

PLCC SOCKETS

PLASTIC LEADED CHIP CARRIER SOCKET

SURFACE MOUNT

PLCC SERIES

INTRODUCTION:

Adam Tech SMT PLCC Series Sockets are low profile, thin wall sockets designed to hold plastic leaded chips which are converted to PCB format on a .050" centerline grid. They conform to all applicable EIA and JEDEC standards. Adam Tech's superior precision stamped contact provides consistent, high retention contacts for all size chips. Their open frame design allows easy solder joint inspection. They are manufactured with Hi-Temp PPS to accommodate SMT soldering processes. Chip exchanges or replacements are easily made with Adam Tech's chip remover part no. PLCC-EXT.

FEATURES:

- Full range of sizes from 20P ~ 100P
- Consistent, uniform high retention contacts
- Compatible with wide range of chip sizes
- No solder wicking design
- Hi Temp PPS insulator
- Open frame design for viewable solder joints

MATING PLASTIC LEADED CHIPS:

All EIA / JEDEC compliant PLCC

SPECIFICATIONS:

Material:

Insulator: PPS, Glass reinforced, rated UL94V-0

Insulator Color: Brown

Contacts: Phosphor Bronze

Contact Plating:

Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.

Current rating: 1 Amp max.

Contact resistance: 30 mΩ max. initial

Insulation resistance: 1000 MΩ min.

Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 6.35 oz max.

Withdrawal force: 1.0 oz min

Temperature Rating:

Operating temperature: -55°C to +105°C

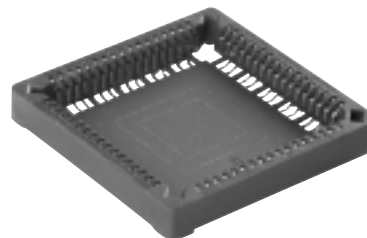
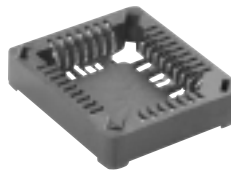
PACKAGING:

Anti-ESD plastic tubes

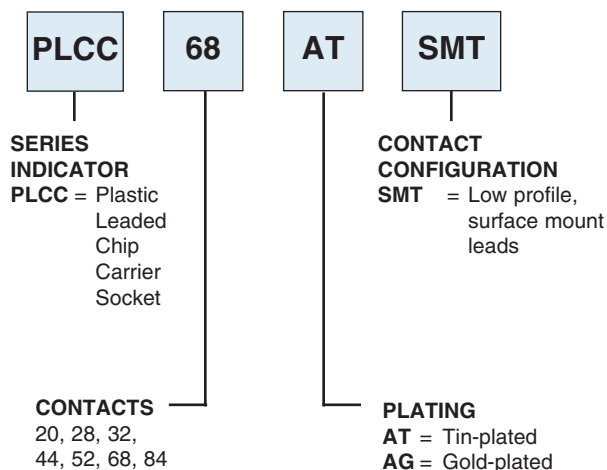
APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION



HI-TEMP
INSULATOR

OPTIONS:

