Embedded Solutions

CT02 - 6U CompactPCI Transition Module for D2/D4

◆ **6U/80mm format**
◆ **For use of standard connectors**

The CT02 is a 6U CompactPCI transition module for use in combination with MEN's D2 or D4 CompactPCI workstations. It is plugged onto (J3/)J4/J5 of the CompactPCI backplane system slot from the rear side and leads the rear-panel I/O signals to standard connectors. Consequently, standard cables can be used to connect drives and other peripherals.

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Technical Data

Peripheral Connections
- 2 PC-MIP interfaces
- Up to 2 IDE interfaces
- 2 floppy disk drive interfaces
- Parallel port
- Up to 2 serial ports
- USB interface
- GPIO interface
- Power supply/utility interface

Electrical Specifications
- MTBF: 493,000h @ 50°C

Mechanical Specifications
- Dimensions: 6U width, 80mm depth, 4TE height
- Conforming to CompactPCI Specification 2.0 R2.1 for rear panel I/O boards
- Conforming to IEEE1101.11, draft 5.0
- Weight:
  · CT02 for D2: 142g
  · CT02 for D4: 124g

Environmental Specifications
- Temperature range (operation):
  · 0..+60°C or -40..+85°C
  · Airflow: min. 10m³/h
- Temperature range (storage): -40..+85°C
- Relative humidity (operation): max. 95% non-condensing
- Relative humidity (storage): max. 95% non-condensing
- Altitude: -300m to + 3,000m
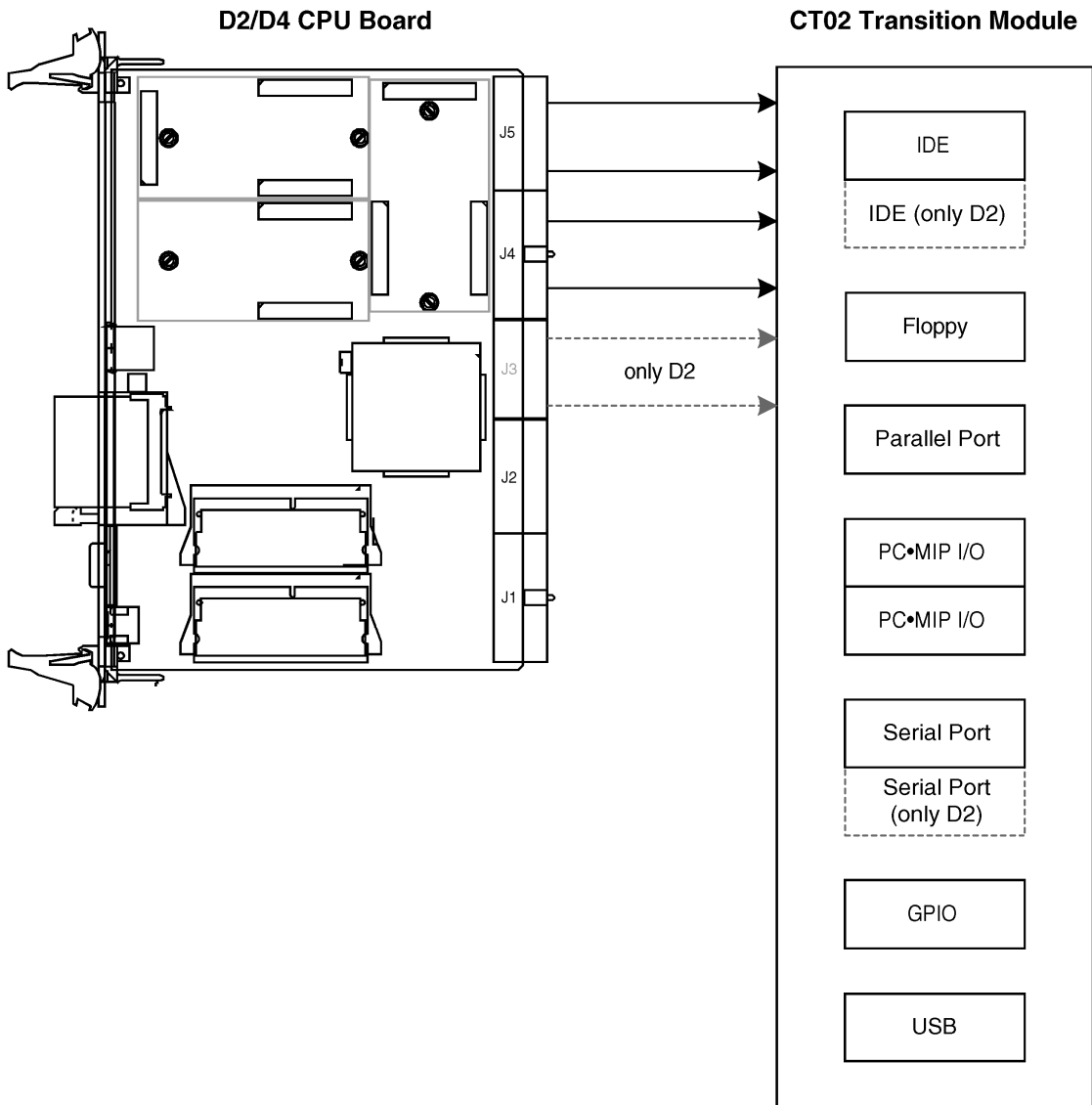- Shock: 15g/0.33ms, 6g/6ms
- Vibration: 1g/5..2,000Hz

Safety
- PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

EMC
- Tested according to EN 55022 / 1999-05 (radio disturbance) and EN 55024 / 1999-05 (immunity) with regard to CE conformity

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Diagram

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D2/D4 CPU Board

CT02 Transition Module

J5	IDE
J4	IDE (only D2)
J3	Floppy
J2	Parallel Port
J1	PC•MIP I/O
	PC•MIP I/O
	Serial Port
	Serial Port (only D2)
	GPIO
	USB

only D2

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Related Products

Standard Hardware

08CT02-00	CompactPCI transition module 6U/80mm, I/O connection for D2 CompactPCI CPU board
08CT02-01	CompactPCI transition module 6U/80mm, I/O connection for D2 CompactPCI CPU board, operation temperature -40°C..+85°C
08CT02-02	CompactPCI transition module 6U/80mm, I/O connection for D4 CompactPCI CPU board, 0..+60°C

Accessories

08SA01-00	Serial interface adapter, RS232, not optically isolated, 0..+60°C
08SA02-00	Serial interface adapter, RS422/485, half duplex, optically isolated, 0..+60°C
08SA02-01	Serial interface adapter, RS422/485, full duplex, optically isolated, 0..+60°C
08SA02-07	Serial interface adapter, RS422/485, full duplex, optically isolated, temperature range: -40..+85°C
08SA03-00	Serial interface adapter, RS232, optically isolated, 0..+60°C
08SA03-01	Serial interface adapter, RS232, optically isolated, -40..+85°C
08SA04-00	Serial interface adapter, TTY, optically isolated, 0..+60°C

For more functions realized with SA adapters, see the listing on MEN's website. You can also view our SA adapter compare chart for a quick overview of different functions. Please contact sales to make sure that these SA adapters can be used in the board configuration you are looking for.

Documentation

20CT02-00	CT02 user manual

For the most up-to-date ordering information and direct links to other data sheets and downloads, see the CT02 online data sheet under www.men.de. --> Click here!

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