

Specifications for PLCC-SMT, SOJ and PLCCE Sockets

MATERIALS

Housing: High temperature thermoplastic Contacts: Phosphor Bronze Flammability: UL 94V-0	Plating: 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. 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
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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

Contact Resistance: Capacitance: Insulation Resistance:	PLCC-SMT & SOJ 20 milliohms 1 picofarad 1000 megohms min.	PLCCE 20 milliohms 1 picofarad 1000 megohms min.
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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 (Not available with location posts)

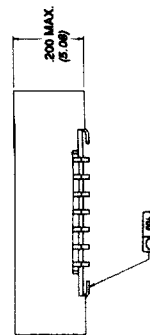
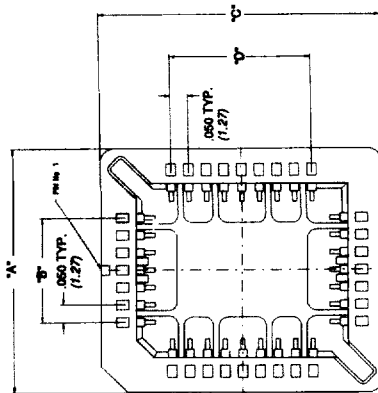
Blank = Tube Pack

Plating Code: Specify TT

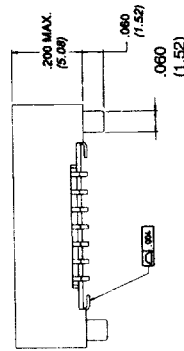
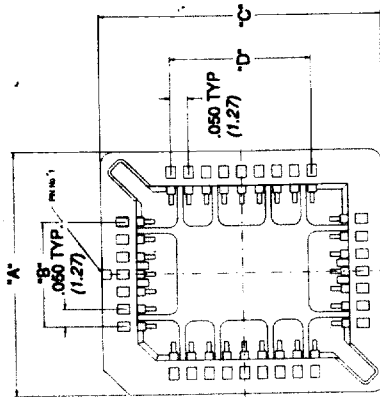
L = with Location Posts

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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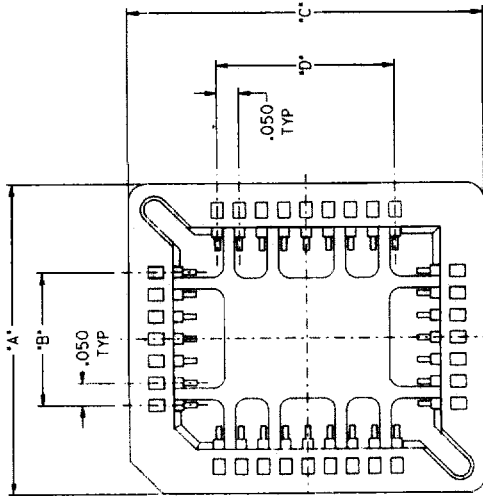
PLCC-XXXXXX-SMTL-TT 1 of 4
Plastic Leaded Chip Carrier Socket with
Optional Standoffs and Locator Posts

PLCC — XX TLP TP — SM — TT

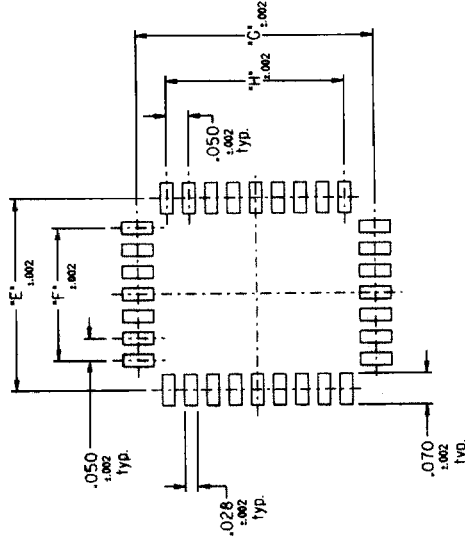
Number of Contacts:
32, 44

Packaging

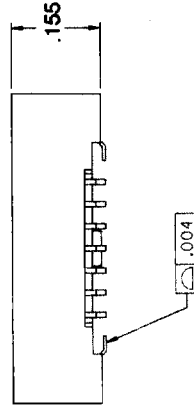
TP = Tape and Reel (Not available with location posts)
Blank = Tube Pack



