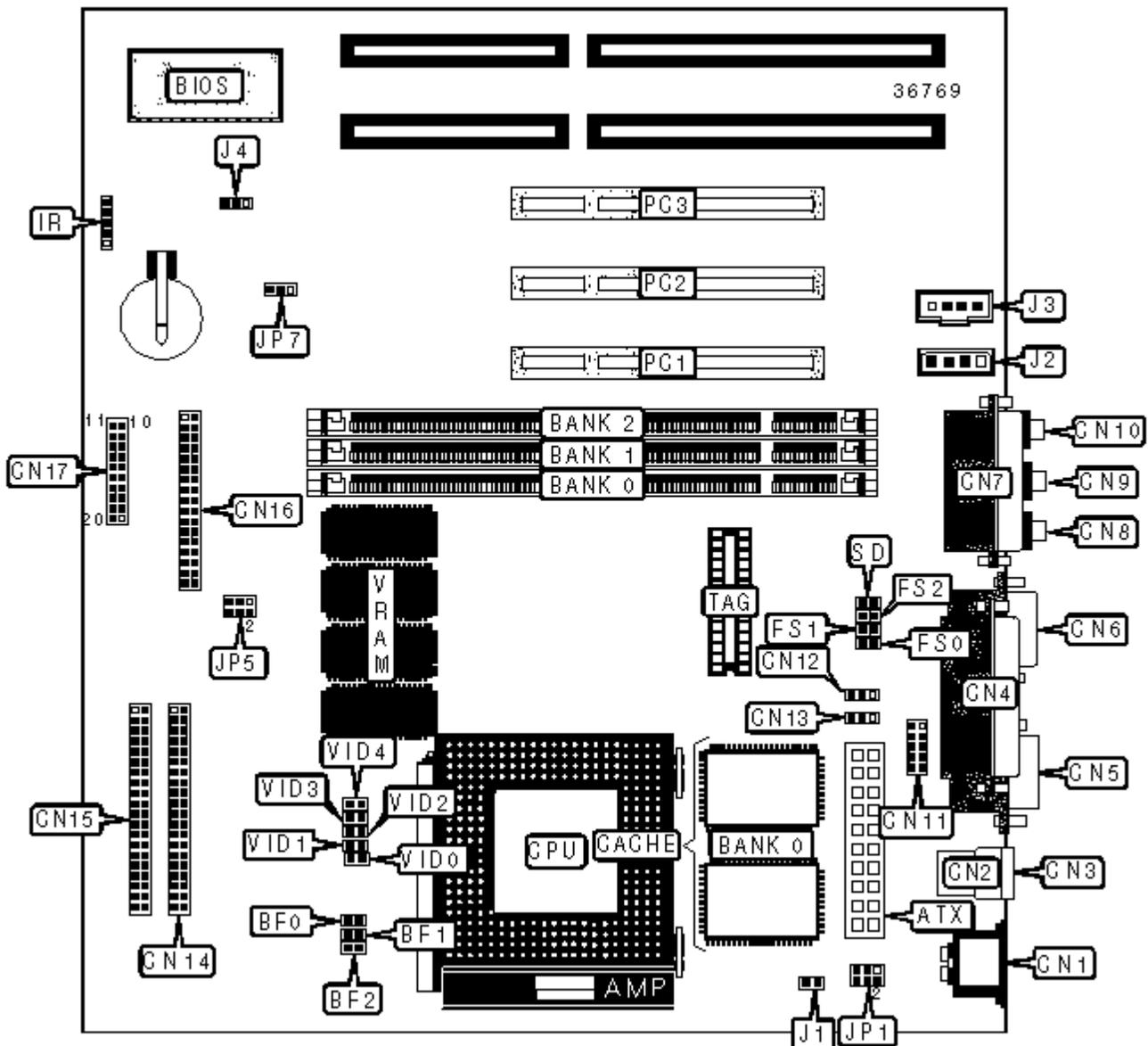


# ENPC TECHNOLOGY CORPORATION

## EP-PS21 (REV. A)

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86MX/CX M2/AM K5/AM K6/AM K6-2/Pentium/Pentium MMX
<b>Processor Speed</b>	90/100/120/133/150/166/180/200/233/266/300/333/350/366/380/400/450/475M Hz
<b>Chip Set</b>	SIS 530
<b>Video Chip Set</b>	SIS
<b>Audio Chip Set</b>	ESS
<b>Maximum Onboard Memory</b>	768MB (SDRAM supported)
<b>Maximum Video Memory</b>	8MB
<b>Maximum Audio Memory</b>	Unidentified
<b>Cache</b>	512KB
<b>BIOS</b>	Award
<b>Dimensions</b>	220mm x 240mm
<b>I/O Options</b>	32-bit PCI slots (3), floppy drive interface, game/MIDI port, IDE interfaces (2), parallel port, PS/2 mouse port, serial port, serial interface, VGA port, IR connector, USB ports (2), ATX power connector, AGP slot, line in, line out, microphone in, audio in - CD-ROMs (2), Wake-on-LAN connector



## CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IDE interface 2	CN14
PS/2 mouse port	CN1	IDE interface 1	CN15
USB port 1	CN2	Floppy drive interface	CN16
USB port 2	CN3	Reset switch	CN17/Pins 1 & 2
Parallel port	CN4	Power switch	CN17/Pins 5 & 6
Serial port	CN5	ACPI LED	CN17/Pins 7 & 8
VGA port	CN6	IDE interface LED	CN17/Pins 9 & 10
Game/MIDI port	CN7	Speaker	CN17/Pins 11-14
Line out	CN8	Power LED & keylock	CN17/Pins 15-19
Line in	CN9	IR connector	IR
Microphone in	CN10	Audio in - CD-ROM 2	J2
Serial interface	CN11	Audio in - CD-ROM 1	J3
CPU fan power	CN12	Wake-on-LAN connector	J4
Chassis fan power	CN13	32-bit PCI slots	PC1 - PC3

## USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Cache toggle mode	J1	Open
	Cache linear mode	J1	Closed
»	CMOS memory normal operation	JP7	Pins 2 & 3 closed
	CMOS memory clear	JP7	Pins 1 & 2 closed

## DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
8MB	(1) 1M x 64	None	None
16MB	(1) 1M x 64	(1) 1M x 64	None
16MB	(1) 2M x 64	None	None

24MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 1M x 64	(1) 1M x 64
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
48MB	(1) 4M x 64	(1) 1M x 64	(1) 1M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
80MB	(1) 8M x 64	(1) 1M x 64	(1) 1M x 64
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
144MB	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
256MB	(1) 16M x 64	(1) 16M x 64	None
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
272MB	(1) 32M x 64	(1) 1M x 64	(1) 1M x 64
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64

768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
Note: Board supports SDRAM memory.			

CPU SPEED SELECTION					
CPU clock speed	SDRAM clock speed	FS0	FS1	FS2	SD
66MHz	89MHz	Closed	Closed	Closed	Closed
66MHz	66MHz	Closed	Closed	Closed	Open
75MHz	75MHz	Open	Closed	Closed	Open
83MHz	66MHz	Open	Closed	Closed	Closed
83MHz	83MHz	Closed	Open	Closed	Open
95MHz	63MHz	Closed	Open	Closed	Closed
95MHz	95MHz	Open	Open	Closed	Open
100MHz	66MHz	Open	Open	Closed	Closed
100MHz	100MHz	Closed	Closed	Open	Open
112MHz	75MHz	Open	Closed	Open	Closed
112MHz	112MHz	Open	Closed	Open	Open

CPU MULTIPLIER SELECTION			
Multiplier	BF0	BF1	BF2
1.5x	Open	Open	Open
2x	Closed	Open	Open
2.5x	Closed	Closed	Open
3x	Open	Closed	Open
3.5x	Open	Open	Open
4x	Closed	Open	Closed
4.5x	Closed	Closed	Closed
5x	Open	Closed	Closed
5.5x	Open	Open	Closed

### 3.3V POWER SOURCE SELECTION

Setting	JP1/Pins 1 & 2	JP1/Pins 3 & 4	JP1/Pins 5 & 6
Power supply	Closed	Closed	Closed
3.3V	Open	Open	Open

Note: If JP1 is set to Power Supply, the 3.3V power regulator should be removed.

Note: 3.3v setting is dependant on JP5

### CPU VOLTAGE SELECTION

Setting	JP5
3.3V	Pins 1 & 2 closed
3.5V	Pins 3 & 4 closed

Note: JP5/Pins 5 & 6 are removed

### CPU VOLTAGE SELECTION

Voltage	VID0	VID1	VID2	VID3	VID4
1.8V	Open	Closed	Open	Closed	Closed
2.0V	Open	Closed	Closed	Closed	Closed
2.2V	Open	Closed	Open	Open	Open
2.5V	Closed	Open	Closed	Open	Open
2.8V	Open	Open	Open	Closed	Open
2.9V	Closed	Open	Open	Closed	Open
3.1V	Closed	Closed	Open	Closed	Open
3.2V	Open	Open	Closed	Closed	Open
3.3V	Closed	Open	Closed	Closed	Open
3.5V	Closed	Closed	Closed	Closed	Open

### MISCELLANEOUS TECHNICAL NOTES

Processor speeds listed include the speeds available for the Cyrix 6X86MX CPU, which is synonymous with the Cyrix M1 CPU.