

Specifications for PLCC-SMT, SOJ and PLCCB/PLCCE Sockets

MATERIALS

Housing:	High temperature thermoplastic	Plating:	
Contacts:	Copper Alloy	PLCC-SMT & SOJ	TT = 150 μ inch (3.81 μ m) minimum Tin/Lead on contact area. 200 μ inch (5.08 μ m) minimum Tin/Lead on terminal area.
Flammability:	UL 94V-0	PLCCB	T = 80 μ inch (2.03 μ m) minimum Tin/Lead on contact area.
		PLCCE	TT = 100 μ inch (2.54 μ m) minimum Tin/Lead on contact area.
		All options include an Underplate of 50 μ inch (1.27 μ m) minimum Nickel	

MECHANICAL

Insertion Force: 180 gram per contact maximum
Withdrawal Force: 28.35 grams per contact minimum

ENVIRONMENTAL

Temperature Rating: -55°C to + 105°C
Shock per MIL-STD-1344 Method 2004
Vibration per MIL-STD-1344 Method 2005
Humidity per MIL-STD-1344 Method 1002

ELECTRICAL

	PLCC-SMT & SOJ	PLCCB	PLCCE
Contact Resistance:	20 milliohms	30 milliohms	20 milliohms
Capacitance:	1 picofarad	1 picofarad	1 picofarad
Insulation Resistance:	1000 megohms min.	1000 megohms min.	1000 megohms min.

PLCC — 20 XX TP — SMT L — TT

Number of Contacts:

20, 28, 32, 44,
52, 68, 84

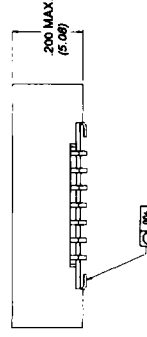
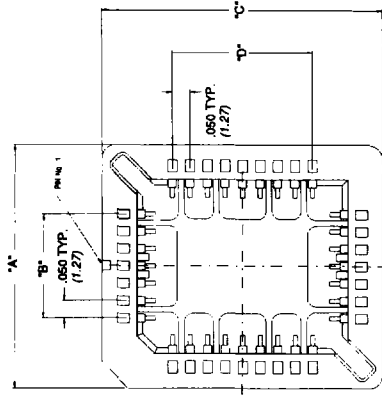
Blank = Standard Product
(without standoff)
LP = Optional Standoff
(32 position only)

Packaging
TP = Tape and Reel
Blank = Tube Pack

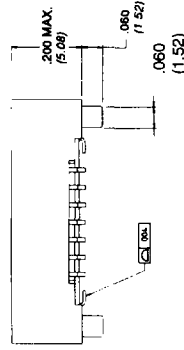
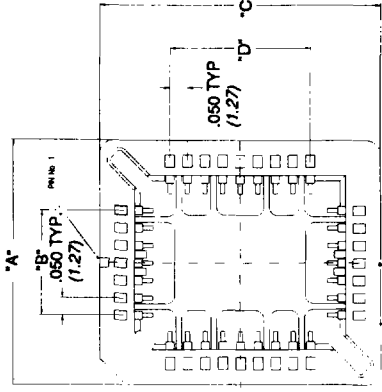
Plating Code: Specify TT