Add designator(s) to end of part number

P = With polarizing pegs

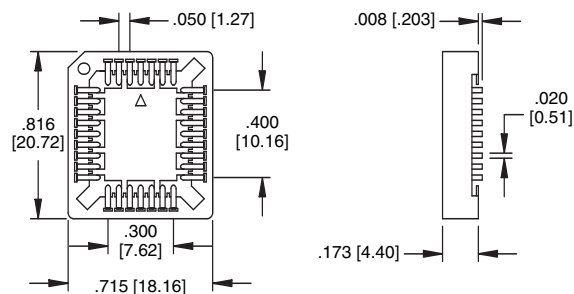
TR = Tape and reel packaging

RC = RoHS compliant lead-free product with Hi-Temp insulator



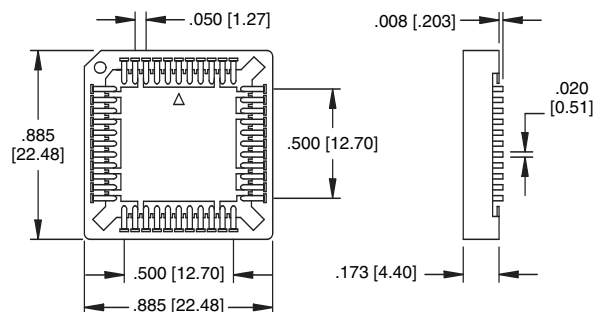
PLCC-32-AT-SMT

32 PIN



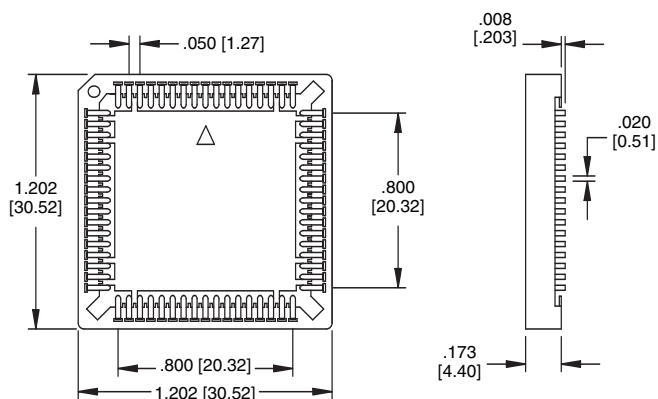
PLCC-44-AT-SMT

44 PIN



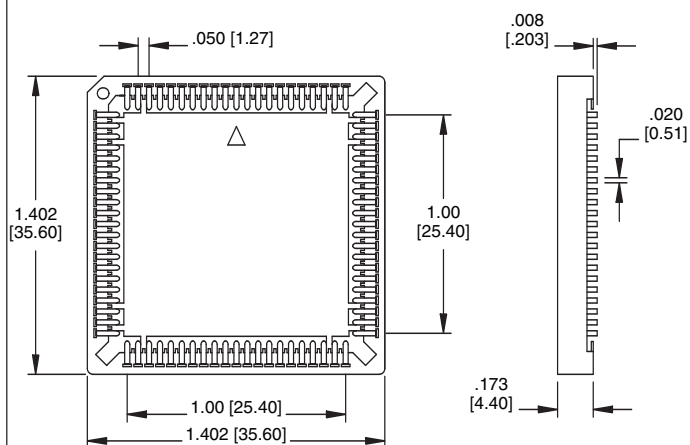
PLCC-68-AT-SMT

68 PIN



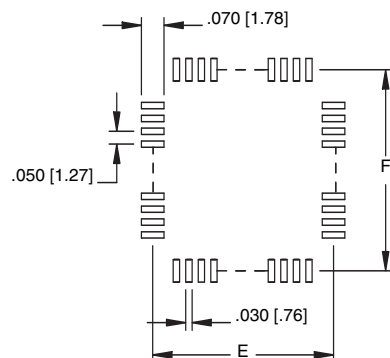
PLCC-84-AT-SMT

84 PIN

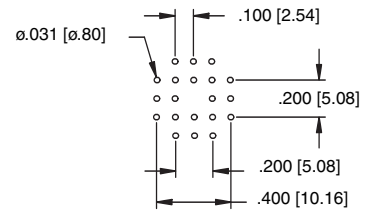
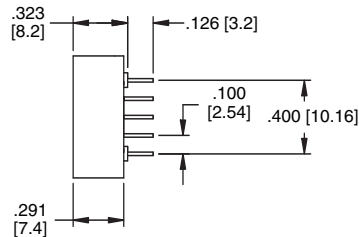
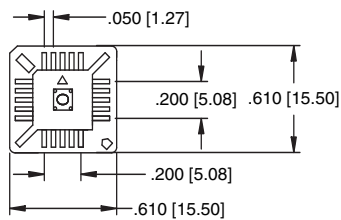


Recommended Solder Pad Layout

POSITION	E	F
20	.330 [8.37]	.330 [8.37]
28	.430 [10.91]	.430 [10.91]
32	.430 [10.91]	.529 [13.46]
44	.630 [15.99]	.630 [15.99]
52	.733 [18.61]	.733 [18.61]
68	.930 [23.61]	.930 [23.61]
84	1.13 [28.73]	1.13 [28.73]

