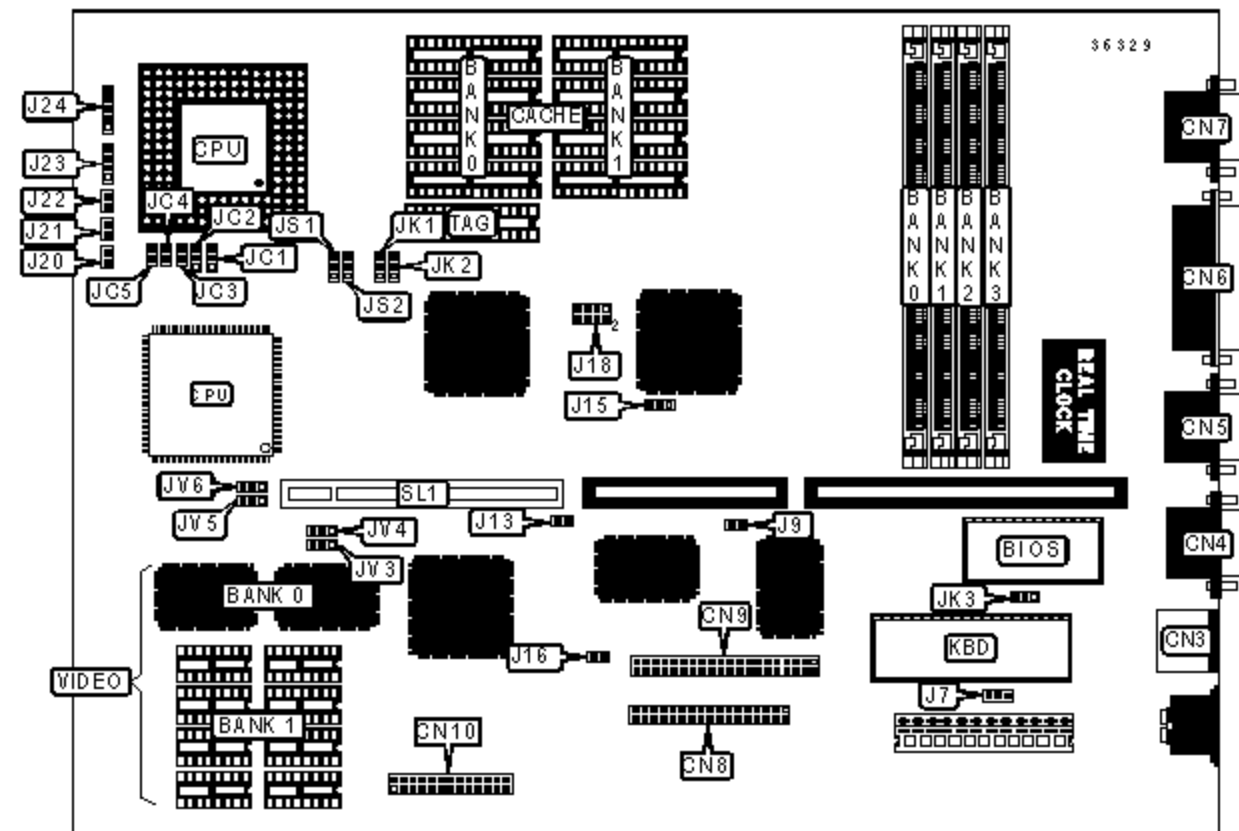


# FIRST INTERNATIONAL COMPUTER, INC.

## 486-VAC-V REV. A1

<b>Device Type</b>	Mainboard
<b>Processor</b>	80486SX/80487SX/80486DX/80486DX2
<b>Processor Speed</b>	25/33/40/50(internal)/50/66(internal)MHz
<b>Chip Set</b>	VIA VT
<b>Video Chip Set</b>	Cirrus Logic
<b>Maximum Onboard Memory</b>	64MB
<b>Maximum Video Memory</b>	2MB
<b>Cache</b>	64/128/256KB
<b>BIOS</b>	AMI, Award
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	32-bit VESA local bus slot, floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), VGA port



### CONNECTIONS

Purpose	Location	Purpose	Location
PS/2 mouse port	CN3	IDE interface LED	J13
Serial port 1	CN4	Turbo LED	J20
Serial port 2	CN5	Turbo switch	J21
Parallel port	CN6	Reset switch	J22
VGA port	CN7	Speaker	J23
Floppy drive interface	CN8	Power LED & keylock	J24

IDE interface	CN9	32-bit VESA local bus slot	SL1
8514A connector	CN10		

<b>USER CONFIGURABLE SETTINGS</b>			
<b>Function</b>		<b>Label</b>	<b>Position</b>
»	CMOS memory normal operation	J7	Open
	CMOS memory clear (Award)	J7	Pins 1 & 2 closed
	CMOS memory clear (AMI)	J7	Pins 2 & 3 closed
»	IOCHRDY disabled	J9	Open
	IOCHRDY enabled	J9	Closed
»	Fast A20 enabled	J15	Pins 1 & 2 closed
	KB A20 enabled	J15	Pins 2 & 3 closed
»	BALE enabled	J16	Open
	BALE disabled	J16	Closed
»	Address decode select normal	JK3	Pins 1 & 2 closed
	Address decode select Weitek interface	JK3	Pins 2 & 3 closed
»	On board video enabled	JV3	Closed
	On board video disabled	JV3	Open
»	VGA IRQ9 disabled	JV4	Closed
	VGA IRQ9 enabled	JV4	Open

