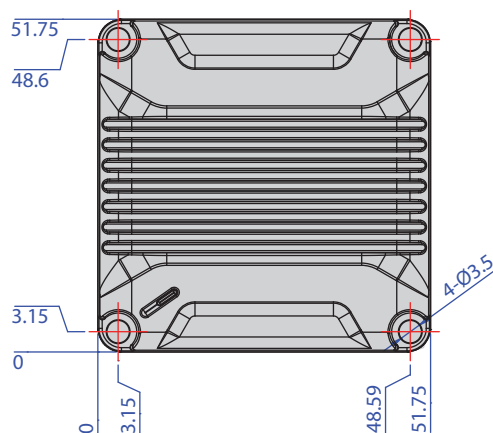
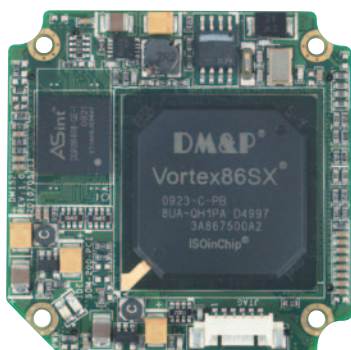


VSX-200-PCI-B



Unit: mm

Specifications

| | |
|------------------------------|--|
| SoC | DM&P SoC CPU Vortex86SX- 300MHz Real Time Clock with Lithium Battery Backup |
| Cache | L1:16K I-Cache, 16K D-Cache |
| Bus | PCI Bus standard compliant |
| BIOS | AMI BIOS |
| System Memory | 128 / 256MB Onboard |
| Watchdog Timer | Software programmable from 30.5 μ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D) |
| LAN | Integrated 10/100Mbps Ethernet |
| Flash Disk Support | Onboard 2MB SPI Flash Disk Onboard 512MB SST Flash Disk (1GB/2GB/4GB are Optional) MSTI EmbedDisk Module (16MB and above) |
| Serial Console | Controlled by GP 36/37 |
| I/O interface | Enhanced IDE port x1 RS-232 port x5 (TX/RX x1) USB port (Ver2.0) x4 16-bit GPIO port x2 10/100Mbps Ethernet port x1 |
| Connector | 1.27mm 50-pin box header for signal x4 1.25mm 6-pin wafer for JTAG x1 |
| Power Requirement | Single Voltage +5V @ 300mA |
| Weight | 15g |
| Board Size | 48mm (L) x 48mm (W) |
| Operating Temperature | -20°C ~ +70°C -40°C ~ +85°C (Optional) |

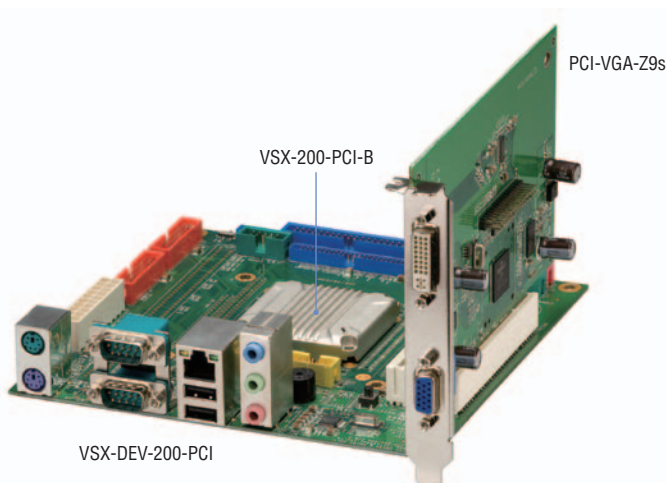
Packing List

- VSX-200-PCI-B x1

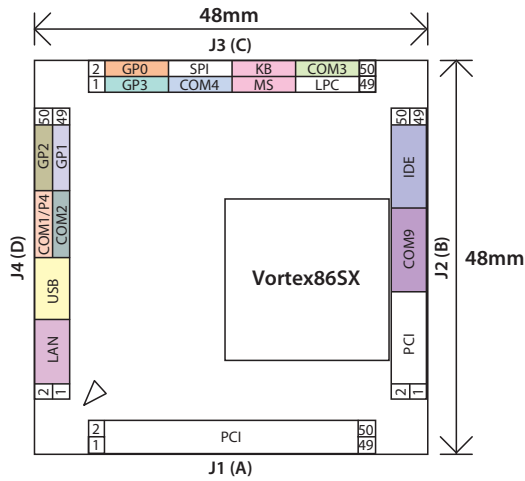
Ordering Information

- **VSX-200-PCI-B** Vortex86SX DIP-200pin CPU Module with 128MB DDR2
- **VSX-DEV-200-PCI** VSX-200-PCI-B Development board
- **PCI-VGA-Z9s** XGI Z9s VGA/DVI PCI Display Board