L = with Location Posts
Blank = without Location Posts

PLCC-XX-SMT-TT Without Location Post



PLCC-XX-SMTL-TT With Location Post



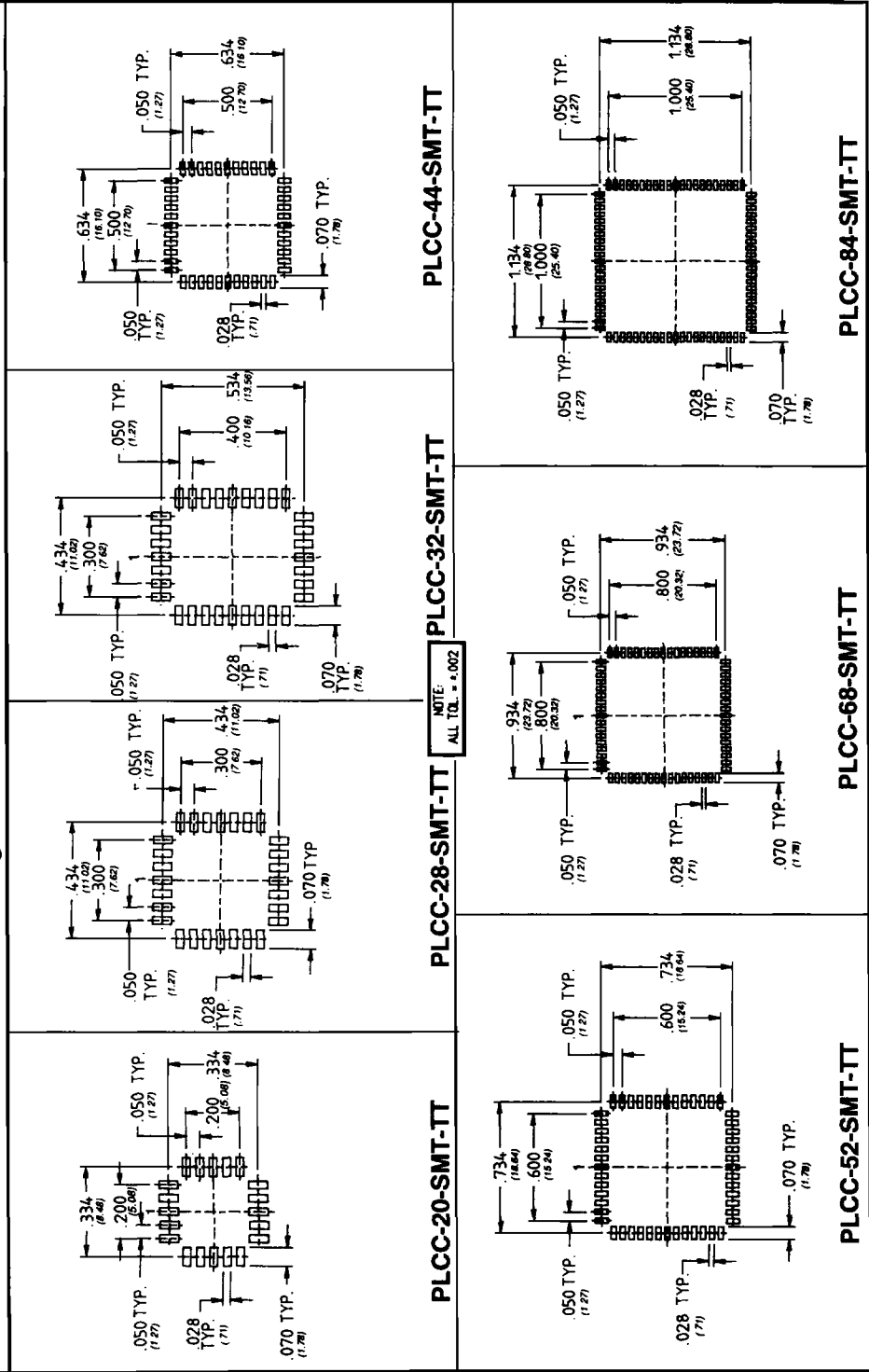
No. of Contacts	"A"	"B"	"C"	"D"
20	0.600 (15.24)	0.200 (5.08)	0.600 (15.24)	0.200 (5.08)
28	0.700 (17.78)	0.300 (7.62)	0.700 (17.78)	0.300 (7.62)
32	0.700 (17.78)	0.300 (7.62)	0.800 (20.32)	0.400 (10.16)
44	0.900 (22.86)	0.500 (12.70)	0.900 (22.86)	0.500 (12.70)
52	1.000 (25.40)	0.600 (15.24)	1.000 (25.40)	0.600 (15.24)
68	1.200 (30.48)	0.800 (20.32)	1.200 (30.48)	0.800 (20.32)
84	1.400 (35.56)	1.000 (25.40)	1.400 (35.56)	1.000 (25.40)

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PLCC-XXXXXX-SMTL-TT 1 of 3
Plastic Leaded Chip Carrier Socket with
Optional Standoffs and Locator Posts

