UI Contact

Board-to-board connectors
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To make a device fit for carrying several applications, it is essential to arrange the PC boards inside the housing on top of each other or side by side and to interconnect the connections of the different applications inside the device spaces. Efficient, space-saving but powerful systems has accepted this challenge.

The METZ CONNECT product range of board-to-board connectors is offering exactly the system variety are needed for that purpose.

So called board-to-board connectors in a great top of each other or side by side and to interconnect the

essential to arrange the PC boards inside the housing on
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cleanliness do not only offer an efficient solution for power transmission, they are particularly suited for industrial electronics.

control, data and communication technology as well as vice are required particularly in building automation and applications. METZ CONNECT as a competent partner

that is necessary to interconnect PC boards in a compact, flexible and reliable way and to compensate the high tolerances in offset and PC board in-

same time several applications are getting manifold in size and how to accept at the current trend of a complete and expanding system.

To make a device fit for carrying several applications, it is essential to arrange the PC boards inside the housing on top of each other or side by side and to interconnect the connections of the different applications inside the device spaces. Efficient, space-saving but powerful systems has accepted this challenge.

The components shown in this brochure are focused on power transmission, they are particularly suited for industrial electronics. The product line will be developed step by step for further applications.

Pin headers

Female connectors

<table>
<thead>
<tr>
<th>Pin header</th>
<th>Female connector</th>
<th>Rated current</th>
<th>type of solderability</th>
<th>number of rows</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM20BxxVBNN</td>
<td>PR20BxxVBDN</td>
<td>1 A</td>
<td>SMT solderable</td>
<td>double rows</td>
</tr>
<tr>
<td>PM20BxxVBDN</td>
<td>PR20BxxVBNN</td>
<td>1 A</td>
<td>THR solderable</td>
<td>double rows</td>
</tr>
<tr>
<td>FR20CxxHBNN</td>
<td>FM20CxxHBDN</td>
<td>1 A</td>
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<td>FM20CxxVBNN</td>
<td>1 A</td>
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<td>single row</td>
</tr>
<tr>
<td>PM202xxVBNN</td>
<td>PR202xxVBDN</td>
<td>3 A</td>
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<td>single row</td>
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<td>PM202xxVBDN</td>
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### Product key board-to-board connectors

**Fittable** stands for a loose sequencing without loss of poles (without dovetails).

**Only applicable if two variants are available.**

<table>
<thead>
<tr>
<th>Product range</th>
<th>Type</th>
<th>Number of poles</th>
<th>Color</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>R</td>
<td>20</td>
<td>V</td>
<td>B</td>
</tr>
</tbody>
</table>

**Fixation**

- M = SMD/SMT (reflow soldering) according to JEDEC 20
- R = THR solderable (pin-in-paste) according to JEDEC 20
- T = THR solderable (wave soldering)

**Centerline (mm)**

- 1 = 2.50
- 2 = 2.54
- 3 = 3.50
- 4 = 3.81
- 5 = 5.00
- 6 = 5.08
- 8 = 7.62

**Structure**

- B = horizontal = 90°
- H = shrouded, closed ends
- D = two-tier
- E = non-shrouded, open ends
- F = spring contact
- N = normal

**Function**

- B = shrouded, closed ends
- H = horizontal = 90°
- V = non-shrouded

**Variants/Taping**

- 1 = tape 16mm
- 2 = tape 32mm
- 3 = tape 44mm
- 4 = tape 56mm
- 5 = tape 72mm
- 6 = tape 88mm
- 7 = tape 24mm
- 8 = tape 104mm

**Note:**

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