

PLCC SOCKETS

PLASTIC LEADED CHIP CARRIER SOCKET THROUGH HOLE PLCC SERIES

INTRODUCTION:

Adam Tech PLCC Sockets accept plastic leaded chip carriers conforming to EIA/JEDEC standards in registration MO-047, AA through AH. They convert the .050" chip centerlines to through-board leads on a .100" centerline grid. Our special contact design allows wide variations in tolerances while providing a uniform retention force. We offer standard as well as thin wall insulator versions for tight or side stacked applications and a gold plated contact option for improved dry circuit applications.

FEATURES:

- ☐ Visual and mechanical polarization for proper chip orientation
- ☐ Closed bottom eliminates bridging and solder wicking
- ☐ Open center and corner standoffs allow easy removal of flux residue
- ☐ Specially designed contacts offer superior chip compatibility for wide range of chip sizes
- ☐ Automatic insertion machine compatible

SPECIFICATIONS:

Material:

Insulator: Polybutylene Terephthalate (PBT), glass reinforced UL 94V-0 or optional High temp Polyphenylene Sulfide (PPS), glass reinforced UL 94V-0

Insulator color: PBT-Black; PPS-Dark Brown

Contacts: Phosphor Bronze, Beryllium Copper available

Plating:

100 μ m bright tin-lead plate all over to MIL-P-81728, Type 1 with 50 μ m copper underplate to MIL-C-14550 or 5 μ m gold nom. (optional 30 μ m) to MIL-G-45204, Type II, Grade C min on contact area only.

Electrical:

Operation voltage: 250 VAC max

Current rating: 1 Amp max

Contact resistance: 20 m Ω max

Insulation resistance: 1000 M Ω min @ 600 VDC between adjacent contacts (75°F and 50% R.H.)

Dielectric withstanding voltage: 600 VDC min rms (sea level)

Capacitance: 1.0 pF max between adjacent contacts

Mechanical:

Insertion force: with JEDEC chip 9 lbs. max

Withdrawal force: with JEDEC chip 2 lbs. min

Environmental:

Operating temperature: -65°C to +105°C (PBT)

-65°C to +125°C (PPS)

ACCESSORIES:

Extraction tool P/N PLCC-EXT

PACKAGING:

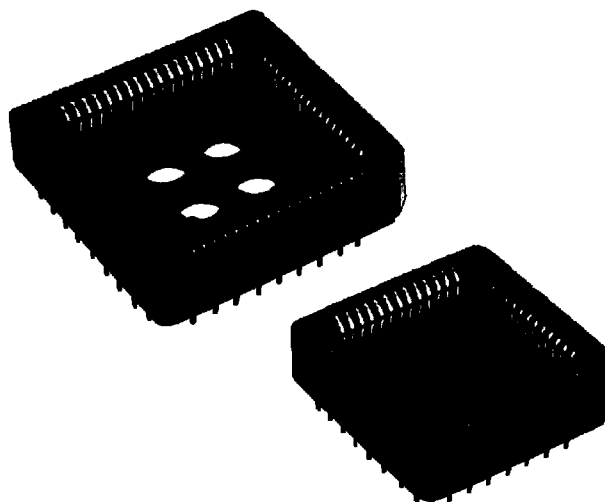
Anti-Static Plastic Trays. Plastic tubes or tape and reeled available.

APPROVALS AND CERTIFICATIONS:

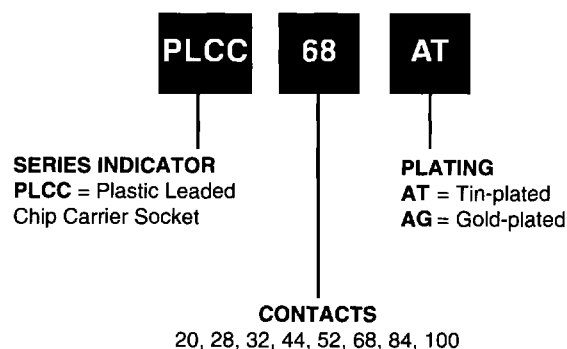
Recognized under the component program of Underwriters Laboratories, Inc. No. E167232

Certified by Canadian Standards Association No. LR75112

Verband Deutscher Elektrotechniker (VDE) APL42393



ORDERING INFORMATION



**HI-TEMP
OPTION**

OPTIONS:

N = Thin wall version for tight or side stacked applications with hi-temp Polyphenylene Sulfide (PPS) insulator material (44, 52, 68 and 84 position only)

