DATA SHEET

3U VPX

UNIVERSAL RTM (Rear Transition Module)

DESCRIPTION

During system integration, it often is desirable to access certain utility signals such as VS1, VS2 or VS3, auxiliary voltages other signals such as geographic address or the system management bus which are all available from the rear side of the backplane. While this design will not support the multi-gigabit high speed signals common in VPX systems today, this board can be a useful tool for system integrators who need to access other low speed signals on boards or systems that they are developing.

Features

- Other single ended signals such as System Reset, G-discrete, Maskable reset or NVMRO can be broken out if desired
- Low voltage user defined "i" row signals or low voltage I/O signals that may be TTL or low speed differential can be accessed
- All the available RTM signals from connectors rJ0, rJ1 and rJ2 are broken out to a grid of solder pads on the face of the PCB
- Wires may be soldered to the desired positions and the wire tails may be brought out to the edge of the board to logic or voltmeter probes
- A cut-out is provided on the 4HP front panel
- Holes are provided on the PCB along the edge adjacent to the front panel to secure clamping bars or wire ties to provide strain-relief for cables brought to the edge of the RTM module
- Multi-stage ground circuitry along with card guide ground strips are provided in the bottom right hand corner of the RTM, to implement the ESD grounding as defined by VITA 46.0

APPLICATIONS

- Highly integrated applications such as:
- Integrated display processing, mission management and navigational control for avionics systems
- Industrial monitoring, medical equipment, and night-vision systems requiring enhanced graphics capabilities
- Shipboard systems for target tracking and high definition displays
- Applications requiring a mix of I/O options, high compute density and enhanced graphics

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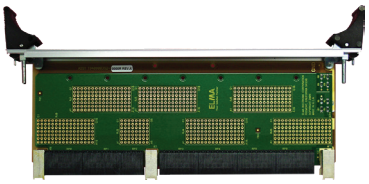
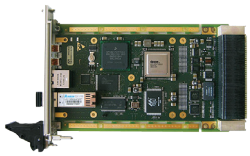
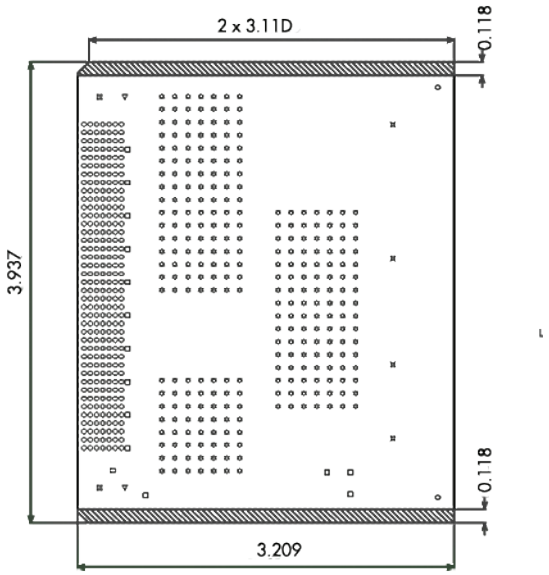
RELATED PRODUCTS

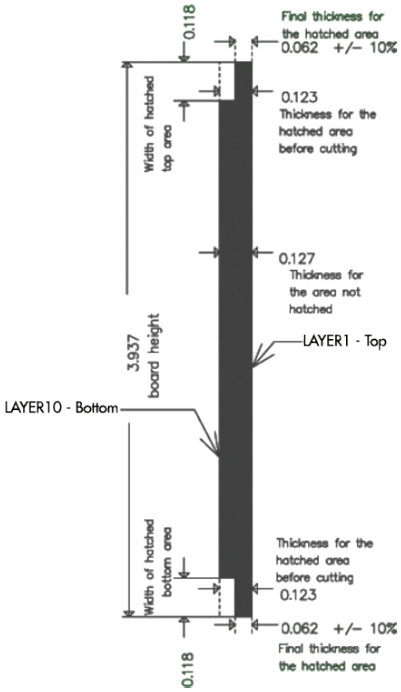




- Backplanes, standard profiles or custom designs
- Signal integrity simulation, characterization, customization
- Load boards convection or conduction cooled
- Rear Transitional Module for I/O
- ATRs
- Intel & Freescale Single Board Computers
- Blade level networking boards (Ethernet, PCI Express)
- Rackmount, desktop, and ATR chassis platforms

LINE DRAWING





ORDER INFORMATION

Height	Description	Part Number
3U	3U x 80mm, VPX Universal RTM	1940000377-0000R

Please contact our sales team for more details.

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France: +33 388 56 72 50
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