PCI & MINI PCI EXPRESS

1.00mm & 0.8mm CARD EDGE CONNECTOR

PCIE SERIES

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 Gigabit1 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

RoHS COMPLIANT



ORDERING INFORMATION
PCI EXPRESS

PCIE	98	1

SERIES INDICATOR
PCIE = PCI Express Card Edge connector

POSITIONS
MPCI = 36, 64, 98, 164

MOUNTING
1 = Thru-Hole PCB Tails
SM = Straddle Mount

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