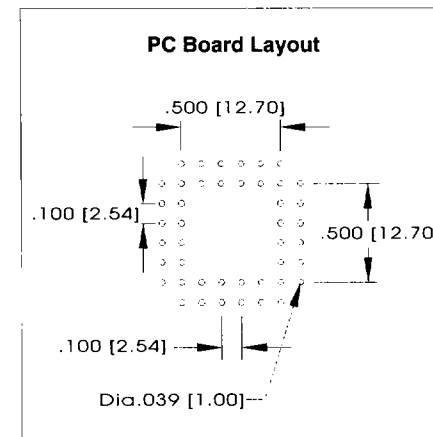
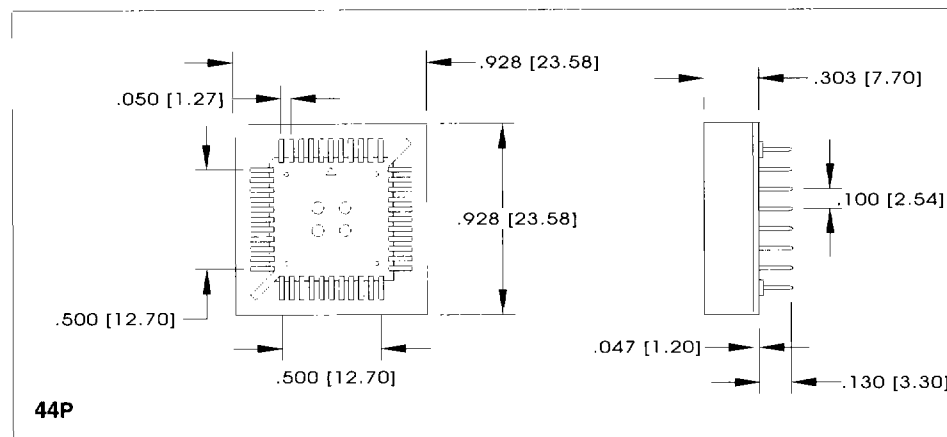
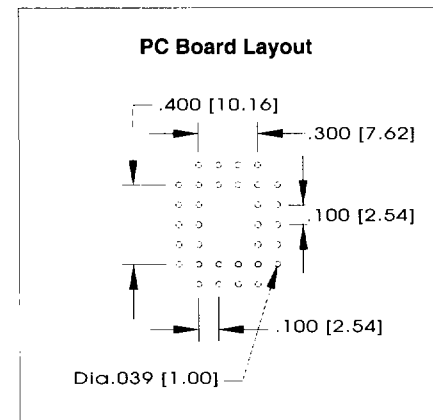
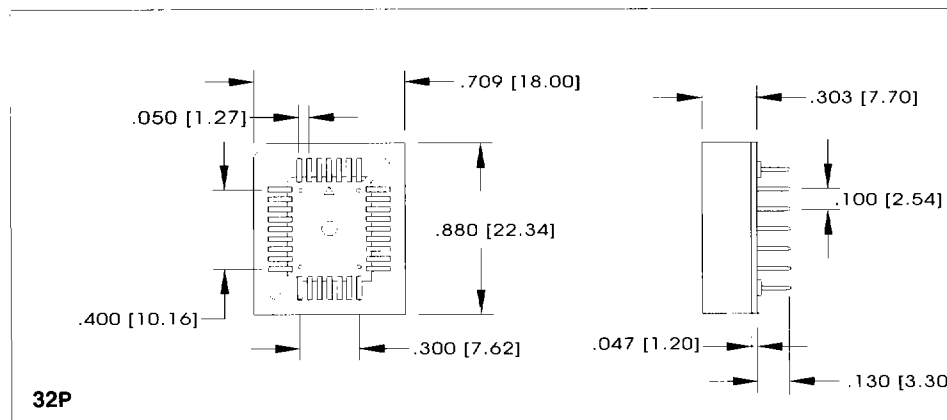
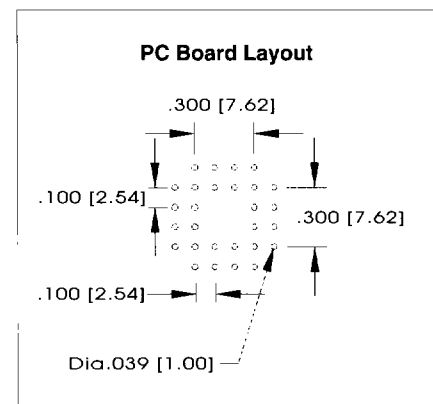
