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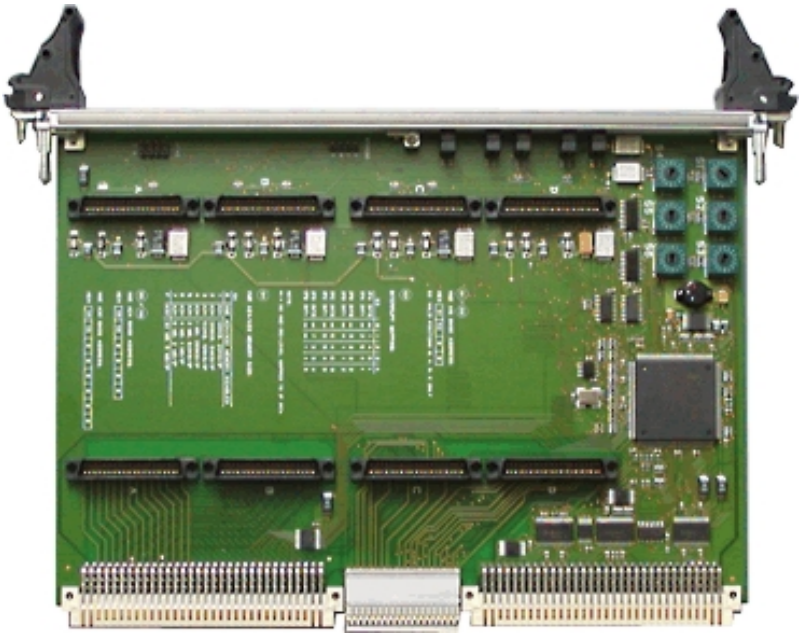
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The Embedded I/O Company

TVME220 VME64x Carrier for 4 IndustryPacks®



Application Information

The TVME220 is a 6U VMEbus carrier for up to 4 single-size or two double-size IndustryPack (IP) modules used to build modular, flexible and cost effective I/O solutions for applications in process control, medical systems, telecommunication and traffic control.

The TVME220 uses VME64x-compliant connectors to increase the quantity of rear I/O connectivity beyond that of standard VME. All of the 200 I/O lines from the 4 IP slots are available at the VME64x connectors P0 and P2. The I/O mapping is compliant to the ANSI/VITA 4.1-1996 standard.

Although the rear connectors are VME64x, the electrical interface is standard VME, so that nearly all CPU products still have full access to the IP modules mounted on the TVME220.

Status indicators for IP access, +5V and +/-12V are provided in the EMI shielded front panel.

A set of 16-position rotary switches allows easy configuration of VME Short I/O and memory addresses. Interrupt routing from the IP slots to the VME IRQ's can be done in two ways: programmable by software or selection of predefined sets by a rotary switch.

The IP power lines are fuse protected by self healing fuses and RF filtered. The operating temperature ranges between -40°C and +85°C.
TEWS two Transition Modules, TVME001-TM and TVME002-TM are available for easy access to all IP I/O lines.

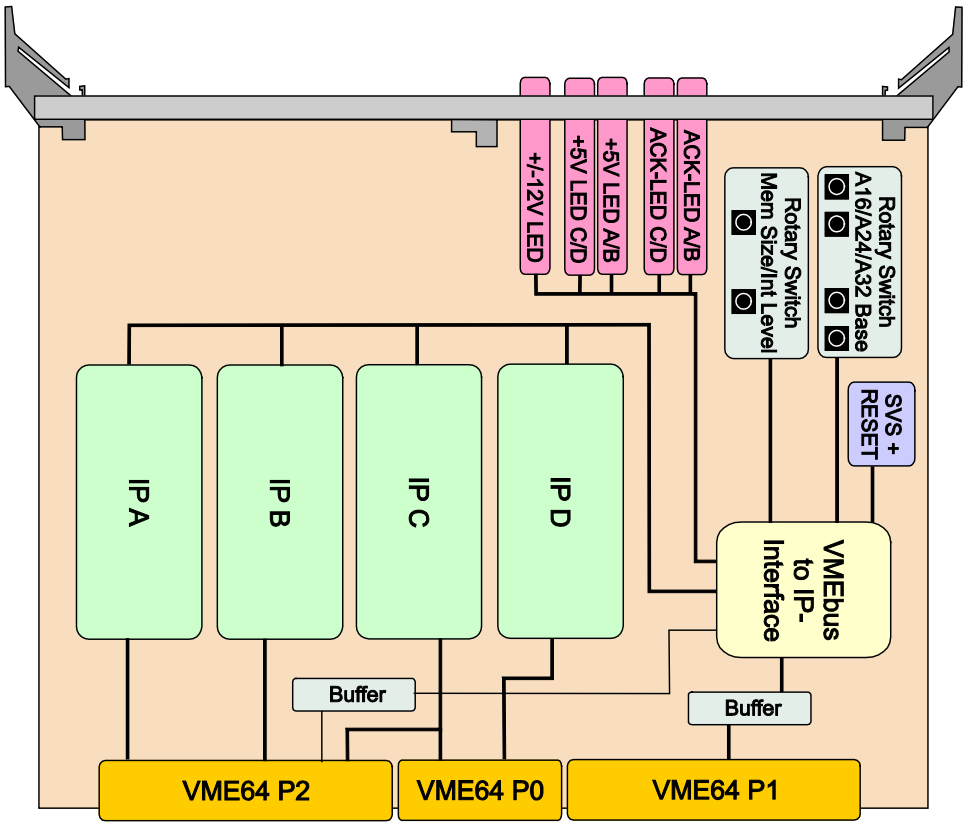
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Issue 1.1.2
2018-01-25

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Technical Information

- Form Factor: VME64x-Board, 6U
- VME64 (ANSI/VITA 1-1994) and VME64x (ANSI/VITA 1.1-1997) compliant Slave Interface
  - Short I/O: A16, D08/16, size: 1 Kbytes
  - Standard Memory: A24, D08/16
    - Size: 32 Kbytes to 2 Mbytes per IP
  - Extended Memory: A32, D08/16
    - Size: fixed, 8 Mbytes per IP
  - Interrupts: IRQ1-7
- ANSI/VITA 4-1995 compliant interface to IndustryPack modules
  - IndustryPack slots: Four single-size or two double-size with back I/O via P0 and P2
  - 8 MHz interface, no DMA
  - Routing of IP Interrupt Levels to VME IRQ1-7: programmable by software or selection of predefined sets by a rotary switch
- ANSI/VITA 4.1-1996 compliant mapping of IP I/O lines to VME64x connectors P0 and P2
- Status LED's:
  - ACK LED for each IP module
  - +5V Power LED for each IP slot
  - +12V and –12V Power LED
- Self Healing fuses and RF-filtering on all IP power lines
- Operating temperature –40°C to +85°C



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Order Information

RoHS Compliant

TVME220-10R 6U 4 Slot IndustryPack Carrier, VME64x I/O on P0 and P2

For the availability of non-RoHS compliant (leaded solder) products please contact TEWS.

Documentation

TVME220-DOC User Manual

Software

CARRIER-SW-42 VxWorks Software Support (Legacy and VxBus-enabled Software Support)
CARRIER-SW-65 Windows IP Carrier Software Support
CARRIER-SW-82 Linux IP Carrier Software Support
CARRIER-SW-95 QNX IP Carrier Software Support

For other operating systems please contact TEWS.

Related Products

TVME001-TM 6U Transition Module for VME64x IndustryPack Carrier, 50pin 180° ribbon cable connectors
TVME002-TM 6U Transition Module for VME64x IndustryPack Carrier, HD50 connectors

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