

## PCI EXPRESS, MINI PCI EXPRESS & MINI PCI 1.00mm & 0.8mm CARD EDGE CONNECTOR PCIE SERIES

### INTRODUCTION:

Adam Tech's wide range of PCI Express, Mini PCI Express & Mini PCI 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 lane 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 (Black optional)  
 Contacts: Phosphor Bronze

#### Contact Plating:

Gold 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:

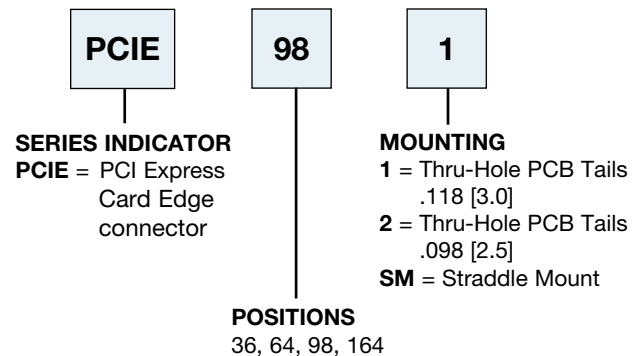
Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified,  
 File no. E224053



### ORDERING INFORMATION PCI EXPRESS



### ORDERING INFORMATION MINI PCI EXPRESS

See pg. 174 for Available Types

### MINI PCI

See pg. 175 for Available Types

#### OPTIONS:

Add designator(s) to end of part number  
**30** = 30 μin gold plating in contact area  
**WT** = White color insulation  
**HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C