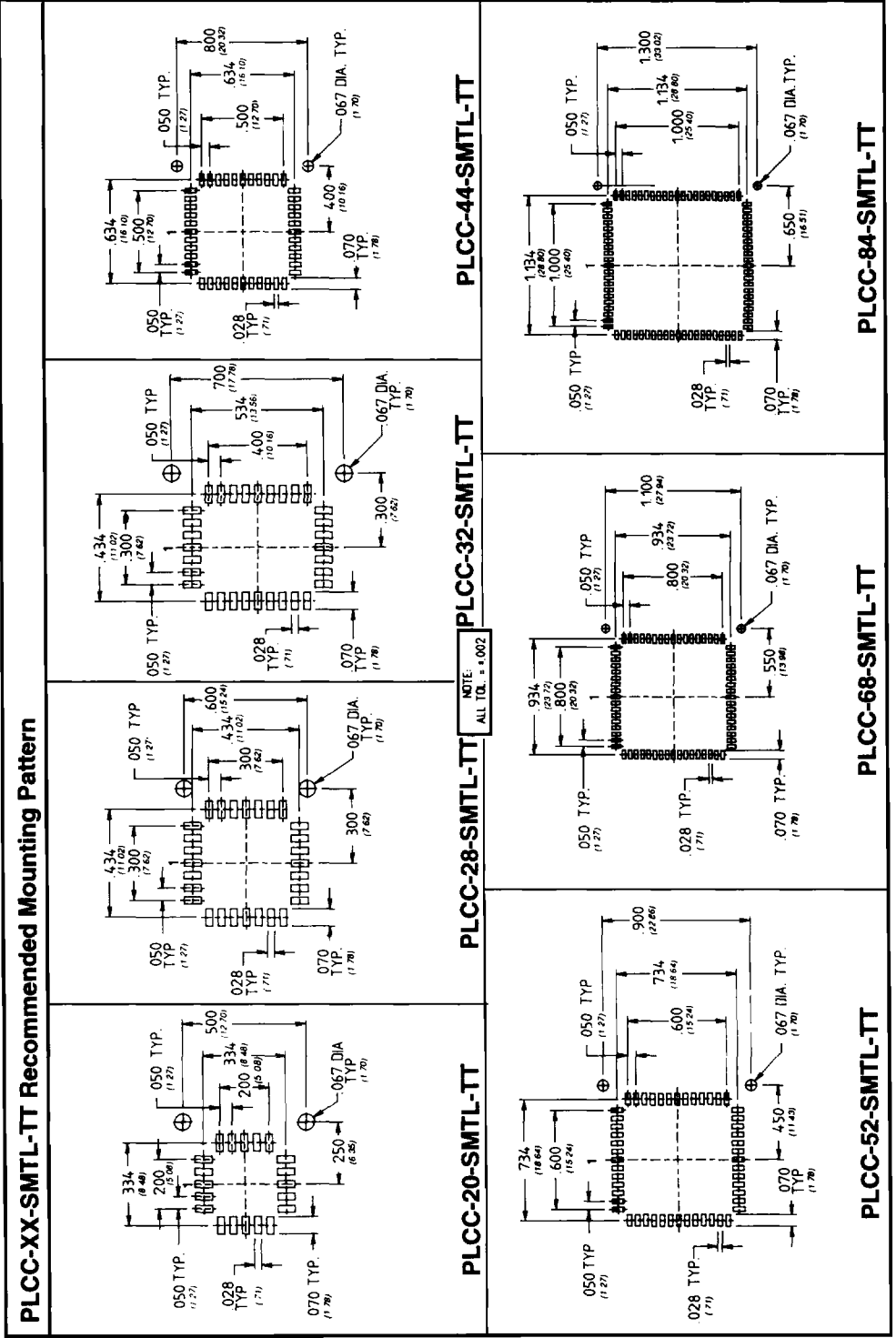
PLCC-XX-SMT-TT Recommended Mounting Pattern



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PLCC-XXXXXX-SMTX-TT 2 of 3
Without Optional Locator Posts



