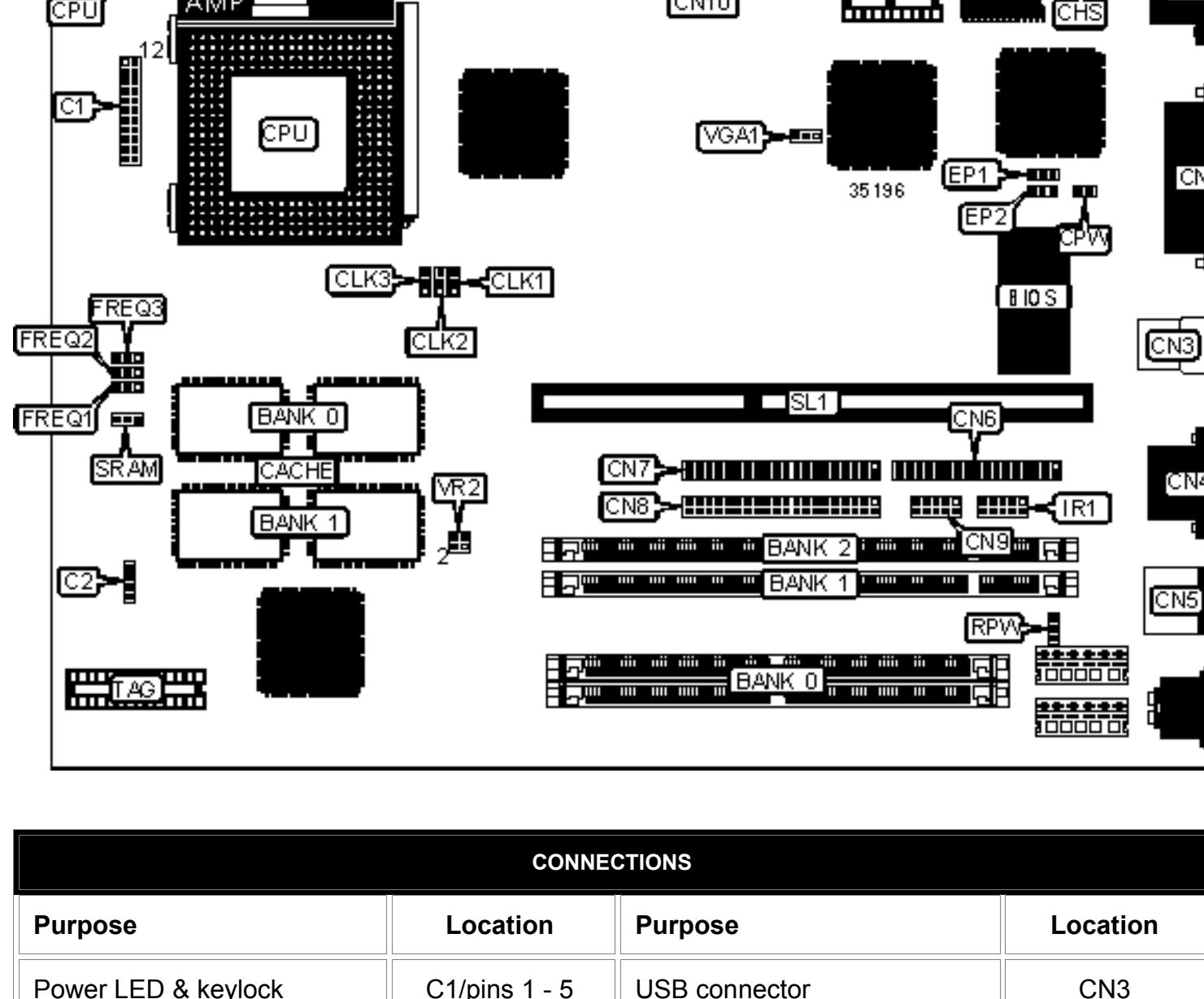


# FIRST INTERNATIONAL COMPUTER, INC.

## PAK-2005 (USB)

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/IBM 6X86/CX 6X86L/IBM 6X86L/CX 686MX/IBM 6X86MX/
<b>Processor Speed</b>	AM K5/AM K6/Pentium 90/100/120/133/150/166/200/233/266/300MHz
<b>Chip Set</b>	VIA
<b>Video Chip Set</b>	S3
<b>Maximum Onboard Memory</b>	256MB (EDO & SDRAM supported)
<b>Maximum Video Memory</b>	2MB
<b>Cache</b>	256/512/1024KB
<b>BIOS</b>	Award
<b>Dimensions</b>	254mm x 218mm
<b>I/O Options</b>	Floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port, riser slot, IR connector, USB connector
<b>NPU Options</b>	None



CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	C1/pins 1 - 5	USB connector	CN3
Turbo LED	C1/pins 6 & 7	Serial port 1	CN4
Green PC connector	C1/pins 8 & 9	PS/2 mouse port	CN5
Green PC LED	C1/pins 10 & 11	Floppy drive interface	CN6
Speaker	C1/pins 12 - 15	IDE interface 1	CN7
IDE interface LED	C1/pins 16 & 17	IDE interface 2	CN8
Soft off power supply	C1/pins 18 & 19	Serial port 2	CN9
Reset switch	C1/pins 20 & 21	VGA feature connector	CN10
External battery	C2	CPU fan power	CPU
Chassis fan power	CHA	IR connector	IR1
Chassis alarm connector	CHS	Wake on LAN connector	LAN
VGA port	CN1	Remote power connector	RPW
Parallel port	CN2	Riser slot	SL1

USER CONFIGURABLE SETTINGS			
Function		Label	Position
»	Password disabled	CPW	Open
	Password enabled	CPW	Closed
»	Burst type select Intel	SRAM	Pins 1 & 2 closed
	Burst type select linear	SRAM	Pins 2 & 3 closed
»	On board video enabled	VGA1	Pins 1 & 2 closed
	On board video disabled	VGA1	Pins 2 & 3 closed

SIMM CONFIGURATION	
Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36
128MB	(2) 16M x 36
256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION		
Size	Bank 1	Bank 2
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
256KB	(2) 32K x 32	None	(1) 32K x 8
512KB	(2) 64K x 32	None	(1) 32K x 8
512KB	(2) 32K x 32	(2) 32K x 32	(1) 32K x 8
1MB	(2) 64K x 32	(2) 64K x 32	(1) 32K x 8

**VIDEO MEMORY CONFIGURATION**  
Note: The chip size for the video memory is unidentified.

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86L)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86L)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
133MHz	55MHz	2x	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
166MHz	55MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	60MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	55MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
266MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (IBM 6X86MX)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
166MHz	55MHz	2.5x	1 & 2	2 & 3	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	60MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
200MHz	55MHz	3x	1 & 2	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2
200MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
266MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
120MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
133MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
150MHz	60MHz	1.75x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	1.75x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K6)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
266MHz	66MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	2 & 3
300MHz	66MHz	4.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
90MHz	60MHz	1.5x	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2	1 & 2
100MHz	66MHz	1.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
120MHz	60MHz	2x	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2	1 & 2
133MHz	66MHz	2x	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2.5x	1 & 2	1 & 2	2 & 3	2 & 3	2 & 3	1 & 2
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)								
CPU speed	Clock speed	Multiplier	CLK1	CLK2	CLK3	FREQ1	FREQ2	FREQ3
166MHz	66MHz	2.5x	1 & 2	1 & 2	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	1 & 2	1 & 2	1 & 2	1 & 2	2 & 3	1 & 2
233MHz	66MHz	3.5x	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (SINGLE)		
Voltage	VR1	VR2
3.3v	Pins 3 & 4 closed	Open
3.5v	Pins 1 & 2 closed	Open

CPU VOLTAGE SELECTION (DUAL)			
Voltage	V core	VR1	VR2
3.3v	2.1v	Pins 11 & 12 closed	Pins 1 & 2, 3 & 4 closed
3.3v	2.8v	Pins 9 & 10 closed	Pins 1 & 2, 3 & 4 closed
3.3v	2.9v	Pins 7 & 8 closed	Pins 1 & 2, 3 & 4 closed
3.3v	3.2v	Pins 5 & 6 closed	Pins 1 & 2, 3 & 4 closed

FLASH BIOS SELECTION		
Type	EP1	EP2
AMD 28F010A	Pins 1 & 2 closed	Pins 1 & 2 closed
AMD 28F020	Pins 1 & 2 closed	Pins 2 & 3 closed
ATMEL 29C010A	Pins 1 & 2 closed	Pins 1 & 2 closed
ATMEL AT29C020	Pins 1 & 2 closed	Pins 2 & 3 closed
Intel 28F001	Pins 2 & 3 closed	Open
Intel 28F002	Pins 2 & 3 closed	Pins 2 & 3 closed
MXIC MX28F1000P	Pins 2 & 3 closed	Open
MXIC MX28F2000P	Pins 2 & 3 closed	Pins 2 & 3 closed
SST 29EE010	Pins 1 & 2 closed	Pins 1 & 2 closed
SST 29EE020	Pins 1 & 2 closed	Pins 2 & 3 closed