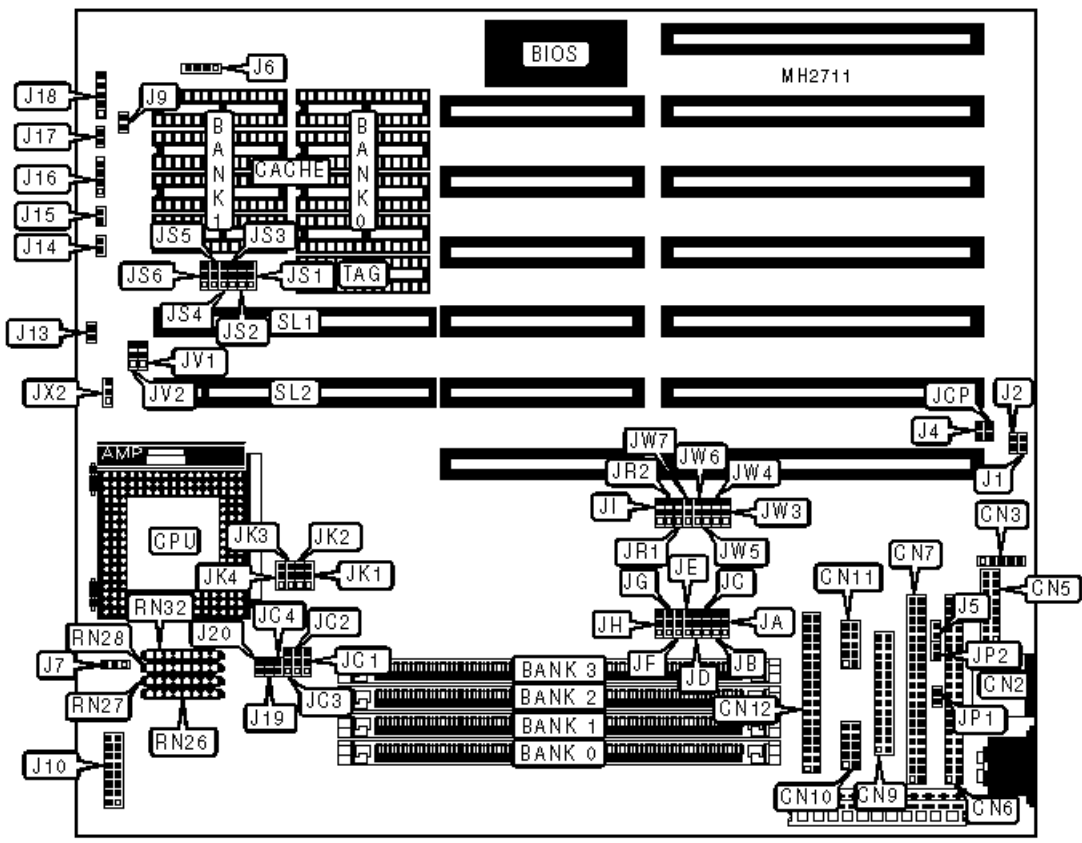


FIRST INTERNATIONAL COMPUTER, INC.

486-PVT-IO

Processor	CX486S/80486SX/SL80486SX/AM486DX/CX486DXV/CX486DX/80486DX/ AM486DX2/CX486DX2V /CX486DX2/80486DX2/SL80486DX2/AM486DX4/ 80486DX4/P24CT/P24D/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)/75(internal)/100(internal)MHz
Chip Set	VIA
Max. Onboard DRAM	128MB
Cache	256/512/1024KB
BIOS	Award
Dimensions	244mm x 218mm
I/O Options	32-bit VESA local bus slots (2), floppy drive interface, game port, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 mouse interface, serial ports (2)
NPU Options	None



CONNECTIONS			
Purpose	Location	Purpose	Location
PS/2 mouse port	CN2	External battery	J6
PS/2 mouse interface	CN3	Chassis fan power	J7
Game interface	CN5	Green PC connector	J9
IDE interface (primary)	CN6	Daughter board connector	J10

IDE interface (secondary)	CN7	IDE interface LED	J13
Parallel port	CN9	Turbo LED	J14
Serial port 2	CN10	Turbo switch	J15
Serial port 1	CN11	Speaker	J16
Floppy drive interface	CN12	Reset switch	J17
Green PC connector	J1	Power LED & keylock	J18
Green PC LED	J2	32-bit VESA local bus slots	SL1 & SL2

