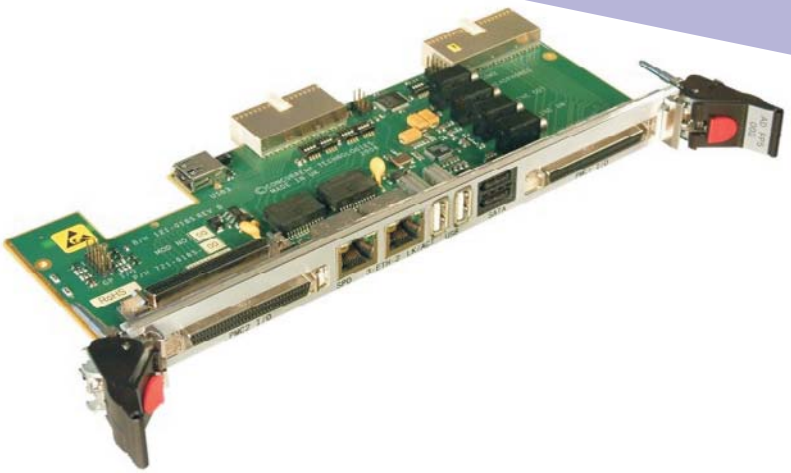
CompactPCI

AD PP5/002

N, E - Series

Transition Module



RoHS 2002/95/EC

APPLICATIONS

The AD PP5/002 is designed to be used with Concurrent Technologies' PP 41x/03x CompactPCI® Processor board family. The Transition Module mounts in the rear transition area of the CompactPCI backplane and provides very simple access to the majority of the I/O functions provided on the processor board. Many I/O interfaces are accessed through the Transition Module's own front panel and the remainder from headers mounted on the Module.

HIGHLIGHTS

- Transition Module for rear I/O:
  - 80mm depth as per CompactPCI specification
  - single slot
- Interfaces to processor board via J3 and J5
- Dual 10/100/1000Mbps Ethernet via RJ45 connectors on Transition Module's front panel
- 2 x SATA interface via dual connector on front panel
- 3 x USB interfaces:
  - 2 via USB connectors on front panel
  - 1 via onboard horizontal USB connector
- Stereo Audio provided by onboard AC'97 codec, via 4 horizontal onboard jack sockets:
  - stereo line in
  - mono mic in
  - stereo line out
  - stereo headphones out
- RS232 serial port via 10-way header
- External reset, system fan monitor and general purpose user I/O via 10-way header
- 2 x PMC I/O via 68-way connectors on Transition Module's front panel:
  - 1 x PMC I/O also available via 68-way vertical on-board connector
  - wiring compatible with Concurrent Technologies' SCSI PMC modules
- Extended temperature version available:
  - -25°C to +70°C (E-Series)

CONCURRENT TECHNOLOGIES

Concurrent Technologies Plc 4 Gilberd Court, Colchester, Essex, CO4 9WN, UK
Tel: +44 (0)1206 752626 Fax: +44 (0)1206 751116

Concurrent Technologies Inc 6 Tower Office Park, Woburn, MA 01801, USA
Tel: (781) 933 5900 Fax: (781) 933 5911

email: info@gocct.com **http://www.gocct.com**

Specification

Ethernet Interface
- two channels
- supports 10BaseT,100BaseTx and 1000BaseT for UTP CAT5 via RJ45 connectors on front panel
- Ethernet signals are routed via transition module's front panel or via PICMG® 2.16 Packet Switching Backplane

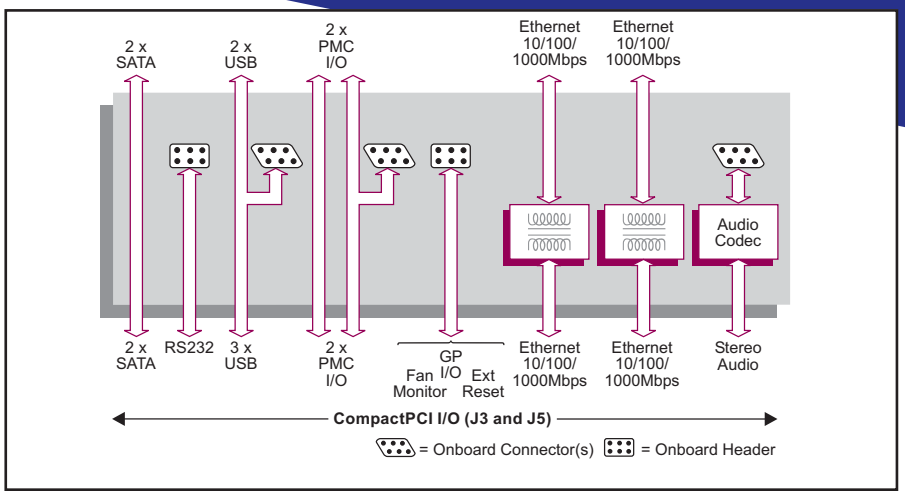
Serial ATA
- 2 x SATA150 interfaces via 2 dual connector on front panel:-
  - ➔ transfer rates up to 150Mbytes/s