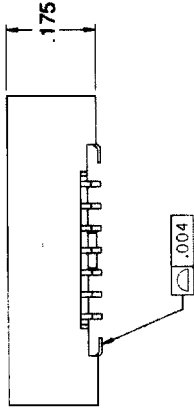
Recommended Mounting Pattern



PLCC-32TLP-SM-TT



PLCC-44TLP-SM-TT



Dimensional Specifications

No. of Contacts	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
32	0.700 (17.78)	0.300 (7.62)	0.800 (20.32)	0.400 (10.16)	0.434 (11.02)	0.300 (7.62)	0.534 (13.56)	0.400 (10.16)
44	0.900 (22.62)	0.500 (12.70)	0.900 (22.62)	0.500 (12.70)	0.634 (16.10)	0.500 (12.70)	0.634 (16.10)	0.500 (12.70)

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PLCC-XXTLP-SM-TT 2 of 4
Plastic Leaded Chip Carrier Socket with
Ultra Low Profile

PLCC-XX-SMT-TT Recommended Mounting Pattern

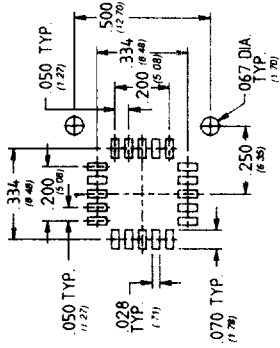
<p>PLCC-20-SMT-TT</p>	<p>PLCC-28-SMT-TT</p>	<p>PLCC-32-SMT-TT</p>	<p>PLCC-44-SMT-TT</p>
<p>NOTE: ALL TOL. ±.002</p>			
<p>PLCC-52-SMT-TT</p>	<p>PLCC-68-SMT-TT</p>	<p>PLCC-84-SMT-TT</p>	

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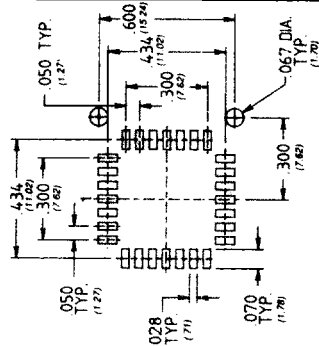
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PLCC-XXXXX-SMTX-TT 3 of 4
Without Optional Locator Posts

