



Unit: mm

### Specifications

<b>SoC</b>	DM&P SoC CPU Vortex86SX- 300MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	128/256MB DDR2 Onboard
<b>Watchdog Timer0 &amp; 1 Sets</b>	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
<b>LAN</b>	Integrated 10/100Mbps Ethernet
<b>Flash Disk Support</b>	Compact Flash Type I/II Onboard 2MB SPI Flash Disk
<b>I/O Interface</b>	RS-232 port x3 USB port (Ver2.0) x2 10/100Mbps Ethernet port x1
<b>Connectors</b>	1.25mm 3-pin wafer for RS-232 x3 1.25mm 5-pin wafer for USB x1 1.25mm 4-pin wafer for Keyboard x1 1.25mm 6-pin wafer for JTAG x1 Type I/II Compact Flash slot x1
<b>Power Requirement</b>	Single Voltage +5V @ 360mA
<b>Weight</b>	24g
<b>Board Size</b>	64 x 46mm (2.52 x 1.81 inches)
<b>Operating Temperature</b>	-20°C ~ +70°C -40°C ~ +85°C (Optional)

### Packing List

- VSX-6101-V2 x1

### Ordering information

- VSX-6101-V2** Vortex86SX DIP 48pin CPU Module with 128MB DDR2
- VSX-6100-EVB** Vortex86SX DIP 48/68pin CPU Module Development Board

### 2.0mm 48-Pin Signal Assignment for VSX-6101-V2

PIN#	Signal Name	PIN#	Signal Name
1	GND	25	GND
2	PWRGND	26	GP23
3	GP00	27	GP24
4	GP01	28	GP25
5	GP02	29	GP26
6	GP03	30	GP27
7	GP04	31	CTS1\
8	GP05	32	DSR1\
9	GP06	33	DTR1\
10	GP07	34	RXD1\
11	SPICS	35	RI1\
12	SPICLIK	36	RTS1\
13	SPIDO	37	TXD1\
14	SPIDI	38	DCD1\
15	GP34	39	GND
16	GP35	40	LUSBD0-
17	GP36	41	LUSBD0+
18	GP37	42	LUSBD1-
19	SPEAKER	43	LUSBD1+
20	GP20	44	LAN-RX-
21	GP21	45	LAN-RX+
22	GP22	46	LAN-TX-
23	VBATT	47	LAN-TX+
24	VCC	48	VCC