Serial Interface
- 1 x RS232 asynchronous serial port:-
  - ➔ accessed via 10-way header
  - ➔ supports TXD, RXD, RTS, CTS, DTR, DSR, DCD and RI

USB Interface
- 3 x USB channels:-
  - ➔ 2 channels accessed via USB connectors on front panel
  - ➔ 1 channel accessed via onboard USB connector

Stereo Audio Interface
- onboard AC'97 CODEC supports:-
  - ➔ stereo line in
  - ➔ mono microphone in
  - ➔ stereo line out
  - ➔ stereo headphones out
- accessed via 4 onboard jack sockets

PMC I/O
- 2 x 68-way high density D-type connectors on the front panel
- vertical on-board 68-way high density D-type connector
- each connector provides 64 bits of I/O from one PMC site
- wiring compatible with Concurrent Technologies PMC SCSI modules

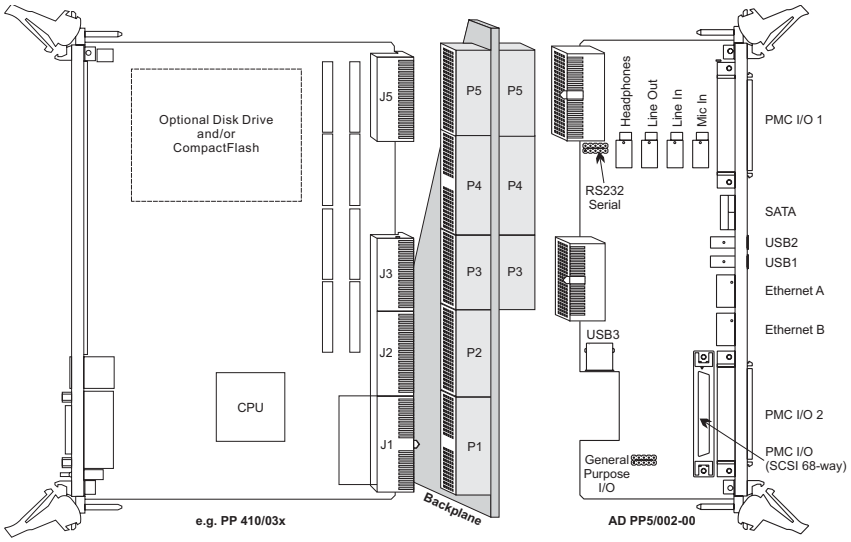


Other Interfaces
- 10-way header providing:-
  - ➔ system fan monitor
  - ➔ external reset
  - ➔ general purpose user I/O lines (GP I/O)

Electrical Specification
- all voltages to be within ±5%
- +5V@0.2A - quiescent current; +3.3V@0.1A

Environmental Specification
- operating temperatures:-
  - ➔ 0°C to +55°C (N-Series)
  - ➔ -25°C to +70°C (E-Series)
- -40°C to +85°C (storage)
- 10% to 90% Relative Humidity, non-condensing (operating)
- 10% to 90% Relative Humidity, non-condensing (storage)

Mechanical Specification
- 6U form-factor: 9.2" x 3.2" (233.35mm x 80mm)
- single-slot: 0.8" (20.3mm)
- connectors: IEC-1076-4-101 for J3 and J5
- shock:
  20g, 11ms, ½ sine (operating);
  30g, 11ms, ½ sine (non-operating)
- vibration:
  5Hz-2000Hz at 2g, 0.38mm peak displacement (operating);
  5Hz-2000Hz at 5g, 0.76mm peak displacement (non-operating)



ORDERING INFORMATION

Order Number	Product Description (Hardware)
AD PP5/002-00	Transition Module for PP 41x/03x

For extended temperature, E-Series, please contact your local sales office

Datasheet Code 1539/1107