PLCC-XX-SMTL-TT Recommended Mounting Pattern

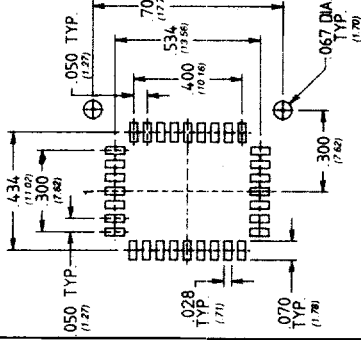


PLCC-20-SMTL-TT

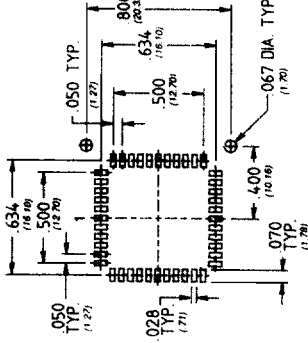


PLCC-28-SMTL-TT

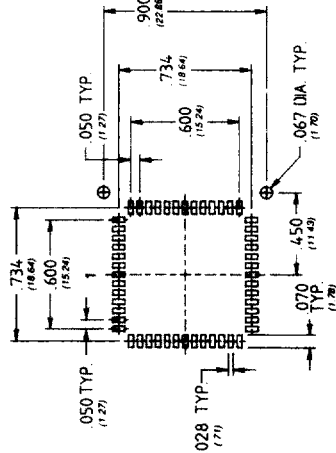
NOTE: ALL TOL. = ±.002



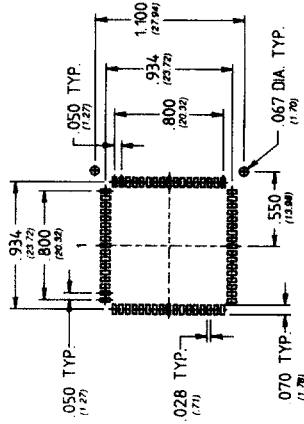
PLCC-32-SMTL-TT



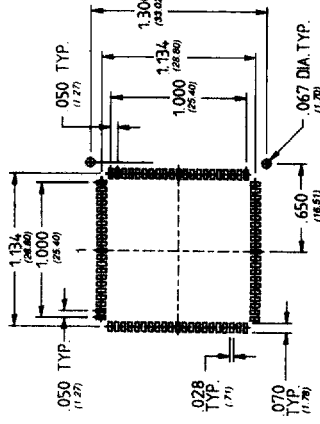
PLCC-44-SMTL-TT



PLCC-52-SMTL-TT



PLCC-68-SMTL-TT



PLCC-84-SMTL-TT

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PLCC-XXXXX-SMTL 4 of 4
With Optional Locator Posts

PLCC Socket for Non-Volatile RAMs and Real Time Clocks

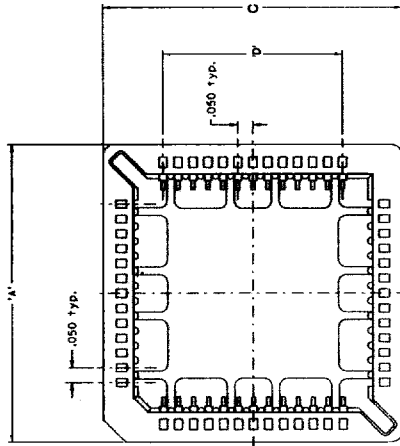
PLCC — XX TP — SMT L — TT

Number of Contacts:
26, 34

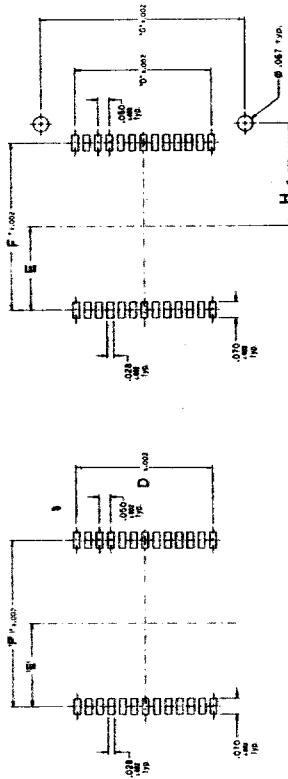
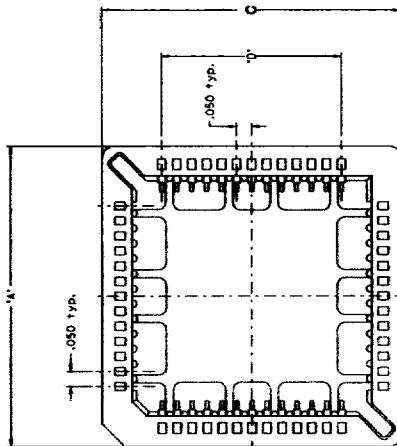
L = with Location Posts
Blank = without Location Posts

Packaging
TP = Tape and Reel (Not available with location posts)
Blank = Tube Pack

PLCC-XX-SMTL-TT With Location Post

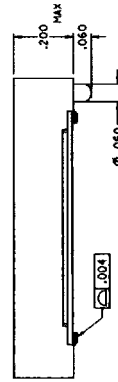
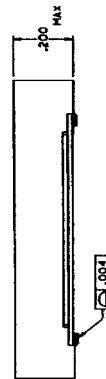


PLCC-XX-SMT-TT Without Location Post



PLCC-26-SMT-TT
Recommended Mounting Pattern

PLCC-26-SMTL-TT
Recommended Mounting Pattern



No. of Contacts	"A"	"C"	"D"	"E"	"F"	"G"	"H"
26	1.000 (25.40)	1.000 (25.40)	0.800 (15.24)	0.367 (9.32)	0.734 (18.67)	0.900 (22.86)	0.450 (11.43)
34	1.200 (30.48)	1.200 (30.48)	0.800 (20.32)	0.467 (11.66)	0.934 (23.72)	1.100 (27.94)	0.550 (13.97)

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

SOJ — 40 4 TP — SMT L — TT

Number of Contacts:
 28, 32, 40, 42 (.400 row spacing)
 26, 28, 32 (.300 row spacing)