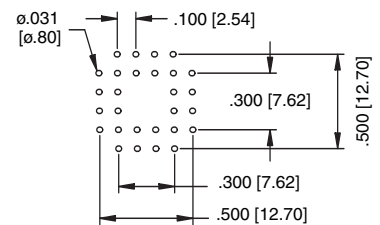
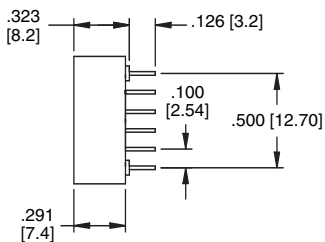
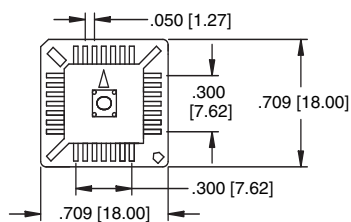


PLCC-20-AT



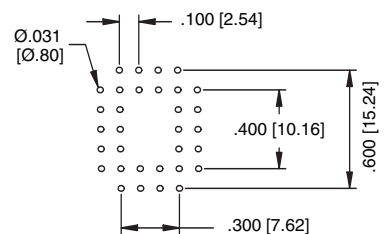
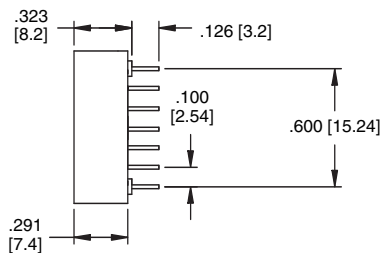
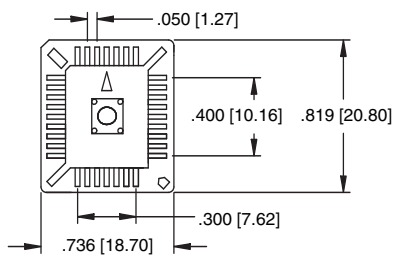
Recommended PCB Layout

PLCC-28-AT



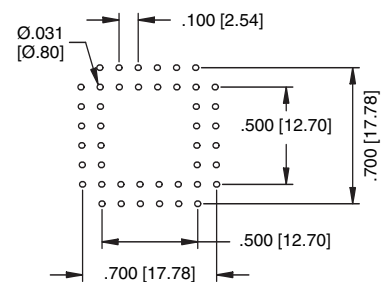
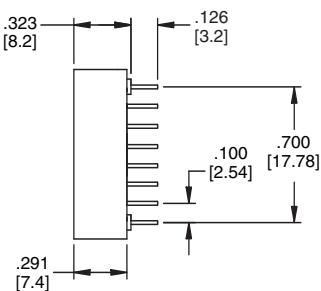
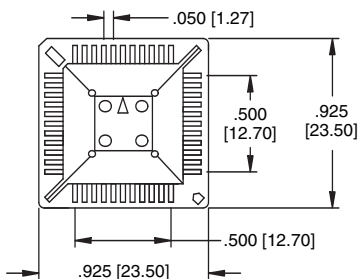
Recommended PCB Layout

PLCC-32-AT



Recommended PCB Layout

PLCC-44-AT



Recommended PCB Layout

PLCC SOCKETS

PLASTIC LEADED CHIP CARRIER SOCKET THROUGH HOLE PLCC SERIES

INTRODUCTION:

Adam Tech PLCC Series Sockets are designed to convert plastic leaded chips to a thru-hole PCB format on a .100" centerline grid. They conform to all applicable EIA and JEDEC standards. Adam Tech's superior precision stamped contact design provides consistent, high retention contacts for all size chips. Chip exchanges or replacements are easily made with Adam Tech's chip remover part no. PLCC-EXT.

FEATURES:

- Full range of sizes from 20P ~ 100P
- Consistent, uniform high retention contacts
- Compatible with wide range of chip sizes
- No solder wicking design
- Hi Temp PPS insulator version available

MATING PLASTIC LEADED CHIPS:

All EIA / JEDEC plastic leaded chips

SPECIFICATIONS:

Material:

Insulator: PBT (PPS optional), Glass reinforced, rated UL94V-0

Insulator Color: Black (Brown for PPS)

Contacts: Phosphor Bronze

Contact Plating:

Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.

Current rating: 1 Amp max.

Contact resistance: 30 mΩ max. initial

Insulation resistance: 1000 MΩ min.

Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 6.35 oz max.

