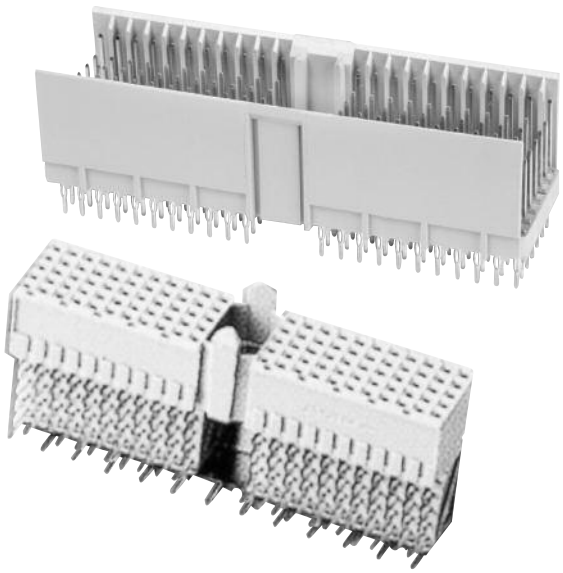
COMPACT PCI
2.00mm CENTERLINE
2PCI SERIES



INTRODUCTION:
Adam Tech 2PCI Series 2.00mm Compact PCI connector system is a hybrid of PCI using the Eurocard form popularized in VME bus. This high density, compact, 2.00mm pin and socket set is vertically mounted and features positive card retention with superior shock and vibration advantages. Adam Tech's advanced contact system provides a high performance gas tight connection with low inductance and controlled impedance making this series ideal for PCI signaling. This connector's controlled impedance minimizes unwanted signal reflections and enables Compact PCI systems to have eight slots, as compared to the desktop PC's four. Features include external metal shield and numerous grounding tabs for low ground bounce and reliable operation in noisy environments. Adam Tech also offers a special high performance plated thru-hole PCB version and is approved for NASA applications.

FEATURES:
Press-fit compliant termination
Provides 3 mating levels
Shield for EMI/RFI protection
Compatible with high speed data applications

MATING CONNECTORS:
Adam Tech 2PCI series and all industry standard 2.0mm Hard Metric Connectors.

SPECIFICATIONS:
Material:
Standard insulator: PBT glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Beige
Contacts: Brass or Phosphor Bronze
Shield: Copper Alloy, Tin Plated
Contact Plating:
Gold over Nickel underplate on contact area, Tin over Copper underplate on tails
Electrical:
Operating voltage: 500V AC max.
Current rating: 1 Amp max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 10000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute
Mechanical:
Insertion force: 0.168 lbs / contact max.
Withdrawal force: 0.033 lbs / contact min
Temperature Rating:
Operating temperature: -55°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:
Anti-ESD plastic tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

HI-TEMP INSULATOR AVAILABLE

RoHS COMPLIANT

ORDERING INFORMATION

2PCI	A	M	154	A	0

SERIES INDICATOR
2PCI = 2.0mm Compact PCI Connector

TYPE
A, AB19, AB22, AB25, B19, B22, B25, C

CONTACT TYPE
M = Male, Straight
F = Female, Right Angle

POSITIONS
55, 77, 95, 110, 120, 125, 127, 133, 146, 154, 169,175

CONTACT LENGTH
MALE = A Thru L
FEMALE = Z
(see pg 225)

SHIELD OPTIONS
0 = No Shield
1 = Upper Shield
2 = Lower Shield
3 = Upper & Lower Shield

OPTIONS:
Add designator(s) to end of part number
NP = No locating peg
ST = Straight non-press fit solder tail
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C