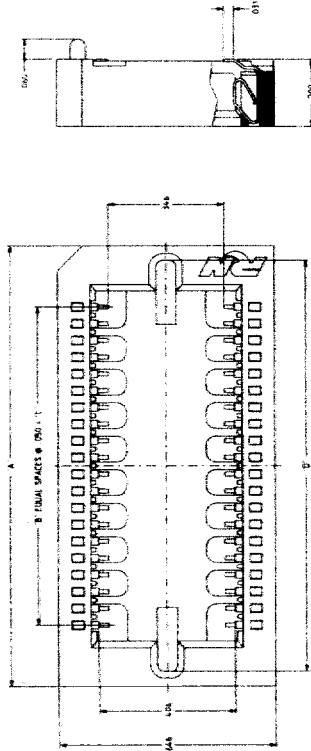
Plating Code: Specify TT

L = with Locator Posts
 Blank = without Locator Posts

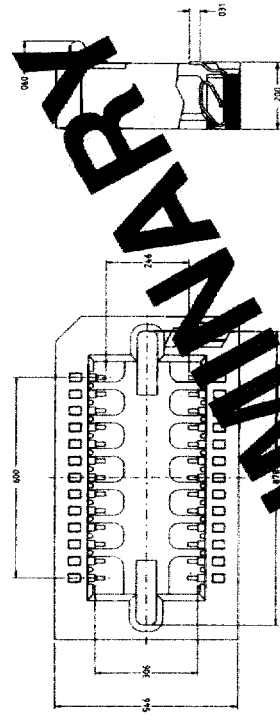
Row Spacing:
 3 = .300 (7.62)
 4 = .400 (10.16)

Packaging
 TP = Tape and Reel (Not available with location posts)
 Blank = Tube Pack

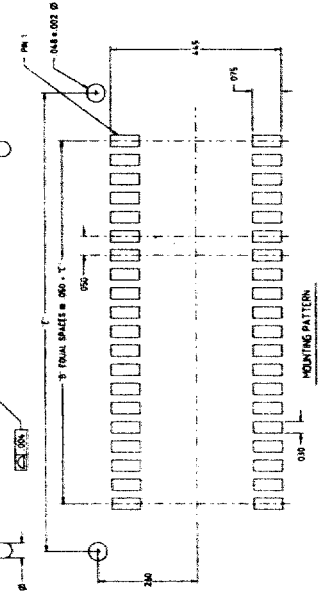
SOJ-284-SMTX-TT



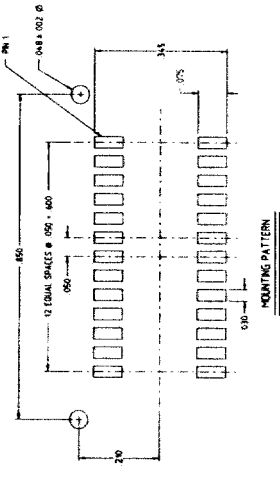
SOJ-263-SMTX-TT



Locator Posts are Optional



Locator Posts are Optional



PRELIMINARY

Number of Contacts	"A"	"B"	"C"	"D"	"E"
28	1.015 (26.78)	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 (26.17)	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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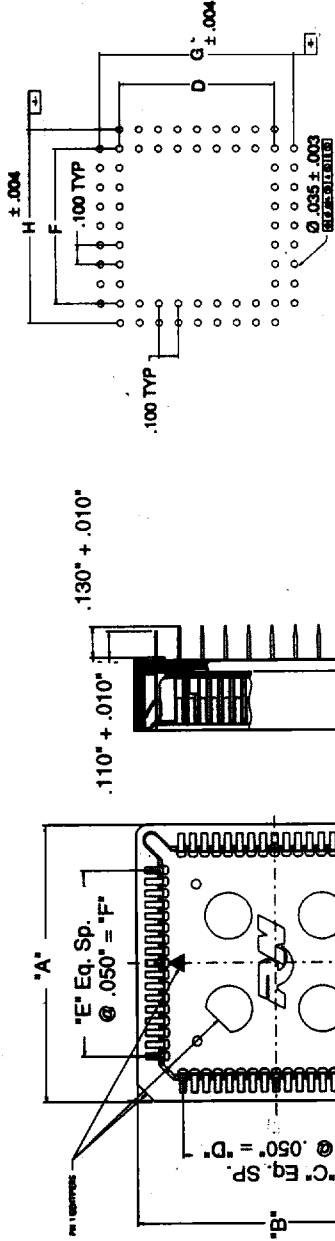
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 812/945-0805 FAX