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PLCC-XXXXXX-SMTL 3 of 3
With Optional Locator Posts

PLCC Socket for Non-Volatile RAMs and Real Time Clocks

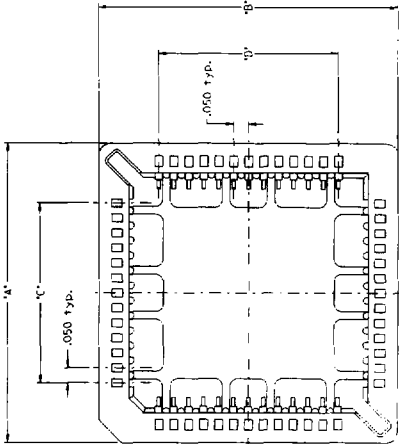
PLCC — XX TP — SMT L — TT

Number of Contacts:
20, 28, 32, 44, 52,
68, 100

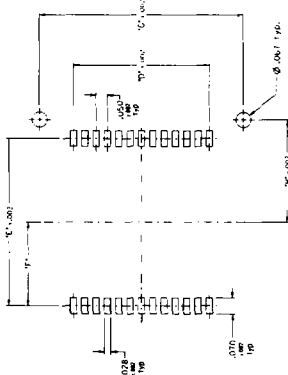
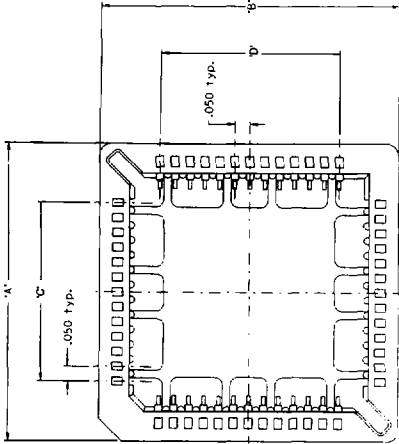
Packaging
TP = Tape and Reel
Blank = Tube Pack

L = with Location Posts
Blank = without Location Posts

PLCC-XX-SMT-TT
Without Location Post



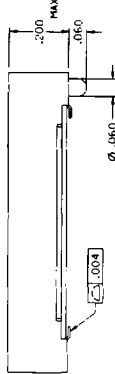
PLCC-XX-SMTL-TT
With Location Post



PLCC-26-SMT-TT
Recommended Mounting Pattern



PLCC-26-SMTL-TT
Recommended Mounting Pattern



No. of Contacts	"A"	"B"	"C"	"D"	"E"	"F"
26	1.000 (25.40)	0.600 (15.24)	1.000 (25.40)	0.600 (15.24)	0.367 (9.32)	0.734 (18.67)
34	1.200 (30.48)	0.800 (20.32)	1.000 (25.40)	0.600 (15.24)	0.467 (11.86)	0.934 (23.72)

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PLCC-XXXX-SMTX-TT
Nonvolatile Video Random
Access Memory Socket

SOJ — 40 4 TP — SMT L — TT

Number of Contacts:
26, 28, 32, 40, 42
(Contact factory for
other sizes)

Plating Code: Specify TT

L = with Locator Posts
Blank = without Locator Posts

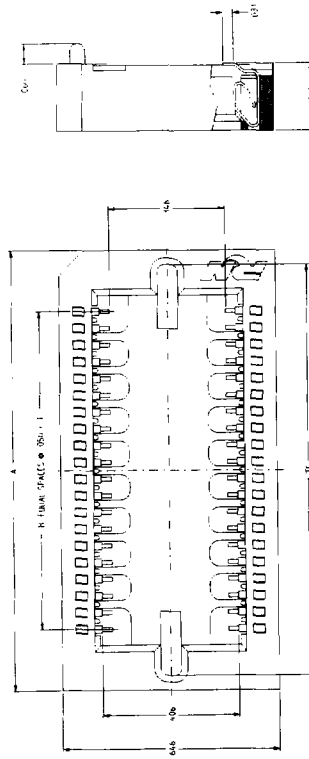
Row Spacing:

3 = .300 (7.62) 26 position only**
4 = .400 (10.16) all others
** Consult factory