USER CONFIGURABLE SETTINGS

Function		Jumper	Position
»	IDE interface enabled	JG	pins 2 & 3 closed
	IDE interface disabled	JG	pins 1 & 2 closed
	Floppy drive interface enabled	JH	pins 2 & 3 closed
	Floppy drive interface disabled	JH	pins 1 & 2 closed
	Parallel port bidirectional	JI	Open
	Parallel port unidirectional (printer)	JI	Closed
	CMOS memory normal operation	JCP	Open
»	CMOS memory clear	JCP	Closed
	Monitor type select monochrome/EGA/VGA	J4	Open
»	Monitor type select CGA	J4	Closed
	IDE interface pin 27 open	JP1	Open
»	IDE interface pin 27 linked to IOCHRDY signal	JP1	Closed
»	Game port enabled	JW7	pins 2 & 3 closed
	Game port disabled	JW7	pins 1 & 2 closed

DRAM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	(1) 256K x 36	NONE	NONE	NONE
1MB	NONE	(1) 256K x 36	NONE	NONE
1MB	NONE	NONE	(1) 256K x 36	NONE
2MB	(1) 256K x 36	(1) 256K x 36	NONE	NONE
2MB	(1) 256K x 36	NONE	(1) 256K x 36	NONE
2MB	NONE	NONE	(1) 256K x 36	(1) 256K x 36
2MB	NONE	(1) 256K x 36	(1) 256K x 36	NONE
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	NONE
3MB	NONE	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
3MB	(1) 256K x 36	NONE	(1) 256K x 36	(1) 256K x 36

DRAM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	(1) 1M x 36	NONE	NONE	NONE
4MB	NONE	(1) 1M x 36	NONE	NONE
4MB	NONE	NONE	(1) 1M x 36	NONE
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 256K x 36	(1) 1M x 36	NONE	NONE
5MB	(1) 256K x 36	NONE	(1) 1M x 36	NONE
5MB	(1) 1M x 36	(1) 256K x 36	NONE	NONE
5MB	(1) 1M x 36	NONE	(1) 256K x 36	NONE
5MB	NONE	(1) 256K x 36	(1) 1M x 36	NONE
5MB	NONE	(1) 1M x 36	(1) 256K x 36	NONE
6MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	NONE

6MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	NONE
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	NONE
6MB	NONE	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 1M x 36	NONE	(1) 256K x 36	(1) 256K x 36
7MB	(1) 256K x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 1M x 36	(1) 1M x 36	NONE	NONE
8MB	(1) 1M x 36	NONE	(1) 1M x 36	NONE
8MB	NONE	NONE	(1) 1M x 36	(1) 1M x 36
9MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	NONE
9MB	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36	NONE
9MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	NONE
9MB	NONE	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
9MB	(1) 256K x 36	NONE	(1) 1M x 36	(1) 1M x 36
10MB	(1) 256K x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
10MB	(1) 1M x 36	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	NONE
12MB	NONE	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
12MB	(1) 1M x 36	NONE	(1) 1M x 36	(1) 1M x 36
13MB	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
13MB	(1) 1M x 36	(1) 256K x 36	(1) 1M x 36	(1) 1M x 36
16MB	NONE	(1) 4M x 36	NONE	NONE
16MB	NONE	NONE	(1) 4M x 36	NONE
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36

17MB	(1) 256K x 36	NONE	(1) 4M x 36	NONE
17MB	NONE	(1) 256K x 36	(1) 4M x 36	NONE
17MB	NONE	(1) 4M x 36	(1) 256K x 36	NONE
18MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	NONE
18MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	NONE
18MB	NONE	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
19MB	(1) 256K x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 1M x 36	(1) 4M x 36	NONE	NONE

DRAM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
20MB	(1) 1M x 36	NONE	(1) 4M x 36	NONE
20MB	NONE	(1) 1M x 36	(1) 4M x 36	NONE
20MB	NONE	(1) 4M x 36	(1) 1M x 36	NONE
21MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	NONE
21MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	NONE
21MB	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36	NONE
21MB	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36	NONE
22MB	(1) 1M x 36	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36
24MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	NONE
24MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	NONE
24MB	NONE	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
25MB	(1) 256K x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
28MB	(1) 1M x 36	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36
32MB	NONE	NONE	(1) 4M x 36	(1) 4M x 36

