HIGH-SPEED EDGE CARD SYSTEMS

0.80 mm PITCH

FEATURES & BENEFITS

- 28 Gbps NRZ performance
- PCI Express® 3.0 & 4.0 Capable
- Edge Rate® contacts optimized for signal integrity performance and cycle life
- Up to 200 positions available
- Extended Life Product™ (E.L.P.”™) for high mating cycles

KEY SPECIFICATIONS

<table>
<thead>
<tr>
<th>SERIES</th>
<th>PITCH</th>
<th>TOTAL POSITIONS</th>
<th>INSULATOR MATERIAL</th>
<th>CONTACT MATERIAL</th>
<th>OPERATING TEMP RANGE</th>
<th>CURRENT RATING</th>
<th>VOLTAGE RATING</th>
<th>LEAD-FREE SOLDERABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-HSEC8</td>
<td>0.80 mm</td>
<td>18-200</td>
<td>Black LCP</td>
<td>BeCu</td>
<td>-55 ℃ to +125 ℃</td>
<td>2.8 A (2 pins)</td>
<td>240 VAC</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Positions where no dimensions are given do not have keying feature.
† Available with -01 Card Only

A-HSEC8-DV
Card Mates:
(1.60 mm) .062” card
(2.36 mm) .093” card

A-HSEC8 - 1 POSITIONS PER ROW - CARD THICKNESS - PLATING OPTION - DV - A - OTHER OPTIONS - TR

-01 = (1.60 mm) .062” thick card
-03 = (2.36 mm) .093” thick card
-L = 10 µ” (0.25 µm) Gold on contact area, Matte Tin on tail
-K = Polymide Pick & Place Pad
-BL = Board Locks (–01 card only)
-TR = Tape & Reel (10 - 70 only)

Due to technical progress, all designs, specifications and components are subject to change without notice.

Samtec shall only comply with IATF-16949 on products it certifies as Automotive Custom Design “ACD” or on those designated with “A-.” Samtec part # prefix “A-” products are designed to Samtec’s specifications not customers’ specifications. Contact autosalesgroup@samtec.com with questions.
A-HSEC8 - POSITIONS PER ROW - CARD THICKNESS - PLATING OPTION - RA - OTHER OPTIONS - TR

-1 = 1.6 mm .062” thick card
-L = 10 µ (0.25 µm) Gold on contact area, Matte Tin on tail
-01 = Board Locks (09, 13, 25, 49, 40, 50, 60 only)
-TR = Tape & Reel

<table>
<thead>
<tr>
<th>POSITIONS PER ROW</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>(43.8) 1.724</td>
<td>(18.9) 0.744</td>
<td>(36.6) 1.441</td>
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<tr>
<td>50</td>
<td>(51.8) 2.039</td>
<td>(22.9) 0.902</td>
<td>(44.6) 1.756</td>
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<tr>
<td>60</td>
<td>(59.8) 2.354</td>
<td>(26.9) 1.059</td>
<td>(52.6) 2.071</td>
</tr>
<tr>
<td>40-BL</td>
<td>(51.3) 2.020</td>
<td>(18.9) 0.744</td>
<td>(36.6) 1.441</td>
</tr>
<tr>
<td>50-BL</td>
<td>(59.3) 2.335</td>
<td>(22.9) 0.902</td>
<td>(44.6) 1.756</td>
</tr>
<tr>
<td>60-BL</td>
<td>(67.3) 2.650</td>
<td>(26.9) 1.059</td>
<td>(52.6) 2.071</td>
</tr>
</tbody>
</table>

A-HSEC8-RA
Card Mates: (1.60 mm) .062” card

A-HSEC8-PV
Card Mates: (1.60 mm) .062” card

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

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