

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

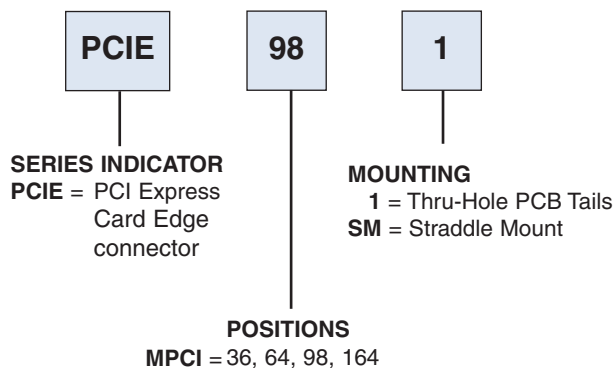
APPROVALS AND CERTIFICATIONS:

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

HI-TEMP
INSULATOR
AVAILABLE



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