32MB	(1) 8M x 36	NONE	NONE	NONE
32MB	NONE	(1) 8M x 36	NONE	NONE
32MB	NONE	(1) 4M x 36	(1) 4M x 36	NONE
33MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	NONE
33MB	NONE	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
33MB	(1) 256K x 36	NONE	(1) 4M x 36	(1) 4M x 36
34MB	(1) 256K x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	NONE
36MB	NONE	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
36MB	(1) 1M x 36	NONE	(1) 4M x 36	(1) 4M x 36
37MB	(1) 256K x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
37MB	(1) 1M x 36	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36
40MB	(1) 1M x 36	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36
48MB	NONE	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
49MB	(1) 256K x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	NONE	(1) 8M x 36	(1) 8M x 36	NONE
65MB	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36	NONE
66MB	(1) 256K x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
66MB	(1) 256K x 36	(1) 8M x 36	(1) 256K x 36	(1) 8M x 36
66MB	(1) 8M x 36	(1) 8M x 36	(1) 256K x 36	(1) 256K x 36
68MB	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36	NONE
68MB	NONE	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
68MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	NONE

69MB	(1) 256K x 36	(1) 8M x 36	(1) 1M x 36	(1) 8M x 36
69MB	(1) 1M x 36	(1) 256K x 36	(1) 8M x 36	(1) 8M x 36
69MB	(1) 1M x 36	(1) 8M x 36	(1) 256K x 36	(1) 8M x 36

DRAM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
72MB	(1) 1M x 36	(1) 1M x 36	(1) 8M x 36	(1) 8M x 36
72MB	(1) 1M x 36	(1) 8M x 36	(1) 1M x 36	(1) 8M x 36
72MB	(1) 8M x 36	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36
80MB	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36	NONE
80MB	(1) 8M x 36	(1) 8M x 36	(1) 4M x 36	NONE
81MB	(1) 256K x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
81MB	(1) 256K x 36	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36
84MB	(1) 1M x 36	(1) 4M x 36	(1) 8M x 36	(1) 8M x 36
84MB	(1) 1M x 36	(1) 8M x 36	(1) 4M x 36	(1) 8M x 36
96MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	NONE
128MB	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION

Size	Bank 0	Bank 1	TAG
128KB	(4) 32K x 8	NONE	(1) 8K x 8 or (1) 32K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
256KB	(4) 64K x 8	NONE	(1) 32K x 8
512KB	(4) 64K x 8	(4) 64K x 8	(1) 32K x 8
512KB	(4) 128K x 8	NONE	(1) 32K x 8
1MB	(4) 128K x 8	(4) 128K x 8	(1) 64K x 8 or (1) 128K x 8

CACHE JUMPER CONFIGURATION

Size	JS1	JS2	JS3	JS4	JS5	JS6
128KB	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
256KB	2 & 3	2 & 3	1 & 2	1 & 2	1 & 2	1 & 2
512KB	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
1MB	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION

Type	JC1	JC2	JC3	JC4	JX2
CX486S	2 & 3	2 & 3	1 & 2	Open	2 & 3
80486SX	2 & 3	2 & 3	1 & 2	Open	1 & 2
SL80486SX	2 & 3	2 & 3	1 & 2	Open	1 & 2
AM486DX	1 & 2	1 & 2	1 & 2	Open	1 & 2
cx486dxV	1 & 2	1 & 2	1 & 2	Open	2 & 3
cx486dx	1 & 2	1 & 2	1 & 2	Open	2 & 3
80486DX	1 & 2	1 & 2	1 & 2	Open	1 & 2
AM486DX2	1 & 2	1 & 2	1 & 2	Open	1 & 2
cx486dx2V	1 & 2	1 & 2	1 & 2	Open	2 & 3
cx486dx2	1 & 2	1 & 2	1 & 2	Open	2 & 3
80486DX2	1 & 2	1 & 2	1 & 2	Open	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION (CON'T)

Type	JC1	JC2	JC3	JC4	JX2
SL80486DX2	1 & 2	1 & 2	1 & 2	Open	1 & 2

AM486DX4	1 & 2	1 & 2	1 & 2	Open	1 & 2
80486DX4	1 & 2	1 & 2	1 & 2	Open	1 & 2
P24CT	1 & 2	1 & 2	1 & 2	Closed	1 & 2
P24D	1 & 2	1 & 2	1 & 2	Closed	1 & 2
P24T	1 & 2	1 & 2	1 & 2	Closed	1 & 2

Note: Pins designated should be in the closed position.

