GE
Intelligent Platforms

ACC-0602RC* Specifications

VME Rear Transition Board

Features:

- Transitions V7865* I/O signals from the VME P2 connector to standard I/O connectors (intended for legacy VME chassis)
- Provides one serial port connector (DB9), supporting both RS232 and RS485
- Provides two Serial ATA (SATA) connectors
- RoHS Compliant†
- Provides two standard USB 2.0 connectors
- Provides DVI-D Video port
- 3U+ height, 80mm minimum depth

† **NOTE:** The ACC-0602RC is designed to meet the European Union (EU) Restriction of Hazardous Substance (RoHS) Directive (2002/95/EC) current revision.

imagination at work

Ordering Options				
Sept. 28, 2010 800-9300800602-000 C		A	B	C
ACC-0602RC	–	0	0	

AB = 0 (Options reserved for future use)
C = Sales Special Order
0 = Without Conformal Coating
1 = With Conformal Coating

For Ordering Information, Call:
1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859
Email: info.embeddedsystems.ip@ge.com
Web Address: www.ge-ip.com

Functional Characteristics

Overview: The ACC-0602RC* is designed to be used in conjunction with the V7865* VME single board computer (SBC). The ACC-0602RC mounts in the rear transition area of the backplane and provides access to the DVI-D video, USB, serial ATA, and COM2 port by way of the P2 connector.

The ACC-0602RC is intended to be used in legacy VME chassis that will not support a full height rear transition board such as the ACC-0603RC*.

The VME P2 connector carries all associated signals from the 6U front mount SBC through the backplane to the ACC-0602RC P2 connector (see Figure 1).

Headers and Connectors: The serial port uses a standard DB9 connector. The USB and DVI-D use standard PC type connectors. The serial ATA connector on the front of the board is a single shielded connector. The serial ATA connector on the rear is a single internal connector that is not shielded.

NOTE: Power connectors for I/O ports are not supplied by the ACC-0602RC. The ACC-0602RC does not supply power or ground for external drives.

Serial Port: The ACC-0602RC provides a 16550 compatible serial port. The serial port has an independent 16-bit FIFO supporting baud rates up to 115 Kbaud. The serial port is available via a standard DB9 connector and is hardware-configurable to be either RS232 or RS485.

Physical/Environmental Specifications

Dimensions: 3U single slot Eurocard format

Height	4.97 in. (126.2mm)
Depth	3.15 in. (80mm)
Thickness	0.8 in. (20.3mm)

Power Requirements: Power is supplied through the P2 on the VMEbus backplane.

Temperature:
Commercial: 0° to 55° C

Relative Humidity: 10% to 90%, noncondensing

Trademarks

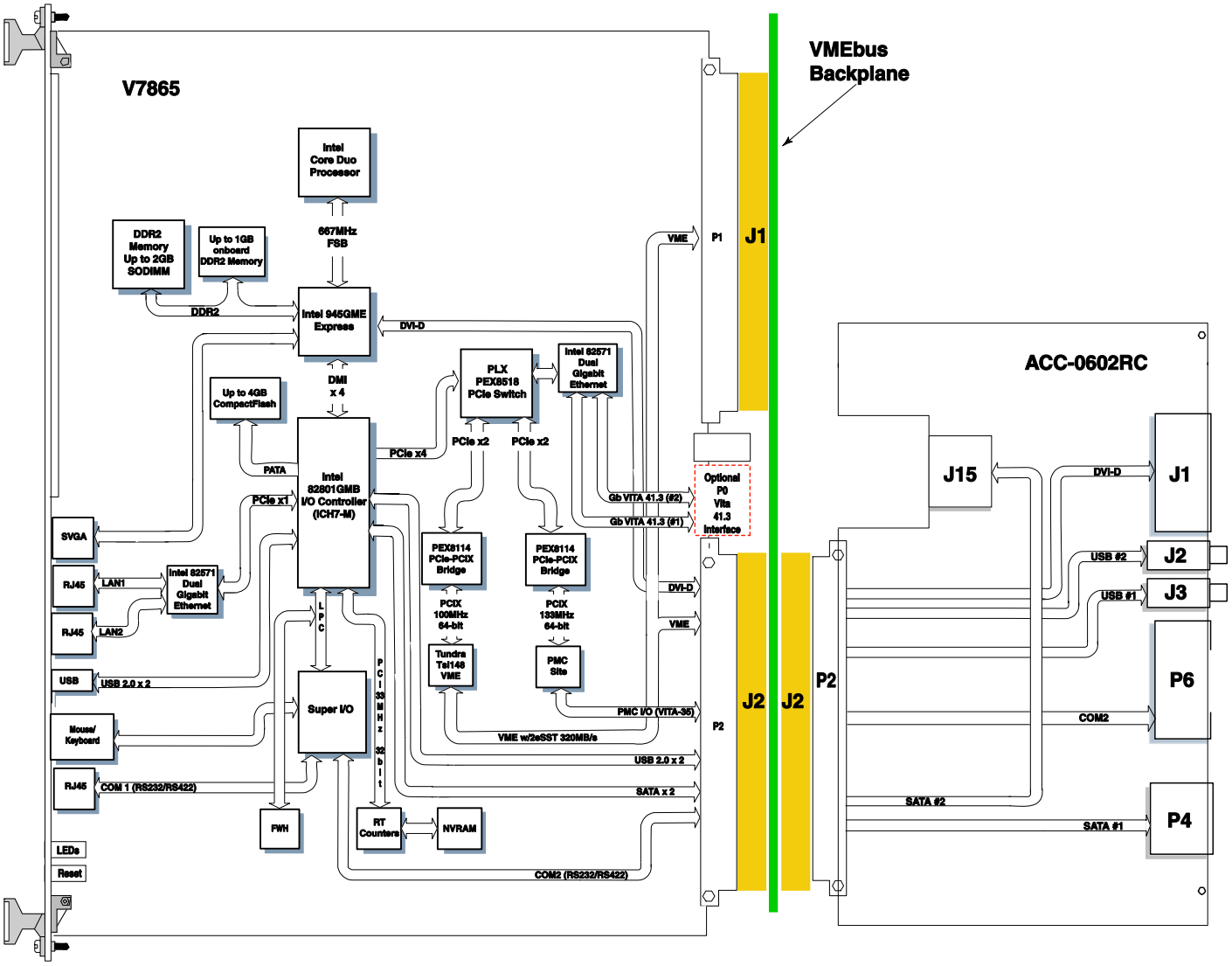

Figure 1. ACC-0602RC and Rear I/O with V7865

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Additional Resources

For more information, please visit the GE Intelligent Platforms Embedded Systems web site at:

www.ge-ip.com