Meritec offers the PCI family as shown. All Meritec PCI connector footprints are identical to the vertical mount versions for joint compatibility in the PCB design.

### Features & Benefits
- RoHS Compliant products available
- Horizontal PCI card mating
- Meets all PCI local-bus standards (revision 2.3) for a 3.3 V or 5 V / 64-bit configuration
- Plastic cover protects unused PCI connectors from dust and debris, and supports connector for hybrid soldering applications requiring convection/IR heating
- Mounting holes for board attachment
- Through-hole solder-mount application compatible with wave soldering process
- Card mounting heights from .230" to .657" (see layout drawing for height table)
- Solves space-problem applications where card-edge connector is needed and where low clearance above PCB prohibits use of vertical configuration
- Insert molded in liquid-crystal polymer for stability in hybrid-board applications involving surface-mount components
- Offers PCB design flexibility
- Designed to mate with .062" thick PCB
- Choice of rivets or retention clips as hold-down fasteners

### Specifications
#### Electrical
- Contact resistance: 40 milliohm (maximum)
- Dielectric-withstanding voltage: 500 VAC (minimum) at 60 Hz
- Current rating: 1.0 amp (continuous)
- Insulation resistance: >1 x 10^9 ohms at 500 VDC

#### Mechanical
- Contact material: Copper Alloy
- Number of contacts:
  - 25°: 120
  - 32 Bit: 120
  - 64 Bit: 184
  - 2 x 25: 50
- Standard contact finish: selectively plated contact surface consists of gold-flash over nickel on the mating interface
- Special order contact finish: specific gold plating thickness available upon request
- Rivet material: brass nickel plated
- Retention clip: Copper Alloy
- Insertion force: 150 grams/opposing contact pair (maximum)
- Normal force: 75 grams/contact (minimum)
- Dielectric material: glass filled liquid-crystal polymer (black)

#### Environmental
- Material: UL 94V-0 Recognized
- Operating range: −40 °C to +105 °C
25° 3.3 V and 5V/32-Bit PCI Connectors

LAYOUT DRAWING ILLUSTRATED: 25° 5V/32 BIT PCI CONNECTOR

RECOMMENDED MOUNTING HOLE PATTERNS PER PCI SPECIFICATION, REV. 2.0

3.3V/32 Bit PCI Connector

5V/32 Bit PCI Connector

PART NUMBER

PART NUMBER

Note: 25° 32-Bit PCI Connectors available with rivets only.
### Right Angle 3.3 V and 5 V / 32-Bit PCI Connectors

#### LAYOUT DRAWING ILLUSTRATED: RIGHT ANGLE 5V/32 BIT PCI CONNECTOR

![Diagram of PCI Connector](image)

#### RECOMMENDED MOUNTING HOLE PATTERNS PER PCI SPECIFICATION, REV. 2.0

- **5V/32 Bit PCI Connector**
- **3.3V/32 Bit PCI Connector**

#### 3.3V and 5V CONNECTORS

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<th>DIM “C”</th>
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<th>3.3V with Clips</th>
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</table>

- **DIM “A”** = OVERALL HEIGHT
- **DIM “B”** = CARD MOUNTING HEIGHT
- **DIM “C”** = TAIL LENGTH
Right Angle 3.3 V and 5V/64-Bit PCI Connectors

**LAYOUT DRAWING ILLUSTRATED: RIGHT ANGLE 5V/64 BIT PCI CONNECTOR**

**RECOMMENDED MOUNTING HOLE PATTERNS PER PCI SPECIFICATION, REV. 2.0**

**3.3V and 5V CONNECTORS**

<table>
<thead>
<tr>
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<th>DIM &quot;C&quot;</th>
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</table>

DIM "A"=OVERALL HEIGHT, DIM "B"=CARD MOUNTING HEIGHT, DIM "C"=TAIL LENGTH
2 x 25 Right Angle Card-Edge Connectors

LAYOUT DRAWING ILLUSTRATED: 2 X 25 RIGHT ANGLE CARD EDGE CONNECTOR

RECOMMENDED MOUNTING HOLE PATTERN

TYPICAL COMPANION USAGE SHOWING STACKABILITY OF CONNECTORS

Note: 2 x 25 Right Angle Card-Edge Connectors available with rivets only.