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>-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>
</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>
</tr>
</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 - LP

**NUMBER OF LANES**
-01, -04, -08, -16

**PLATING OPTION**
-01
-04
-08
-16

**A**
- Gold Flash on contact, Matte Tin on tail
- 30 µ" (0.75 µm) Gold on contact, Matte Tin on tail

**WT**
- Weld Tab

**TR**
- Tape & Reel
  - "X"R required with -01, -04, -08 lanes
  - Must order max. quantity per reel; contact Samtec for quantity breaks

**FR**
- Full Reel
  - "X"R required with -01, -04, -08 lanes

**PACKAGING**
- For -16 lanes only leave blank for Tray Packaging

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**PCIE**

**NUMBER OF POSITIONS**
-036, -064, -098, -164

**PLATING OPTION**
-02

**D**
- Gold flash on contact, Tin on tail

**TAIL OPTION**
- EMS2
  - Edge Mount
- TH
  - Through-hole
- RA
  - Right-angle

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**View complete specifications at:** [samtec.com/PCIE-LP](http://samtec.com/PCIE-LP)

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**Note:** Some lengths, styles and options are non-standard, non-returnable.