



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
BIOS	AMI BIOS
System Memory	128/256MB DDR2 Onboard
Watchdog Timer0 & 1 Sets	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
LAN	Integrated 10/100Mbps Ethernet
Flash Disk Support	Compact Flash Type I/II Onboard 2MB SPI Flash Disk
I/O Interface	RS-232 port x4 (TX /RX x3) USB port (Ver2.0) x3 10/100Mbps Ethernet port x1
Connectors	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
Power Requirement	Single Voltage +5V @ 320mA
Weight	24g
Board Size	64 x 46mm (2.52 x 1.81 inches)
Operating Temperature	-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/GP30	35	RI1\
12	SPICLIK/GP31	36	RTS1\
13	SPIDO/GP32	37	TXD1\
14	SPIDI/GP33	38	DCD1\
15	GP34	39	GND
16	GP35	40	LUSBD2-
17	GP36	41	LUSBD2+
18	GP37	42	LUSBD3-
19	SPEAKER	43	LUSBD3+
20	GP20	44	LAN-RX-
21	GP21	45	LAN-RX+
22	GP22	46	LAN-TX-
23	VBATT	47	LAN-TX+
24	VCC	48	VCC