

3M™ Chip Carrier Socket

Low Profile, 4-Row, Surface Mount

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: 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 " , [1.27 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

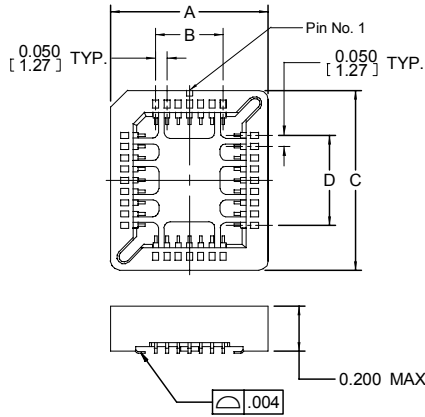
Contact Resistance: 20 m Ω
Insulation Resistance: 10³ M Ω minimum
Capacitance: 1 pF

Environmental

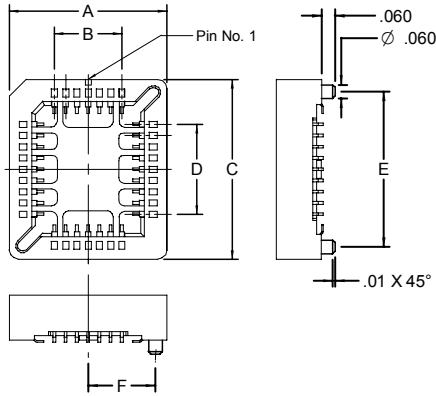
Temperature Rating: -55°C to +105°C

UL File No.: E68080

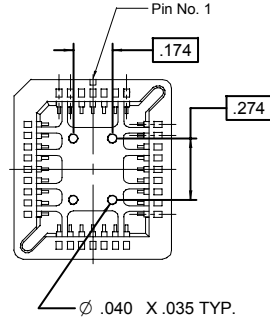
Without Location Posts



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]



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)

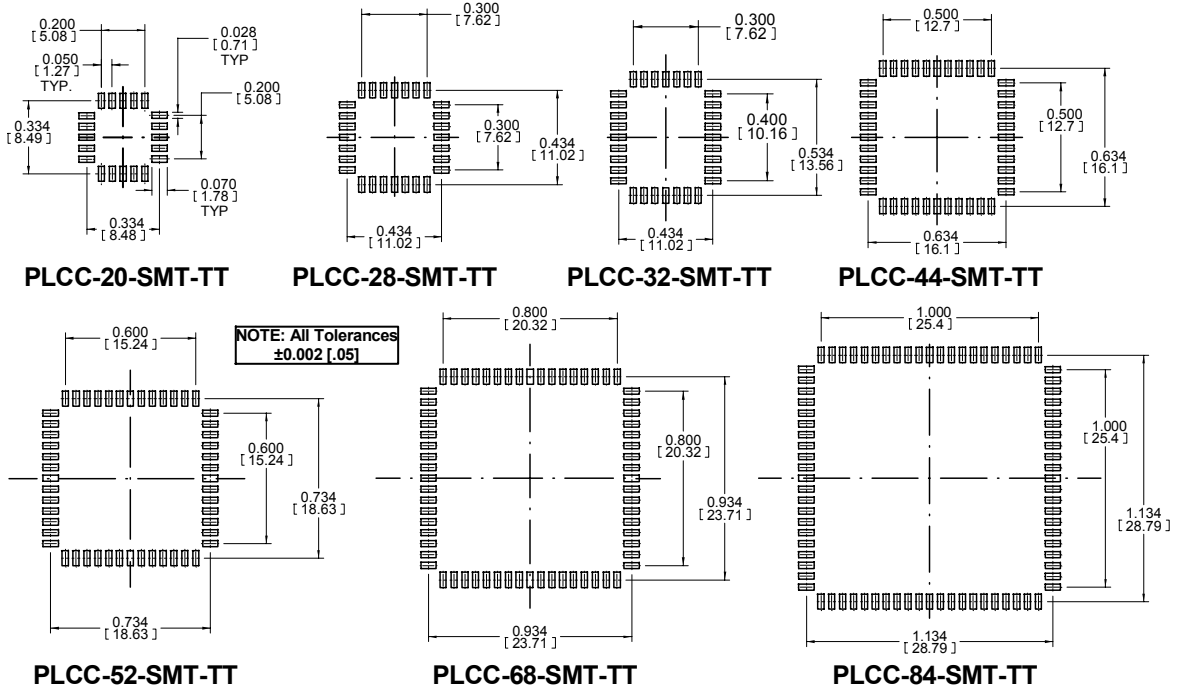
Blank = Standard Product
(Without Standoff)
LP = Optional Standoff
(32 Position Only)

Packaging:
Blank = Tube Pack
TP = Tape and Reel

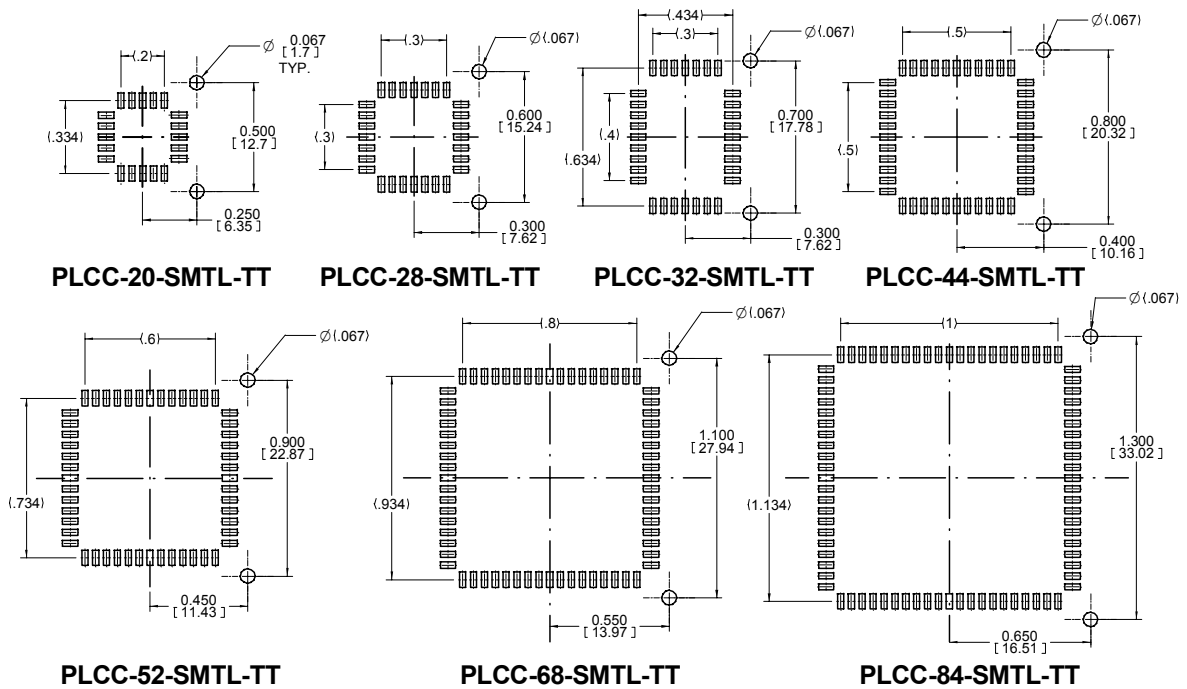
Locating Post Option
L = With Location Post
Blank = Without Location Post

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PLCC-XX SMT-TT Recommended Mounting Pattern



PLCC-XX SMTL-TT Recommended Mounting Pattern



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