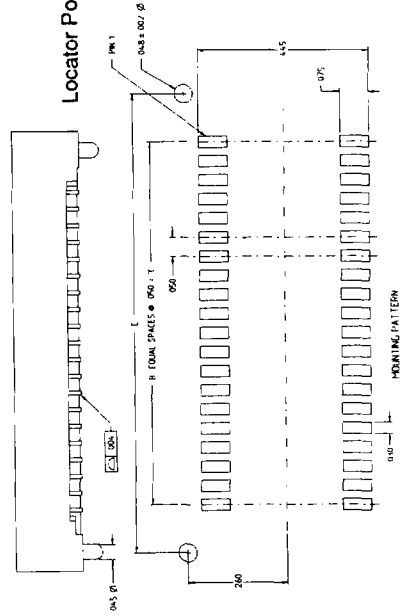
Packaging

TP = Tape and Reel
Blank = Tube Pack

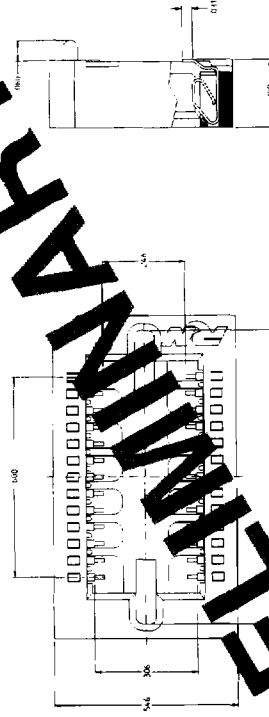
SOJ-284-SMTX-TT



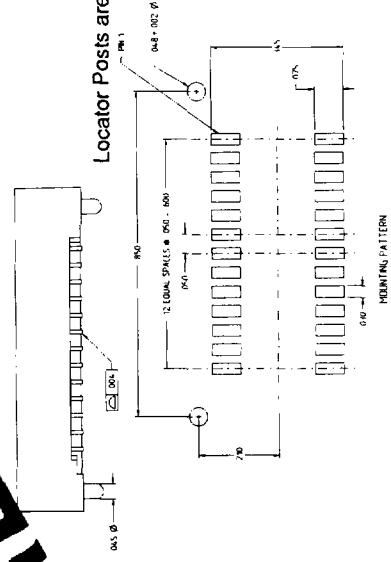
Locator Posts are Optional



SOJ-263-SMTX-TT



Locator Posts are Optional



Number of Contacts	"A"	"B"	"C"	"D"	"E"
28	1.015 (25.78)	13	0.650 (16.51)	0.928 (23.57)	0.900 (22.86)
32	1.115 (28.32)	15	0.750 (19.05)	1.028 (26.11)	1.000 (25.40)
40	1.315 (33.40)	19	0.950 (24.13)	1.228 (31.19)	1.200 (30.48)
42	1.365 (34.67)	20	1.000 (25.40)	1.278 (32.46)	1.250 (31.75)

Contact Factory for Additional Sizes

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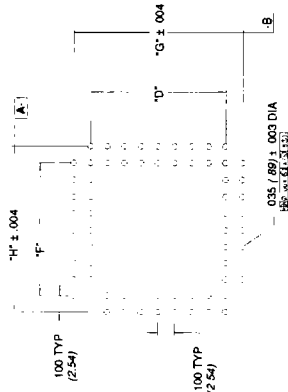
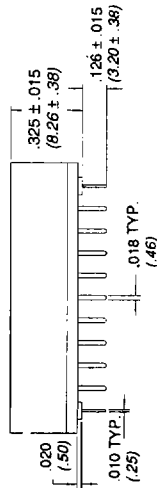
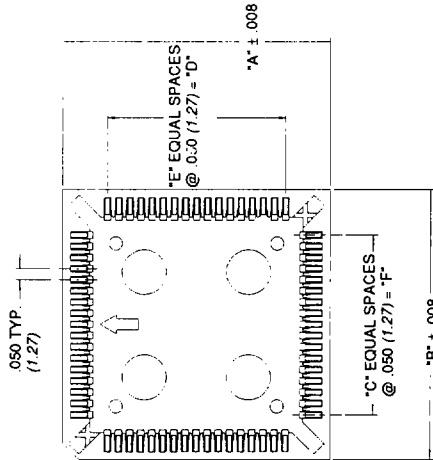
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SOJ-XXXX-SMTX-TT
Small Outline Dual In-Line
J-Leaded Socket