Withdrawal force: 1.0 oz min

Temperature Rating:

Operating temperature: -55°C to +105°C

PACKAGING:

Anti-ESD plastic tubes

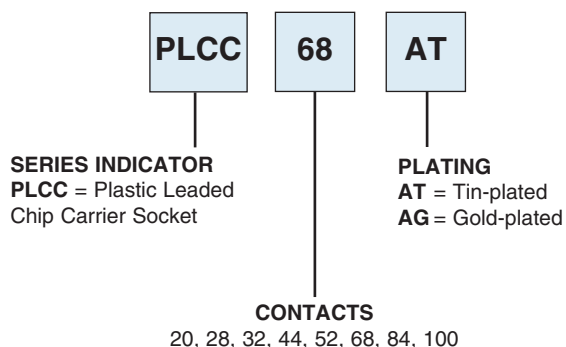
APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION



HI-TEMP
INSULATOR
AVAILABLE

OPTIONS:

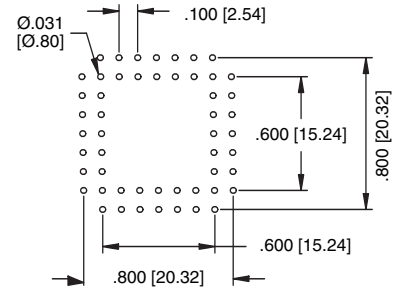
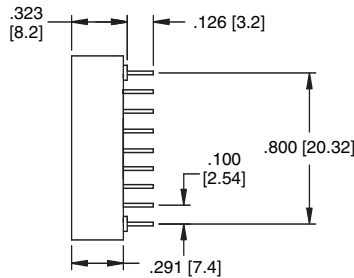
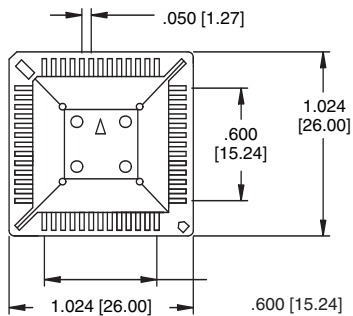
Add designator(s) to end of part number

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

RC = RoHS compliant lead-free product
with Hi-Temp insulator

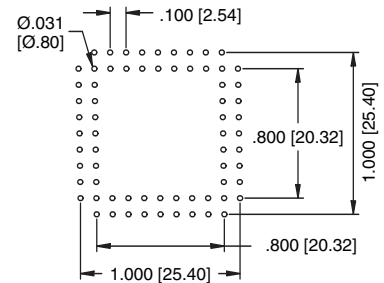
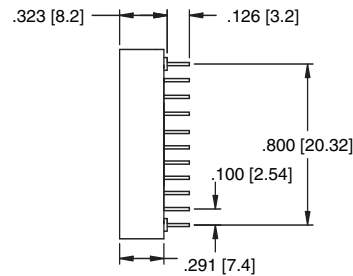
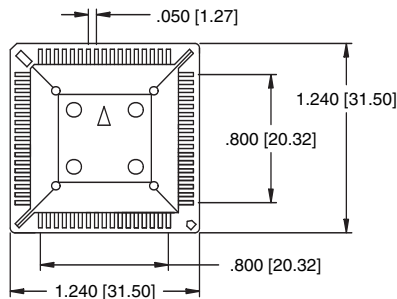


PLCC-52-AT



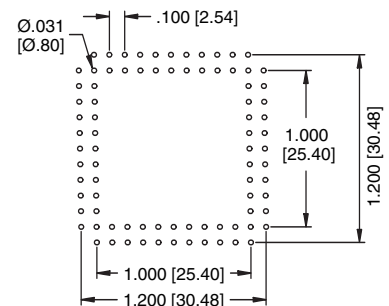
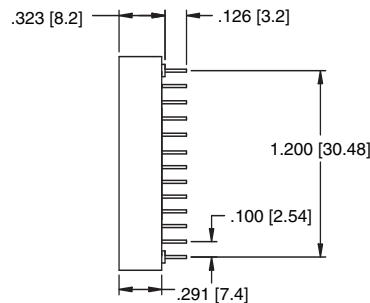
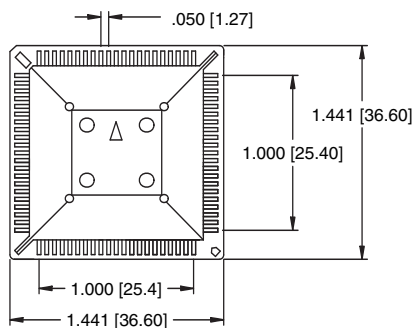
Recommended PCB Layout

PLCC-68-AT



Recommended PCB Layout

PLCC-84-AT



Recommended PCB Layout