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 product available
- Horizontal PCI card mating
- Meets all PCI local bus standards (revision 2.3) for a 3.3V or 5V/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 (min) @ 60 Hz
- Current rating: 1.0 amp (continuous)
- Insulation resistance: >1 x 10^9 ohms @ 500 VDC

**Mechanical:**
- Contact material: copper alloy
- Number of contacts: 25\(^\circ\) 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 (max)
- Normal force: 75 grams/contact (min)
- Dielectric material: glass filled liquid crystal polymer (black)

**Environmental:**
- Material: UL 94V-0
- Operating Range: -40\(^\circ\)C to 105\(^\circ\)C
LAYOUT DRAWING ILLUSTRATED: 25° 5V/32 BIT PCI CONNECTOR

RECOMMENDED MOUNTING HOLE PATTERNS
PER PCI SPECIFICATION, REV. 2.0

3.3V CONNECTORS

<table>
<thead>
<tr>
<th>DIM &quot;C&quot;</th>
<th>PART NUMBER</th>
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</thead>
<tbody>
<tr>
<td>.100</td>
<td>980141-120-2MFF</td>
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<tr>
<td>.125</td>
<td>980142-120-2MFF</td>
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<tr>
<td>.140</td>
<td>980143-120-2MFF</td>
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5V CONNECTORS

<table>
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<tr>
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<th>PART NUMBER</th>
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</thead>
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<tr>
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<tr>
<td>.140</td>
<td>980183-120-2MFF</td>
</tr>
</tbody>
</table>

Note: 25° 32 Bit PCI Connectors available with rivets only.
Right Angle 3.3V and 5V/64 Bit PCI Connectors

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

RECOMMENDED MOUNTING HOLE PATTERNS

3.3V and 5V CONNECTORS

<table>
<thead>
<tr>
<th>DIM &quot;A&quot;</th>
<th>DIM &quot;B&quot;</th>
<th>DIM &quot;C&quot;</th>
<th>PART NUMBERS 3.3V with Rivets</th>
<th>3.3V with Clips</th>
<th>5V with Clips</th>
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<tbody>
<tr>
<td>.49</td>
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</tr>
</tbody>
</table>

DIM "A"=OVERALL HEIGHT, DIM "B"=CARD MOUNTING HEIGHT, DIM "C"=TAIL LENGTH

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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.

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