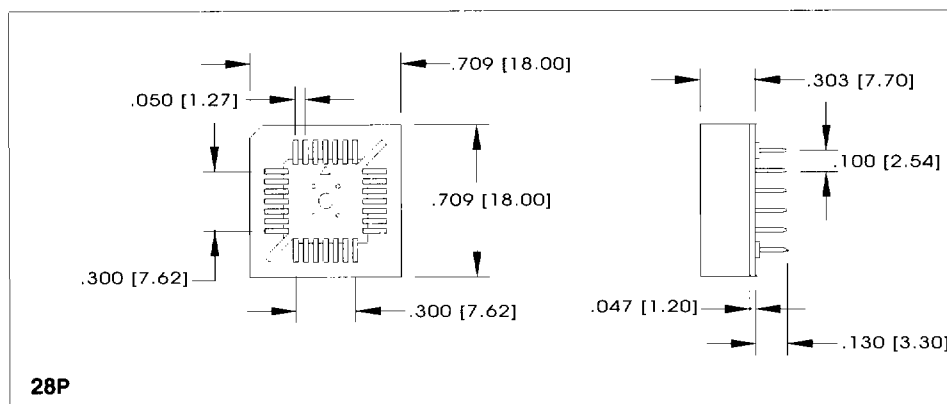
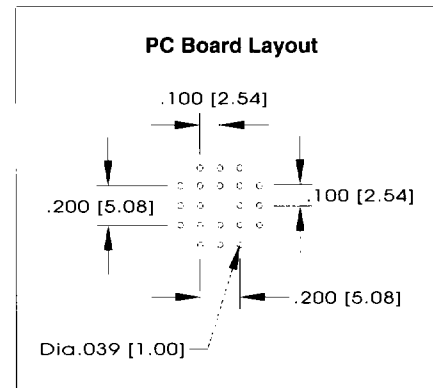
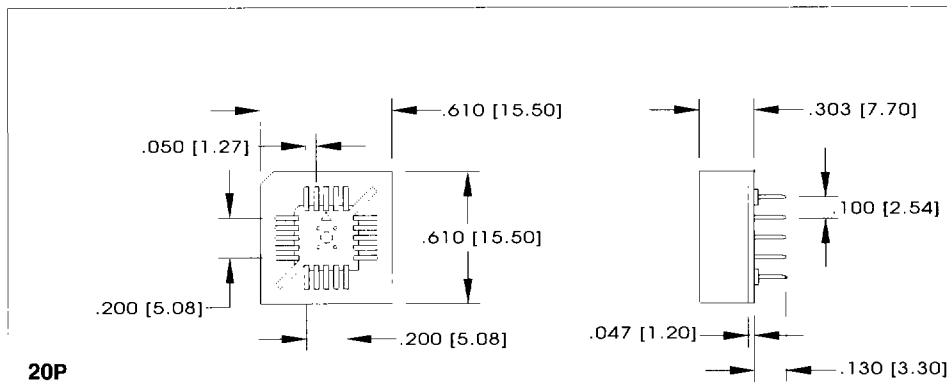
HT = Hi-Temp Polyphenylene Sulfide (PPS) Insulator Material