SOCKETS

PLCCB — 68 — PS — T Plating Code: Specify T

Number of Contacts: 20, 28, 32, 44, 52, 68



PART NUMBER	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
PLCCB-020-PS-T	0.613 (15.57)	0.613 (15.57)	4	0.200 (5.08)	4	0.200 (5.08)	0.400 (10.16)	0.400 (10.16)
PLCCB-028-PS-T	0.713 (18.11)	0.713 (18.11)	6	0.300 (7.62)	6	0.300 (7.62)	0.500 (12.70)	0.500 (12.70)
PLCCB-032-PS-T	0.795 (20.19)	0.795 (20.19)	6	0.300 (7.62)	8	0.400 (10.16)	0.500 (12.70)	0.600 (15.24)
PLCCB-044-PS-T	0.913 (23.19)	0.913 (23.19)	10	0.500 (12.70)	10	0.500 (12.70)	0.700 (17.78)	0.700 (17.78)
PLCCB-052-PS-T	1.060 (26.92)	1.060 (26.92)	12	0.600 (15.24)	12	0.600 (15.24)	0.800 (20.32)	0.800 (20.32)
PLCCB-068-PS-T	1.217 (30.91)	1.217 (30.91)	16	0.800 (20.32)	16	0.800 (20.32)	1.000 (25.40)	1.000 (25.40)

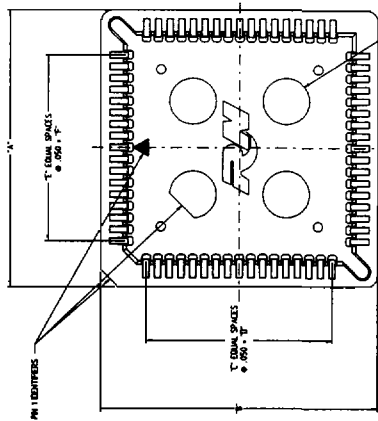
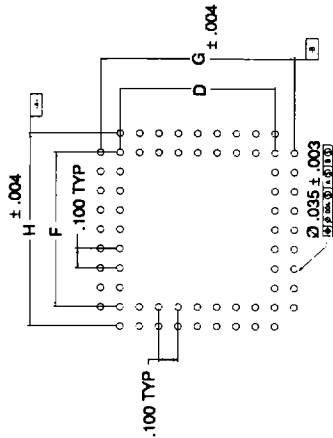
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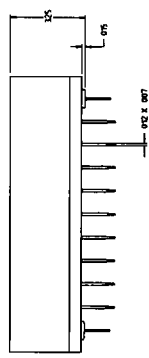
PLCCB-XXX-PS-T
Plastic Leaded Chip Carrier Socket, Thru-Hole Mounting

PLCCE — 68 — S1 — TT Plating Code: Specify TT

Number of Contacts: 20, 28, 32, 44, 52, 68, 84



20, 28 & 32 have only one drain hole located at the center of the part



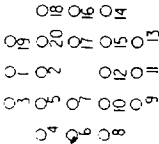
PART NUMBER	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
PLCCE-020-S1-TT	0.590 (14.99)	0.590 (14.99)	4	0.200 (5.08)	4	0.200 (5.08)	0.400 (10.16)	0.400 (10.16)
PLCCE-028-S1-TT	0.690 (17.53)	0.690 (17.53)	6	0.300 (7.62)	6	0.300 (7.62)	0.500 (12.70)	0.500 (12.70)
PLCCE-032-S1-TT	0.690 (17.53)	0.790 (20.07)	6	0.300 (7.62)	8	0.400 (10.16)	0.500 (12.70)	0.600 (15.24)
PLCCE-044-S1-TT	0.890 (22.61)	0.890 (22.61)	10	0.500 (12.70)	10	0.500 (12.70)	0.700 (17.78)	0.700 (17.78)
PLCCE-052-S1-TT	0.990 (25.15)	0.990 (25.15)	12	0.600 (15.24)	12	0.600 (15.24)	0.800 (20.32)	0.800 (20.32)
PLCCE-068-S1-TT	1.190 (30.23)	1.190 (30.23)	16	0.800 (20.32)	16	0.800 (20.32)	1.000 (25.40)	1.000 (25.40)
PLCCE-084-S1-TT	1.390 (35.31)	1.390 (35.31)	20	1.000 (25.40)	20	1.000 (25.40)	1.200 (30.48)	1.200 (30.48)