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

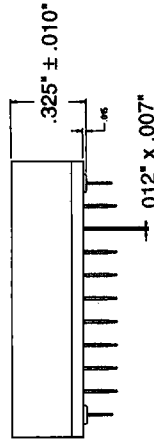
PLCCE — 068 — S1 — TT

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

Plating Code: Specify TT



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



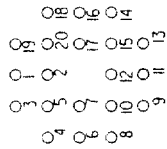
PART NUMBER	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
PLCCE-020-S1-TT	0.590 (14.99)	0.590 (14.99)	4	0.200 (5.08)	4	0.200 (5.08)	0.400 (10.16)	0.400 (10.16)
PLCCE-028-S1-TT	0.690 (17.53)	0.690 (17.53)	6	0.300 (7.62)	6	0.300 (7.62)	0.500 (12.70)	0.500 (12.70)
PLCCE-032-S1-TT	0.690 (17.53)	0.790 (20.07)	6	0.300 (7.62)	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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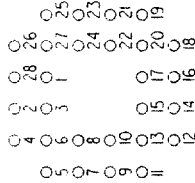
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812/945-0805 FAX

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

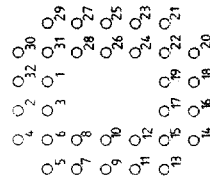
20 POSITION



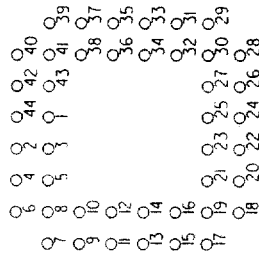
28 POSITION



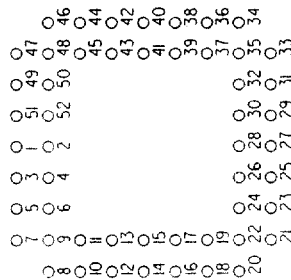
32 POSITION



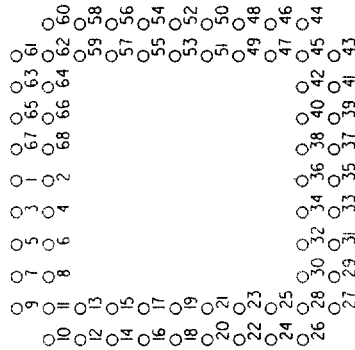
44 POSITION



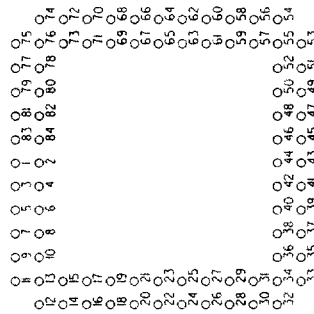
52 POSITION



68 POSITION



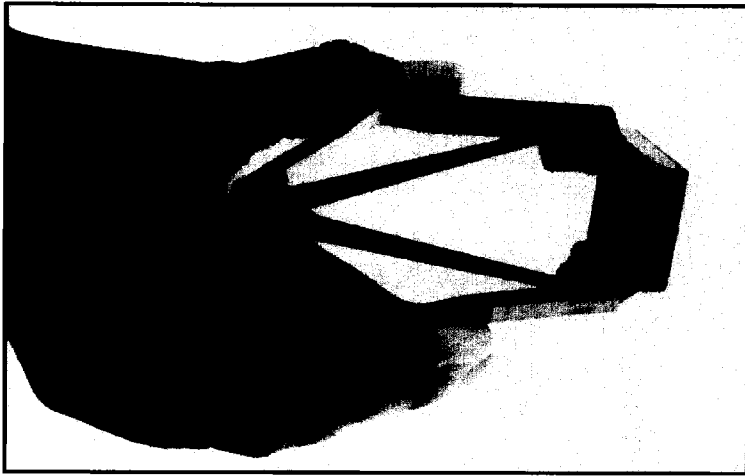
84 POSITION



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PLCCE
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