Edgeboard Connectors, Dual Readout, 0.125" (3.17 mm) C-C, Standard and Right Angle Terminals

FEATURES
• Grid patterns: 0.125" C-C x 0.150" (3.17 mm x 3.81 mm), 0.125" C-C x 0.200" (3.17 mm x 5.08 mm) and 0.125" C-C x 0.250" (3.17 mm x 6.35 mm)
• Standard and right angle terminals
• Greater design latitude:
  body materials: glass-filled polyester and glass-filled polyphenylene sulfide
  7 contact termination styles - 3 standard, 4 right angle
  19 body sizes and 6 mounting styles
• Selective gold plating
• Accepts PC board thickness of 0.054" to 0.071" (1.37 mm to 1.80 mm)
• Polarization option: “between contacts” positions available (to be installed by customer); “between contacts” polarization permits polarizing without loss of contact position

APPLICATIONS
For use with 0.0625" (1.59 mm) printed circuit boards requiring an edgeboard type connector on 0.125" (3.17 mm) centers

MATERIAL SPECIFICATIONS
Body Material:
“3” thermoplastic polyester, glass-filled, black, flame retardant
Contacts: phosphor bronze (see ordering information table)
Polarizing Key: glass reinforced nylon, flame retardant
Plating: gold (see ordering information table)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>EB6</th>
<th>3</th>
<th>-</th>
<th>K</th>
<th>40</th>
<th>SG</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>BODY MATERIAL</td>
<td>TERMINAL VARIATIONS</td>
<td>CONTACTS PER SIDE</td>
<td>CONTACT PLATING</td>
<td>MOUNTING VARIATIONS</td>
<td></td>
</tr>
<tr>
<td>3 = glass-filled polyester</td>
<td>C, D, K, 1R, 2R, 3R, or 4R</td>
<td>6, 10, 12, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, or 50</td>
<td>SG = selective gold plating (0.00003&quot; = 0.000762 mm min. thick) on contact area with gold flash on terminal</td>
<td>SGF = selective gold plating (0.000010&quot; = 0.000254 mm min. thick) on contact area with gold flash on terminal</td>
<td>X, XF, XS, XFS, Y, YF, or W</td>
<td></td>
</tr>
</tbody>
</table>

Contact factory for additional plating options
### DIMENSIONS in inches (millimeters)