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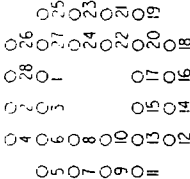
PLCCE-XX-S1-TT
Plastic Leaded Chip Carrier Socket, Thru-Hole

SOCKETS

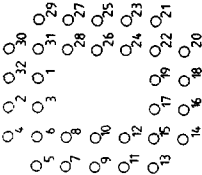
20 POSITION



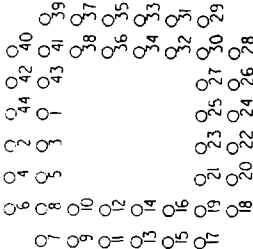
28 POSITION



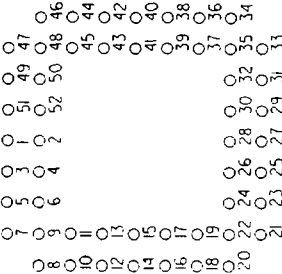
32 POSITION



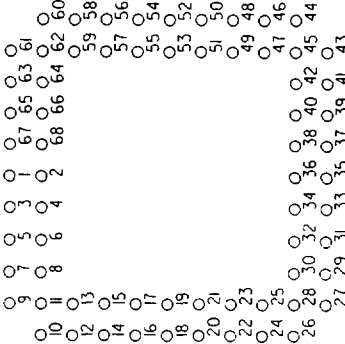
44 POSITION



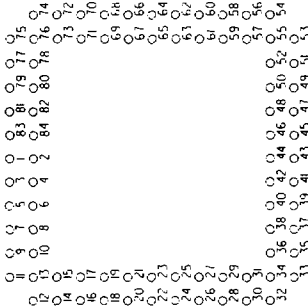
52 POSITION



68 POSITION

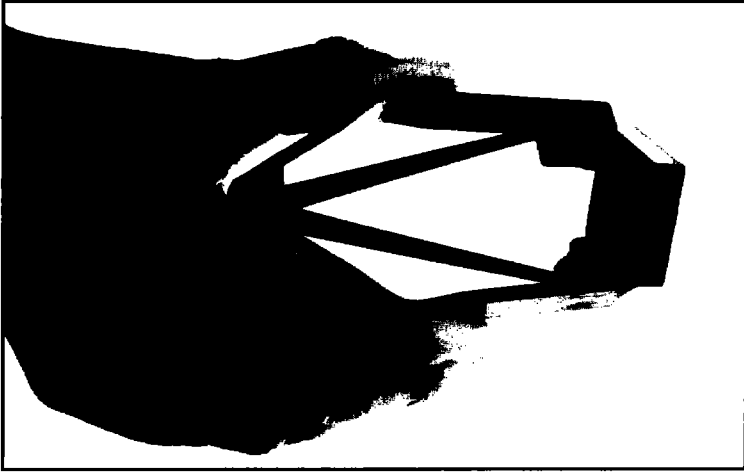


84 POSITION



(PLCCE Only)

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PLCCE & PLCCB Layout Diagrams	



← **Universal Extraction Tool:**

- Economical, easy to use extraction tool
- One tool works with all PLCC/SOJ sizes
- Compatible with many other suppliers' sockets



↑ **Tape & Reel Packaging Option:**

- Ideally suited for high speed pick and place SMT assembly
- Meets EIA 481 packaging specs

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PLCC-ET Universal Extraction Tool	