<b>SIMM CONFIGURATION</b>				
<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>	<b>Bank 2</b>	<b>Bank 3</b>
1MB	(1) 256K x 36	None	None	None
2MB	(1) 512K x 36	None	None	None
2MB	(1) 256K x 36	(1) 256K x 36	None	None
2MB	(1) 512K x 36	(1) 256K x 36	None	None

3MB	(1) 512K x 36	(1) 256K x 36	None	None
3MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	None
4MB	(1) 1M x 36	None	None	None
4MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	None
4MB	(1) 512K x 36	(1) 512K x 36	None	None
4MB	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
5MB	(1) 1M x 36	(1) 256K x 36	None	None
5MB	(1) 512K x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	None
6MB	(1) 1M x 36	(1) 512K x 36	None	None

**SIMM CONFIGURATION (CON'T)**

<b>Size</b>	<b>Bank 0</b>	<b>Bank 1</b>	<b>Bank 2</b>	<b>Bank 3</b>
6MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	None
7MB	(1) 1M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
8MB	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
9MB	(1) 2M x 36	(1) 256K x 36	None	None
10MB	(1) 2M x 36	(1) 512K x 36	None	None
10MB	(1) 1M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
10MB	(1) 512K x 36	(1) 2M x 36	None	None
11MB	(1) 2M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
12MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	None
12MB	(1) 2M x 36	(1) 1M x 36	None	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
14MB	(1) 2M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36

16MB	(1) 4M x 36	None	None	None
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None
16MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
17MB	(1) 4M x 36	(1) 256K x 36	None	None
18MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	None
18MB	(1) 4M x 36	(1) 512K x 36	None	None
19MB	(1) 4M x 36	(1) 256K x 36	(1) 256K x 36	(1) 256K x 36
20MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	None
20MB	(1) 4M x 36	(1) 1M x 36	None	None
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
22MB	(1) 4M x 36	(1) 512K x 36	(1) 512K x 36	(1) 512K x 36
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None
24MB	(1) 4M x 36	(1) 2M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36	None	None
32MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
52MB	(1) 1M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
56MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36

### CACHE CONFIGURATION

Size	Bank 0	Bank 1	TAG

64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	None	(1) 16K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION		
Size	JS1	JS2
64KB	Pins 1 & 2 closed	Pins 1 & 2 closed
128KB	Pins 2 & 3 closed	Pins 1 & 2 closed
256KB	Pins 2 & 3 closed	Pins 2 & 3 closed

VIDEO MEMORY CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(2) 256K x 16	None
2MB	(2) 256K x 16	(8) 44256

CPU SPEED SELECTION					
Speed		J18/pins 1 & 2	J18/pins 3 & 4	J18/pins 5 & 6	J18/pins 7 & 8
	12MHz	Closed	Closed	Closed	Open
	16MHz	Open	Closed	Closed	Open
	20MHz	Closed	Open	Closed	Open
	24MHz	Closed	Closed	Closed	Closed
	25MHz	Open	Open	Closed	Open
	32MHz	Open	Closed	Closed	Closed
»	33MHz	Closed	Open	Open	Open
	40MHz	Closed	Open	Closed	Closed
	40MHz	Closed	Closed	Open	Open
	50MHz	Open	Open	Closed	Closed

	50MHz	Open	Closed	Open	Open
	66MHz	Open	Closed	Open	Closed
	66MHz	Closed	Open	Open	Closed
	80MHz	Closed	Closed	Open	Closed
	Test	Open	Open	Open	Closed
	Power down	Open	Open	Open	Open

### CPU TYPE SELECTION

Type	JC1	JC2	JC3	JC4	JK1	JK2
804860X-33	1 & 2	1 & 2	Closed	Closed	2 & 3	2 & 3
804868X-33	2 & 3	2 & 3	Open	Open	2 & 3	2 & 3
80486SX-20	2 & 3	2 & 3	Open	Open	1 & 2	1 & 2
80486SX-25	2 & 3	2 & 3	Open	Open	1 & 2	1 & 2
80487SX-20	1 & 2	1 & 2	Open	Open	1 & 2	1 & 2
80487SX-25	1 & 2	1 & 2	Open	Open	1 & 2	1 & 2
80486DX-20	1 & 2	1 & 2	Closed	Closed	1 & 2	1 & 2
80486DX-25	1 & 2	1 & 2	Closed	Closed	1 & 2	1 & 2
80486DX2-50	1 & 2	1 & 2	Closed	Closed	1 & 2	1 & 2
80486DX2-66	1 & 2	1 & 2	Closed	Closed	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

### CPU TYPE SELECTION

Type	JC5
» PGA	Closed
PQFP	Open

**VL BUS WAIT STATE SELECTION**

<b>Setting</b>		<b>JV5</b>
»	0	Pins 2 & 3 closed
	1	Pins 1 & 2 closed

**VL BUS SPEED SELECTION**

<b>Speed</b>	<b>JV6</b>
<= 33MHz	Pins 2 & 3 closed
>33 MHz	Pins 1 & 2 closed