

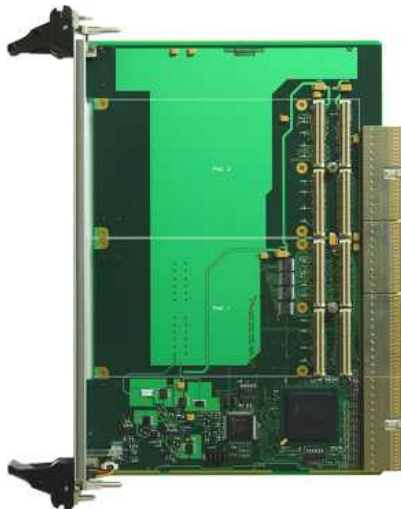
TCP261 Dual PMC Carrier for 6U CompactPCI (J3/J4 I/O)

Application Information

The TCP261 is a standard 6U CompactPCI carrier that provides front I/O and rear I/O for up to two single width PMC modules.

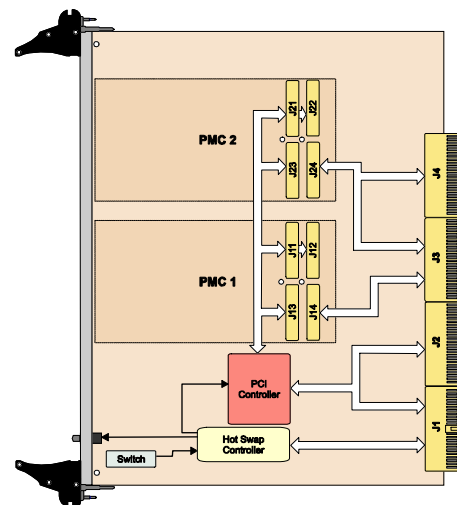
32 bit and 64 bit PCI accesses are supported on PCI bus with PCI frequency 33 MHz and also 66 MHz. The transparent Intel PCI-to-PCI Bridge 21154 provides the real connection between primary CompactPCI bus and the two secondary PMC slots. The bridge controls all PCI accesses, data bus width and in each case the frequency for a PMC access to one of the connected modules.

The TCP261 supports standard PMC front I/O and for both PMC slots CompactPCI rear I/O. The PMC slot 2 is connected directly to the CompactPCI connector J4 and J3. The PMC slot 1 is connected directly to the CompactPCI connector J3.



Technical Information

- Standard 6U 32/64 bit CompactPCI module conforming to PICMG 2.0 R3.0
- PCI 2.2 compliant interface
- Two PMC sites conforming to PMC standard
- Board size: 160 mm x 233.35 mm
- Front panel I/O
- CompactPCI rear I/O : Connector J3 and J4 conforming to PICMG 2.3 R1.0
- PCI Interface : 33/66 MHz; 32/64 bit
- Intel PCI-to-PCI bridge 21154
- CompactPCI hot swap conforming to PICMG 2.1 R2.0
- PCI signaling voltage 5V and 3.3V
- Operating temperature 0°C to +70°C
- Temperature range: 0°C to +70°C (TCP261-10/-11) and -40°C to +85°C (TCP261-10-ET/-11-ET)



Capability of hot swapping is realized by a hot swap controller for the TCP261. The hot swap controller and the PCI-to-PCI Bridge are controlling the installation and reinstallation process of the TCP261 without power down the system.

The TCP261 carrier complies with the PICMG 2.0 Revision 3.0 CompactPCI specification.

For First-Time-Buyers the Engineering Documentation TCP261-ED is recommended. The Engineering Documentation includes TCP261-DOC, schematics and data sheets of the TCP261.

The Embedded I/O Company

Order Information

RoHS Compliant

| | |
|----------------------|---|
| TCP261-10R | Dual PMC Carrier for 6U CompactPCI (for 5V PMC I/O signaling voltage) |
| TCP261-10R-ET | Same as TCP261-10R but Extended Temperature Range |
| TCP261-11R | Dual PMC Carrier for 6U CompactPCI (for 3.3V PMC I/O signaling voltage) |
| TCP261-11R-ET | Same as TCP261-11R but Extended Temperature Range |

None RoHS Compliant

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|--------------|--|
| TCP261-10 | None RoHS compliant version of TCP261-10R |
| TCP261-10-ET | None RoHS compliant version of TCP261-10R-ET |
| TCP261-11 | None RoHS compliant version of TCP261-11R |
| TCP261-11-ET | None RoHS compliant version of TCP261-11R-ET |

Documentation

| | |
|-------------------|--|
| TCP261-DOC | User Manual |
| TCP261-ED | Engineering Documentation, includes TCP261-DOC |

Related Products

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|------------------|---|
| TCP021-TM | Transition Module for 6U cPCI PMC carrier with Back I/O via J3 and J4 |
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