PCI EXPRESS® EDGE CARD SOCKETS
(1.00 mm) .0394" PITCH

FEATURES & BENEFITS
- 1.00 mm pitch
- Supports 1, 4, 8 and 16 PCI Express® links
- PCIE® 3.0 Solution (PCIE)
- PCIE® 4.0 Solution with low-profile design for space savings (PCIE-LP)
- PCIE® 4.0 with slim body design (PCIE-G4)
- PCIE® 5.0 Solution with differential pair signaling (PCIE-G5)
- Vertical, right-angle and edge mount
- Mates with .062” (1.60 mm) thick cards
- Alignment pin and weld tab options

KEY SPECIFICATIONS

<table>
<thead>
<tr>
<th>SERIES</th>
<th>TOTAL PINS (LANES)</th>
<th>INSULATOR MATERIAL</th>
<th>CONTACT MATERIAL</th>
<th>OPERATING TEMP RANGE</th>
<th>CURRENT RATING</th>
<th>VOLTAGE RATING</th>
<th>PCIE® COMPATIBILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCIE</td>
<td>36 (x1), 64 (x4), 98 (x8), 164 (x16) -TH = Black Nylon -EMS2 &amp; -TH = LCP</td>
<td>Phosphor Bronze</td>
<td>-55 °C to +125 °C</td>
<td>2.4 A (2 pins)</td>
<td>215 VAC</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>PCIE-LP</td>
<td>36 (x1), 64 (x4), 98 (x8), 164 (x16)</td>
<td>LCP</td>
<td>Phosphor Bronze</td>
<td>-55 °C to +125 °C</td>
<td>2.1 A (2 pins)</td>
<td>215 VAC</td>
<td>4.0</td>
</tr>
<tr>
<td>PCIE-G4</td>
<td>36 (x1), 64 (x4), 98 (x8), 164 (x16)</td>
<td>LCP</td>
<td>Copper Alloy</td>
<td>-55 °C to +125 °C</td>
<td>2.2 A (2 pins)</td>
<td>300 VAC</td>
<td>4.0</td>
</tr>
<tr>
<td>PCIE-G5</td>
<td>36 (x1), 64 (x4), 98 (x8), 164 (x16)</td>
<td>LCP</td>
<td>Copper Alloy</td>
<td>-55 °C to +125 °C</td>
<td>3.2 A (2 pins)</td>
<td>235 VAC</td>
<td>5.0</td>
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</tbody>
</table>

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec’s specifications which are subject to change without notice.
### PCIE Card Mates:
- (1.60 mm) .062” card

### Cable Mates:
- PCIE

#### Positions:
- **036** (x1): (25.00) .984
- **064** (x4): (39.00) 1.535
- **098** (x8): (56.00) 2.205
- **164** (x16): (89.00) 3.504

#### Plating Options:
- **F** = Gold Flash on contact, Tin on tail

#### Tail Options:
- **EMS2** = Edge Mount
- **TH** = Through-hole
- **RA** = Right-angle

### PCIE-LP Card Mates:
- (1.60 mm) .062” card

### Cable Mates:
- PCIE

#### Positioning:
- **A**
  - **01** (x1): (26.60) 1.047
  - **04** (x4): (40.60) 1.598
  - **08** (x8): (57.60) 2.268
  - **16** (x16): (90.60) 3.567

#### Plating Options:
- **F** = Gold Flash on contact, Matte Tin on tail
- **S** = 30 µ" (0.75 µm) Gold on contact, Matte Tin on tail

#### Packaging Options:
- **WT** = Weld Tab
- **K** = Polyimide film Pick & Place Pad
- **TR** = Tape & Reel
  - (*) R required with -01, -04, -08 lanes
- **FR** = Full Reel
  - Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

View complete specifications at: [samtec.com?PCIE](http://samtec.com?PCIE)