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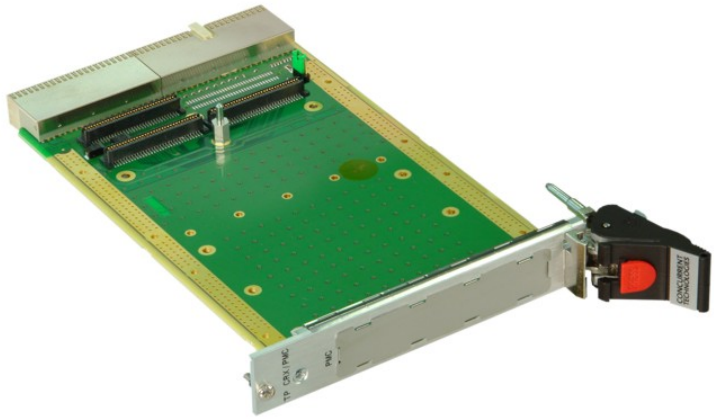
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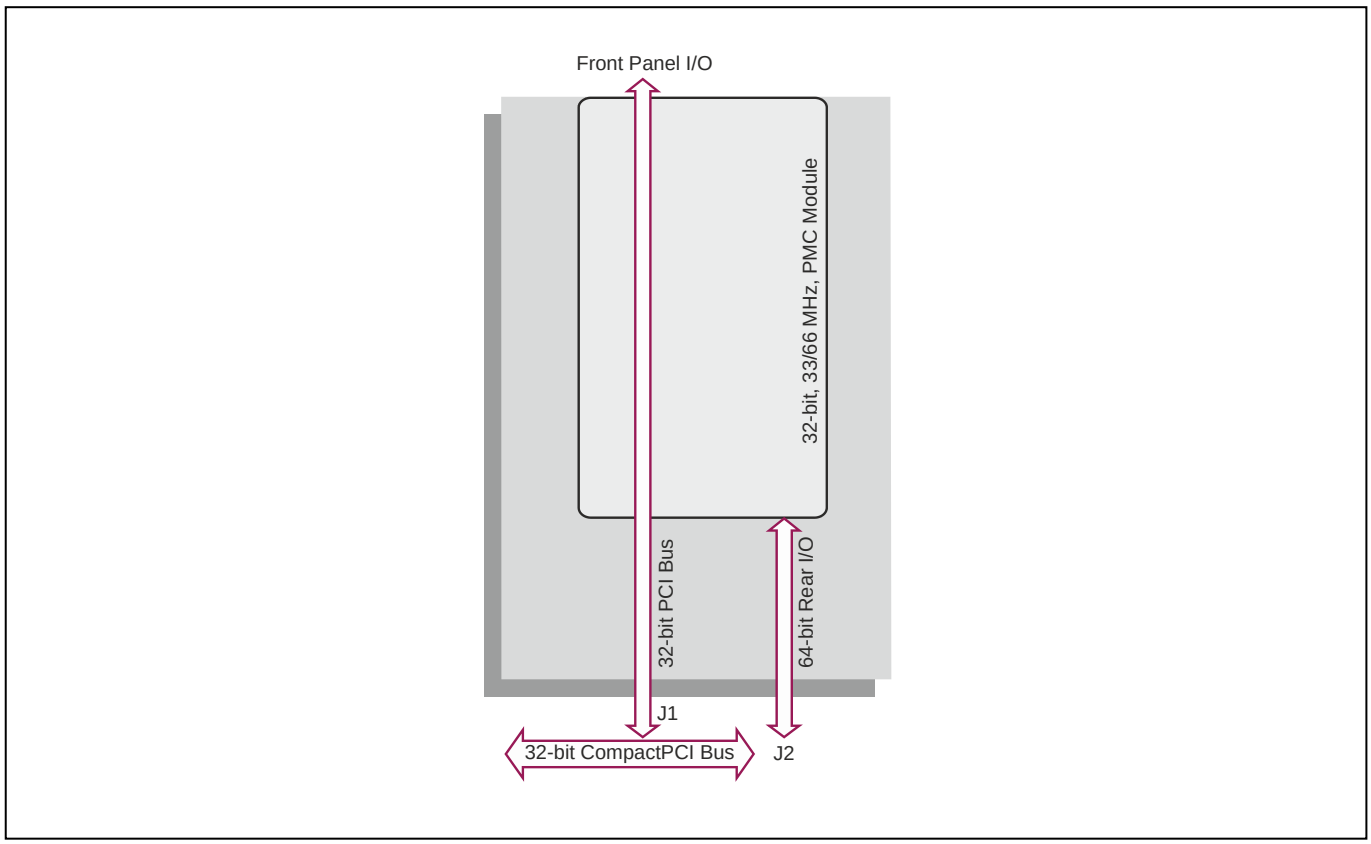
3U CompactPCI® PMC Carrier Board

Key Features

TP CR1/PMC is a 3U CompactPCI® bridgeless carrier board that provides a site for a single PMC module.

- Occupies one slot
- Extended temperature and rugged conduction-cooled versions available





CONCURRENT TECHNOLOGIES

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Specification

3U CompactPCI PMC Carrier

- 3U CompactPCI® PMC Carrier supports:
  - ➔ one single size 32-bit, 33/66 MHz PMC module
  - ➔ operation with 32-bit 33/66 MHz backplanes
  - ➔ commercial air-cooled
- for ruggedized versions, see separate datasheet:
  - ➔ rear plug compatible
  - ➔ conduction-cooled: TP CR1/PMC-RC

PMC Interface

- PMC site supports:
  - ➔ 32-bit, 33/66 MHz PCI bus
  - ➔ 5 Volt or 3.3 Volt signaling
  - ➔ 64 rear I/O signals via J2
  - ➔ conforms to PICMG 2.3 R1.0 pinouts
- complies with CMC (Common Mezzanine Card) standard IEEE 1386-2001 and PMC (PCI Mezzanine Card) standard IEEE 1386.1-2001
- I/O can be accessed via front panel or via J2
- Rear Transition Module available

CompactPCI Bus Interface

- pinout conforms to PICMG 2.0 R3.0:
  - ➔ 32-bit, 33MHz and 66 MHz PCI bus
  - ➔ supports 3.3V and 5V signaling
- passive CompactPCI® interface:
  - ➔ no CompactPCI® bridge

Electrical Specification

- CompactPCI® V(I/O) power rail used for PMC V(I/O):
  - ➔ typical current <10mA
- +12V@0.0A; -12V@0.0A
- all power supply rails available to PMC site:
  - ➔ overall power consumption is PMC dependent

Safety

- PCB (PWB) manufactured with flammability rating of UL 94V-0

Environmental Specification

- operating temperatures:
  - ➔ 0°C to +55°C (N-Series)
  - ➔ -25°C to +70°C (E-Series)
  - ➔ -40°C to +85°C (K-Series)
- non-operating temperature: -40°C to +85°C
- 5% to 95% Relative Humidity, non condensing:
  - ➔ K-Series includes humidity sealant

Mechanical Specification

- 3U form-factor:
  3.9-inches x 6.3-inches (100mm x 160mm)
- single slot
- connectors: IEC-1076-4-101 for J1-J2
- shock: 20g, 11ms, ½ sine
- vibration: 5Hz-2000Hz at 2g, 0.38mm peak displacement

Please contact your local Concurrent Technologies sales office for further details on board build options and accessories.

Datasheet Code 1564/0217
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