Edge Rate® rugged high-speed connector strips are designed for high speed, high cycle applications, and enabled by Samtec’s signal integrity-optimized Edge Rate® contact system.

- 0.80 mm pitch
- 56 Gbps PAM4 performance
- Rugged latching, locking and 360° shielding available
- Up to 1.5 mm contact wipe; robust when "zippered" during unmating
- Compatible with A-UMPT/A-UMPS for power/signal flexibility

**FEATURES & BENEFITS**

**KEY SPECIFICATIONS**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>PITCH</th>
<th>STACK HEIGHTS</th>
<th>TOTAL PINS / PAIRS</th>
<th>INSULATOR MATERIAL</th>
<th>TERMINAL MATERIAL</th>
<th>PLATING</th>
<th>OPERATING TEMP RANGE</th>
<th>LEAD-FREE SOLDERABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ERM8 / A-ERF8</td>
<td>0.80 mm</td>
<td>7.18 mm</td>
<td>10-200</td>
<td>Black LCP</td>
<td>Phosphor Bronze or BeCu (A-ERM8), BeCu (A-ERF8)</td>
<td>Au or Sn over 50 µ&quot; (1.27 µm) Ni</td>
<td>-55 °C to +125 °C</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Contact Automotive group at autosalesgroup@samtec.com for information about Edge Rate® right-angle products.

Contact Automotive group at autosalesgroup@samtec.com for information about Edge Rate® right-angle products.

Due to technical progress, all designs, specifications and components are subject to change without notice.
**TYPE**  -  **POSITIONS PER ROW**  -  **LEAD STYLE**  -  **PLATING OPTION**  -  **DV**  -  **OPTIONS**  -  **TR**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>POSITIONS PER ROW</th>
<th>LEAD STYLE</th>
<th>PLATING OPTION</th>
<th>DV</th>
<th>OPTIONS</th>
<th>TR</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-ERM8</td>
<td>–005, –010, –011</td>
<td>–L</td>
<td>10 µ&quot; (0.25 µm) Gold on contact, Matte Tin on tail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>, –013, –020, –025, –030, –035, –040, –049, –050, –060, –070, –075, –100</td>
<td>–S</td>
<td>30 µ&quot; (0.76 µm) Gold on contact, Matte Tin on tail</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specify LEAD STYLE from Chart

- **DS** = Differential Pair (A-ERM8–05.0 Lead Style with –010, –013, –025, –049 Positions only)
- **L** = Latching (A-ERM8–05.0 and –09.0 Lead Styles only and –EGP Option not available)
- **–EGP** = Extended Guide Post (A-ERM8–05.0 Lead Style only and –L to –EGP Option not available)
- **–DSP** = Differential Pair with Extended Guide Post (A-ERM8–05.0 Lead Style with –013 and –025 Positions only)
- **–K** = Polyimide Film Pick & Place Pad (–02.0 Lead Style not available)

- **TR** = Tape & Reel

**EDGE® RATE SYSTEM**

A-ERM8 Board Mates: A-ERF8

A-ERF8 Board Mates: A-ERM8

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

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.