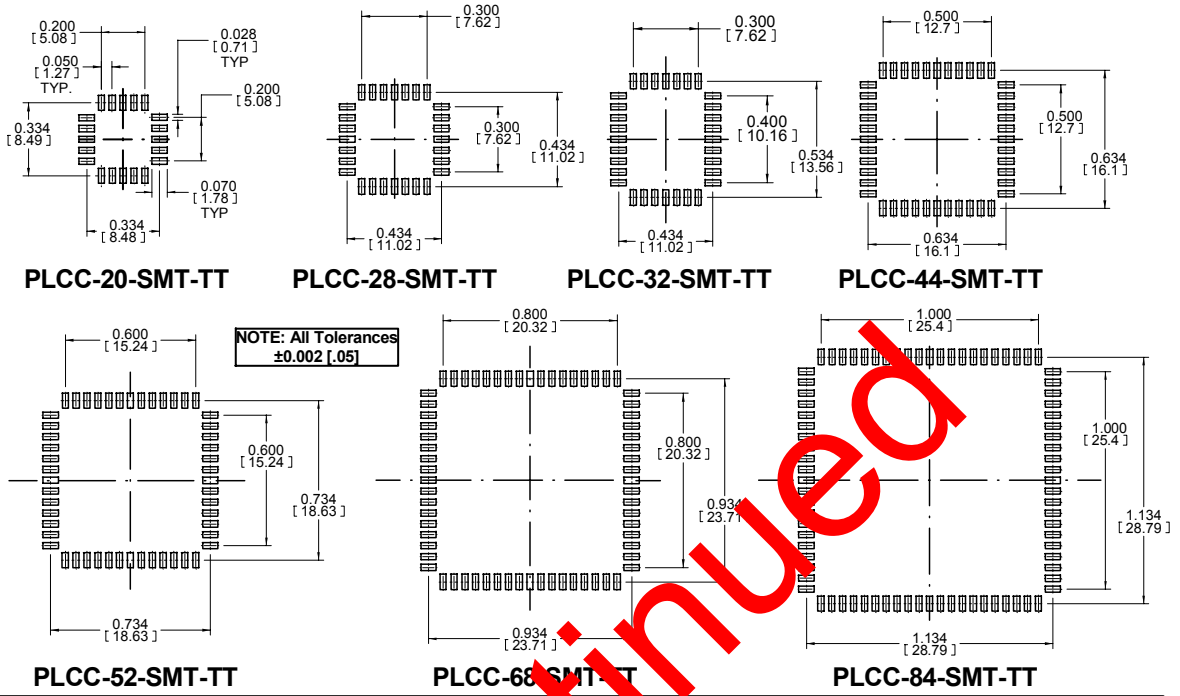
Blank = Standard Product  
(Without Standoff)  
LP = Optional Standoff  
(32 Position Only)

Packaging:  
Blank = Tube Pack  
TP = Tape and Reel

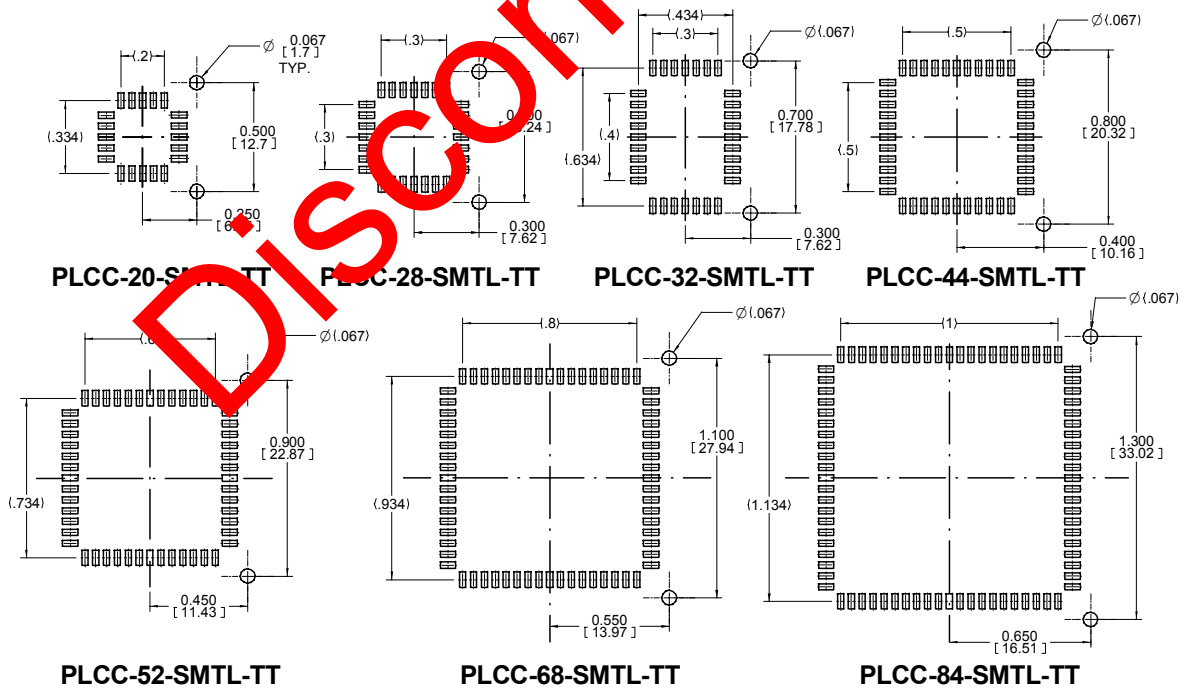
Locating Post Option  
L = With Location Post  
Blank = Without Location Post

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**PLCC-XX SMT-TT Recommended Mounting Pattern**



**PLCC-XX SMTL-TT Recommended Mounting Pattern**



Discontinued

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