3U CompactPCI® PMC CARRIER BOARD

- interface flexibility through a broad range of PMC modules
- 32-bit bus master interface
- INT A, B, C, D support
- version for extended temperature available
CP390
3U CompactPCI® PMC CARRIER BOARD

The CP390 is a 3U CompactPCI® carrier board for one PMC module. It has been designed to maximize the advantages provided by PMC modules in a 3U CompactPCI® environment. Flexibility, versatility, convenience and ease of use have been keynotes throughout the design process. Based on the PMC specification the CP390 can be easily adapted to the individual application needs. Therefore it can provide system designers a cost-effective solution to extend a CompactPCI system via the wide array of interfaces and functions available on the market.

### TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>COMPACT PCI INTERFACE</th>
<th>PMC CARRIER INTERFACE</th>
<th>CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PICMG 2.0 Rev 2.1 compatible, 32-bit/33 MHz, DMA bus master, Interrupt level INTA, INTB, INTC, INTD support, 3.3V/5V operation</td>
<td>- Compatible with IEEE 1386.1 specification, version 2.0&lt;br&gt; - 32-bit/33 MHz PCI bus&lt;br&gt; - 5.0 V compatible&lt;br&gt; - Interrupt level INT A, B, C, D routed directly to CompactPCI</td>
<td>- DEC Bridge 21150&lt;br&gt; - Hardware-controlled power ramp up&lt;br&gt; - Local reset generation&lt;br&gt; - Signal precharge</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GENERAL</th>
<th>POWER CONSUMPTION</th>
<th>DIMENSIONS</th>
<th>OPERATING TEMP.</th>
<th>STORAGE TEMP.</th>
<th>OPERATING HUMIDITY</th>
<th>WEIGHT</th>
<th>MTBF</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP390</td>
<td>230 mW (without PMC module) @ 3.3V, 5V requirement dependent on PMC module 100mm x 160mm (3U card size) 0°C to +60°C (standard), -40°C to +85°C (extended) -55°C to +85°C 5 - 95% (non condensing)</td>
<td>130 g</td>
<td>-2.204.015 h MIL-HDBK-217 FN2 Ground Benign 30°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>ARTICLE</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP390</td>
<td>19879</td>
<td>3U CompactPCI PMC carrier</td>
</tr>
<tr>
<td>CP390-E2</td>
<td>22931</td>
<td>3U CompactPCI PMC carrier, extended temp. (-40°C to +85°C)</td>
</tr>
<tr>
<td>KIT-CP390</td>
<td>20216</td>
<td>CP390 User’s Manual on CD</td>
</tr>
</tbody>
</table>

### CORPORATE OFFICES

**EUROPE, MIDDLE EAST & AFRICA**

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086 111
info@kontron.com

**NORTH AMERICA**

14118 Stove Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

**ASIA PACIFIC**

1-2F, 10 Building, No. 8 Liangshuihe 2nd Street, Economical & Technological Development Zone, Beijing, 100176, P.R.China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn

Copyright © 2015 Kontron AG. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Kontron and the Kontron logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized. Specifications are subject to change without notice. CP390-20150723 - WMH