VSX-DEV-200-PCI Development Kit



VSX-200-PCI-B



VSX-200-PCI-B Signal Assignment

| J1(A) | | J2(B) | | J3(C) | | J4(D) | |
|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| Pin | Signal Name | Pin | Signal Name | Pin | Signal Name | Pin | Signal Name |
| 1 | GND | 2 | GND | 1 | GP00 | 2 | GP34 |
| 3 | INT-A | 4 | PCICLK1 | 3 | GP01 | 4 | GP35 |
| 5 | INT-B | 6 | PCICLK2 | 5 | GP02 | 6 | GP36 |
| 7 | INT-C | 8 | PCICLK3 | 7 | GP03 | 8 | GP37 |
| 9 | INT-D | 10 | GND | 9 | GP04 | 10 | SPICS |
| 11 | PGNT-0 | 12 | PREQ-0 | 11 | GP05 | 12 | SPICLK |
| 13 | PGNT-1 | 14 | PREQ-1 | 13 | GP06 | 14 | SPIDO |
| 15 | PGNT-2 | 16 | PREQ-2 | 15 | GP07 | 16 | SPIDI |
| 17 | GND | 18 | GND | 17 | DCD4\ | 18 | SPEAKER |
| 19 | AD31 | 20 | AD30 | 19 | RXD4\ | 20 | SPEAKER |
| 21 | AD29 | 22 | AD28 | 21 | TXD4\ | 22 | KBCLK |
| 23 | AD27 | 24 | AD26 | 23 | DTR4\ | 24 | KBCLK |
| 25 | AD25 | 26 | AD24 | 25 | DSR4\ | 26 | KBCLK |
| 27 | AD23 | 28 | AD22 | 27 | RTS4\ | 28 | KBCLK |
| 29 | AD21 | 30 | AD20 | 29 | CTS4\ | 30 | KBCLK |
| 31 | AD19 | 32 | AD18 | 31 | VBATT | 31 | KBCLK |
| 33 | AD17 | 34 | AD16 | 33 | 24MHz | 32 | KBCLK |
| 35 | AD15 | 36 | AD14 | 35 | DCD3\ | 34 | KBCLK |
| 37 | AD13 | 38 | AD12 | 37 | LFRAME- | 35 | KBCLK |
| 39 | AD11 | 40 | AD10 | 39 | GP10 | 36 | KBCLK |
| 41 | AD9 | 42 | AD8 | 41 | GP11 | 37 | KBCLK |
| 43 | AD7 | 44 | AD6 | 43 | GP12 | 38 | KBCLK |
| 45 | AD5 | 46 | AD4 | 45 | GP13 | 39 | KBCLK |
| 47 | AD3 | 48 | AD2 | 47 | GP14 | 40 | KBCLK |
| 49 | AD1 | 50 | AD0 | 49 | GP15 | 41 | KBCLK |
| | | | | | GP16 | 42 | KBCLK |
| | | | | | GP17 | 43 | KBCLK |
| | | | | | GND | 44 | KBCLK |
| | | | | | GND | 45 | KBCLK |
| | | | | | GND | 46 | KBCLK |
| | | | | | GND | 47 | KBCLK |
| | | | | | GND | 48 | KBCLK |
| | | | | | GND | 49 | KBCLK |
| | | | | | GND | 50 | KBCLK |

- 1 **1** Processor Module
- 2 **2** Tiny Module
- 3 **3** PC/104 CPU module
- 4 **4** Half-Size CPU module
- 5 **5** 3.5" CPU module
- 6 **6** Peripheral Module
- 7 **7** Display Product Series
- 8 **8** Accessories & Technical Information