<table>
<thead>
<tr>
<th># OF CONTACT POSITIONS PER SIDE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>1.555 (39.50)</td>
<td>1.295 (32.89)</td>
<td>0.875 (22.22)</td>
<td>1.035 (26.29)</td>
<td>0.875 (22.22)</td>
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<tr>
<td>10</td>
<td>2.055 (52.20)</td>
<td>1.795 (45.59)</td>
<td>1.375 (34.92)</td>
<td>1.535 (38.99)</td>
<td>1.375 (34.92)</td>
</tr>
<tr>
<td>12</td>
<td>2.305 (58.55)</td>
<td>2.045 (51.94)</td>
<td>1.625 (41.28)</td>
<td>1.785 (45.34)</td>
<td>1.625 (41.28)</td>
</tr>
<tr>
<td>14</td>
<td>2.555 (64.90)</td>
<td>2.295 (58.29)</td>
<td>1.875 (47.62)</td>
<td>2.035 (51.69)</td>
<td>1.875 (47.62)</td>
</tr>
<tr>
<td>15</td>
<td>2.680 (68.07)</td>
<td>2.420 (61.47)</td>
<td>2.000 (50.80)</td>
<td>2.160 (54.86)</td>
<td>2.000 (50.80)</td>
</tr>
<tr>
<td>18</td>
<td>3.055 (77.60)</td>
<td>2.795 (70.99)</td>
<td>2.375 (60.32)</td>
<td>2.535 (64.39)</td>
<td>2.375 (60.32)</td>
</tr>
<tr>
<td>22</td>
<td>3.555 (90.30)</td>
<td>3.295 (83.69)</td>
<td>2.875 (73.02)</td>
<td>3.035 (77.09)</td>
<td>2.875 (73.02)</td>
</tr>
<tr>
<td>24</td>
<td>3.805 (96.65)</td>
<td>3.545 (90.04)</td>
<td>3.125 (79.38)</td>
<td>3.285 (83.44)</td>
<td>3.125 (79.38)</td>
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<tr>
<td>25</td>
<td>3.930 (99.82)</td>
<td>3.670 (93.22)</td>
<td>3.250 (82.55)</td>
<td>3.410 (86.61)</td>
<td>3.250 (82.55)</td>
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<tr>
<td>28</td>
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<td>4.045 (102.74)</td>
<td>3.625 (92.08)</td>
<td>3.785 (96.14)</td>
<td>3.625 (92.08)</td>
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<tr>
<td>30</td>
<td>4.555 (115.70)</td>
<td>4.295 (109.09)</td>
<td>3.875 (98.42)</td>
<td>4.035 (102.49)</td>
<td>3.875 (98.42)</td>
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<tr>
<td>31</td>
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<td>4.420 (112.27)</td>
<td>4.000 (101.60)</td>
<td>4.160 (105.66)</td>
<td>4.000 (101.60)</td>
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<tr>
<td>32</td>
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<td>4.545 (115.44)</td>
<td>4.125 (104.78)</td>
<td>4.285 (108.84)</td>
<td>4.125 (104.78)</td>
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<tr>
<td>35</td>
<td>5.180 (131.57)</td>
<td>4.920 (124.97)</td>
<td>4.500 (114.30)</td>
<td>4.660 (118.36)</td>
<td>4.500 (114.30)</td>
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<tr>
<td>36</td>
<td>5.305 (134.75)</td>
<td>5.045 (128.14)</td>
<td>4.625 (117.48)</td>
<td>4.785 (121.54)</td>
<td>4.625 (117.48)</td>
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<tr>
<td>40</td>
<td>5.805 (147.45)</td>
<td>5.545 (140.84)</td>
<td>5.125 (130.18)</td>
<td>5.285 (134.24)</td>
<td>5.125 (130.18)</td>
</tr>
<tr>
<td>43</td>
<td>6.180 (156.97)</td>
<td>5.920 (150.37)</td>
<td>5.500 (139.70)</td>
<td>5.660 (143.76)</td>
<td>5.500 (139.70)</td>
</tr>
<tr>
<td>44</td>
<td>6.305 (160.15)</td>
<td>6.045 (153.54)</td>
<td>5.625 (142.88)</td>
<td>5.785 (146.94)</td>
<td>5.625 (142.88)</td>
</tr>
<tr>
<td>49</td>
<td>6.930 (176.02)</td>
<td>6.670 (169.42)</td>
<td>6.250 (158.75)</td>
<td>6.410 (162.81)</td>
<td>6.250 (158.75)</td>
</tr>
<tr>
<td>50</td>
<td>7.055 (179.20)</td>
<td>6.795 (172.59)</td>
<td>6.375 (161.92)</td>
<td>6.535 (165.99)</td>
<td>6.375 (161.92)</td>
</tr>
</tbody>
</table>

**“Between Contacts” Polarizing Key:**
ordering information: polarizing keys can be ordered separately using model number PK-6

- **A:** typical
- **B:** nominal
- **C:** typical
- **D:** nominal
- **E:** nominal

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For technical questions, contact: connectors@vishay.com

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PHYSICAL SPECIFICATIONS

Contact Type: bifurcated cantilever beam
Number of Contacts: 6, 10, 12, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50 per side
Contact Terminal Variation: standard terminals
Type “C” - dip solder, 0.025" (0.635 mm) square terminals, 0.175" (4.44 mm) nominal terminal length below standoffs
Type “D” - dip solder, 0.025" (0.635 mm) square terminals, 0.115" (2.92 mm) nominal terminal length below standoffs
Type “K” - Wire Wrap™, 0.025" (0.635 mm) square terminals, 0.570" (14.48 mm) nominal terminal length below standoffs
Contact Terminal Variation: right angle terminals
Type “1R” - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing
Type “2R” - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing
Type “3R” - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing
Type “4R” - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing
Contact Spacing: 0.125" (3.17 mm) center to center
Contact Terminal Row Spacing:
standard - 0.250" (6.35 mm) nominal.
right angle - 0.200" (5.08 mm) nominal and 0.150" (3.81 mm) nominal
Card Thickness: 0.054" to 0.071" (1.37 mm to 1.80 mm)
Card Slot Depth: 0.300" (7.62 mm)

MOUNTING VARIATIONS in inches (millimeters)

TERMINAL VARIATIONS in inches (millimeters)

Type “C” and “D” solder dip, standard
0.025 (0.635) square terminals

Type “K” Wire Wrap™, standard
0.025 (0.635) square terminals

Type “1R”, “2R”, “3R”, and “4R” right angle
0.025 (0.635) square terminals

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