

INTRODUCTION:

Adam Tech's wide range of PCI & Mini PCI Express connectors provide a low cost, highly scalable, general-purpose serial I/O interconnect that provides a unifying standard for a number of I/O solutions within one platform. They are typically used in high-speed serial link technology applications similar to that found in Gigabit Ethernet, Serial ATA (SATA), and Serial-Attached SCSI (SAS). The 36P version supports a single PCI express lane and can be used to replace standard PCI connectors. Our higher bandwidth 4 & 8 lane versions are ideal to use in many server applications.

FEATURES:

- Durable Long Life cycle contacts
- High Pressure Contacts for Low Level Circuits
- Hot plug and hot swap enabled
- Rated to run at up to 2.5Gbps
- Supports 2.5Gbps data transfer and scalable for future band width increases.
- Available in x1, x4, x8, and x16 configurations
- Coexists with standard PCI

MATING PC BOARDS:

All printed circuit boards with a thickness of .062" to .072"

SPECIFICATIONS:

Material:

- Standard insulator: PPS, 30% glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Dark Brown
- Contacts: Phosphor Bronze

Contact Plating:

Gold Flash (30 µin Optional) over Nickel underplate on contact area, tin over copper underplate on tails.

Electrical:

- Operating voltage: 125V AC max.
- Current rating: 3 Amps max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

- Insertion force: 7 oz max.
- Withdrawal force: 0.9 oz min

Temperature Rating:

- Operating temperature: -55°C to +105°C
- Soldering process temperature:
 - Standard insulator: 235°C
 - Hi-Temp insulator: 260°C

PACKAGING:

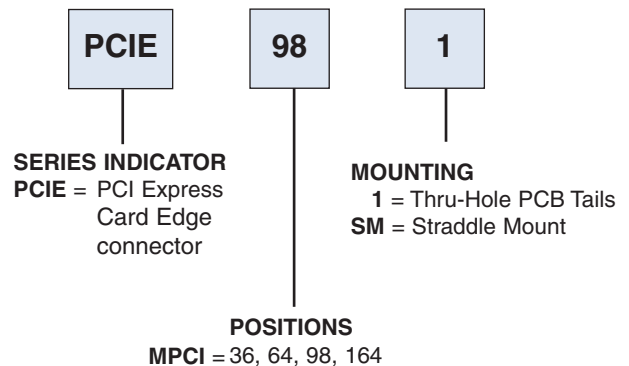
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

- UL Recognized File No. E224053
- CSA Certified File No. LR1578596



ORDERING INFORMATION PCI EXPRESS



ORDERING INFORMATION MINI PCI EXPRESS

See pg. 177 for Available Types

OPTIONS:

- Add designator(s) to end of part number
- 30** = 30 µin gold plating in contact area
- HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
- LL** = Latch option left side
- LR** = Latch option right side