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THROUGH HOLE

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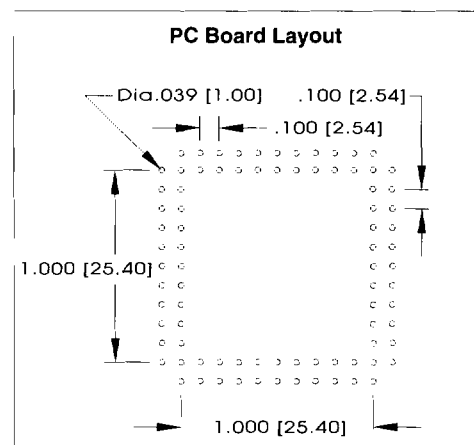
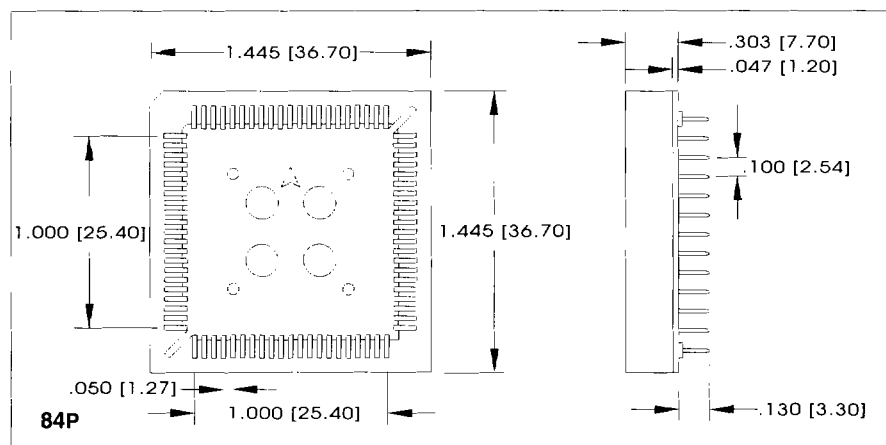
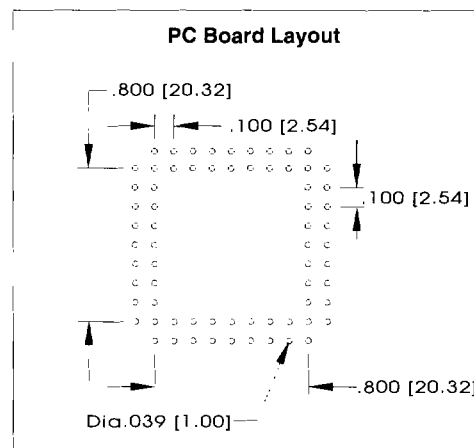
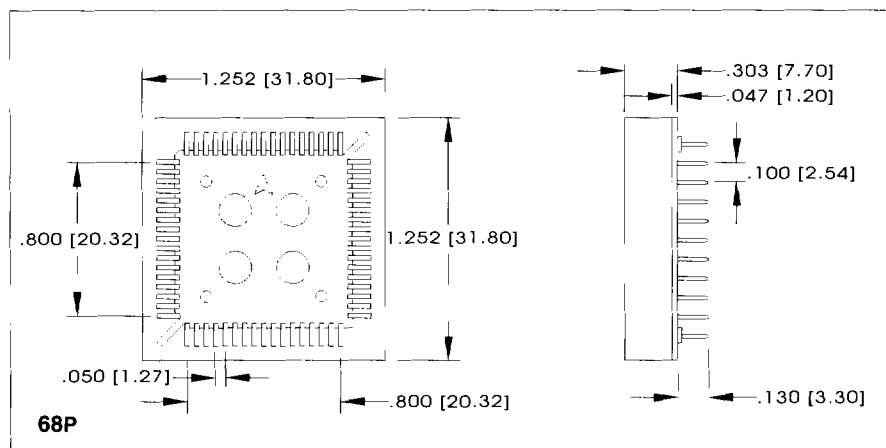
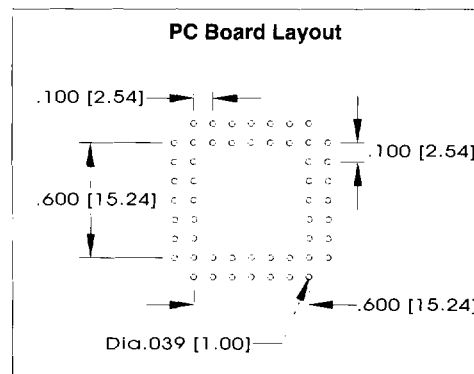
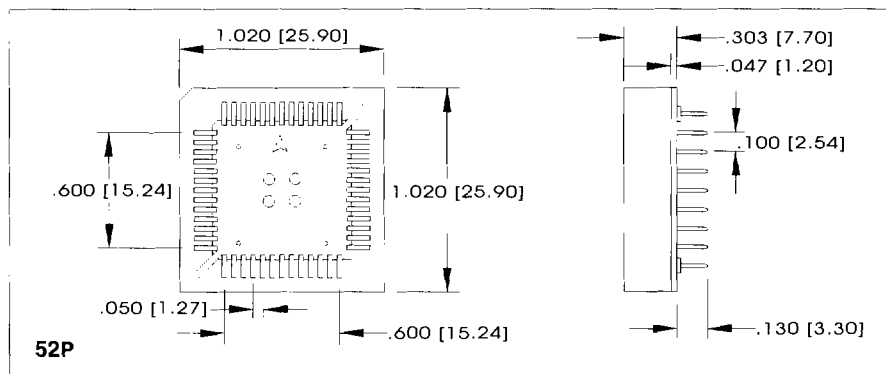


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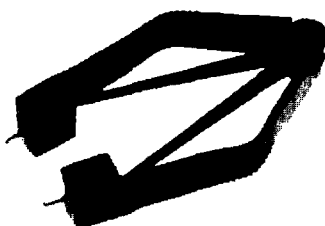
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P/N PLCC-EXT PLCC Extraction Tool

This extraction tool can be used
on all Adam Tech PLCC sockets.



Extraction is performed by compressing
the tool handles which mechanically lift
the chip carrier from its seated position
without damage to chip carrier or socket.

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THIN WALL - THROUGH HOLE

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