CPU TYPE CONFIGURATION

Type	RN26	RN27	RN28	RN32
CX486S	Not installed	Installed	Not installed	Not installed
80486SX	Not installed	Not installed	Installed	Not installed
SL80486SX	Not installed	Not installed	Installed	Not installed
AM486DX	Not installed	Not installed	Not installed	Installed
cx486dxV	Not installed	Installed	Not installed	Not installed
cx486dx	Not installed	Installed	Not installed	Not installed
80486DX	Not installed	Not installed	Installed	Not installed
AM486DX2	Not installed	Not installed	Not installed	Installed
cx486dx2V	Not installed	Installed	Not installed	Not installed
cx486dx2	Not installed	Installed	Not installed	Not installed
80486DX2	Not installed	Not installed	Installed	Not installed
SL80486DX2	Not installed	Not installed	Installed	Not installed
AM486DX4	Not installed	Not installed	Not installed	Installed
80486DX4	Not installed	Not installed	Installed	Not installed
P24CT	Installed	Not installed	Installed	Not installed
P24D	Installed	Not installed	Installed	Not installed

P24T	Not installed	Not installed	Installed	Not installed
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CPU SPEED CONFIGURATION

Speed	JK1	JK2	JK3	JK4
25MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
50iMHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
50MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
66iMHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
75iMHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
100iMHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed

CPU SPEED CONFIGURATION (AM486DX2 ONLY)

Speed	J19	J20
2x	Closed	Closed
3x	Open	Open

CPU VOLTAGE CONFIGURATION

Voltage	J2	J3
3.45v	Open	Open
3.6v	Open	pins 1 & 2 closed
4v	Open	pins 2 & 3 closed

Note: Jumpers J2 & J3 are located on the daughter board.

DAUGHTER BOARD CONFIGURATION

Setting	J10
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Not installed	pins 1 & 2, 3 & 4, 13 & 15, 15 & 16 closed
Installed	Closed

VESA WAIT STATE CONFIGURATION

Wait states	JV1
0 wait states	pins 2 & 3 closed
1 wait state	pins 1 & 2 closed

BUS SPEED CONFIGURATION

CPU speed	JV2
<= 33MHz	pins 2 & 3 closed
> 33MHz	pins 1 & 2 closed

DMA CONFIGURATION

DMA	JW5	JW6
DMA 1	pins 1 & 2 closed	pins 1 & 2 closed
DMA 3	pins 2 & 3 closed	pins 2 & 3 closed

IDE R/W SIGNAL CONFIGURATION

Type	JR1	JR2
VT82C496G	pins 2 & 3 closed	pins 2 & 3 closed
W83758	pins 1 & 2 closed	pins 1 & 2 closed

IDE CONFIGURATION

Setting	J5	JP2
IDE interface pin 28 open	Open	Open
IDE interface pin 28 linked to BALE signal	Closed	Closed

IDE CONFIGURATION

PARALLEL PORT CONFIGURATION

Type	JW3	JW4
Print	pins 2 & 3 closed	pins 2 & 3 closed
EPP/SPP	pins 2 & 3 closed	pins 1 & 2 closed
EPP/ECP	pins 1 & 2 closed	pins 2 & 3 closed
EXT2FDD	pins 1 & 2 closed	pins 1 & 2 closed

PARALLEL PORT CONFIGURATION

Address	JE	JF
378H	pins 1 & 2 closed	pins 2 & 3 closed
278H	pins 2 & 3 closed	pins 1 & 2 closed
3BCH	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 1 CONFIGURATION

Address	JA	JB
3F8H	pins 2 & 3 closed	pins 1 & 2 closed
2E8H	pins 2 & 3 closed	pins 2 & 3 closed
3E8H	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

SERIAL PORT 2 CONFIGURATION

Address	JC	JD
378H	pins 2 & 3 closed	pins 1 & 2 closed
2E8H	pins 1 & 2 closed	pins 2 & 3 closed
3E8H	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	pins 1 & 2 closed	pins 1 & 2 closed

