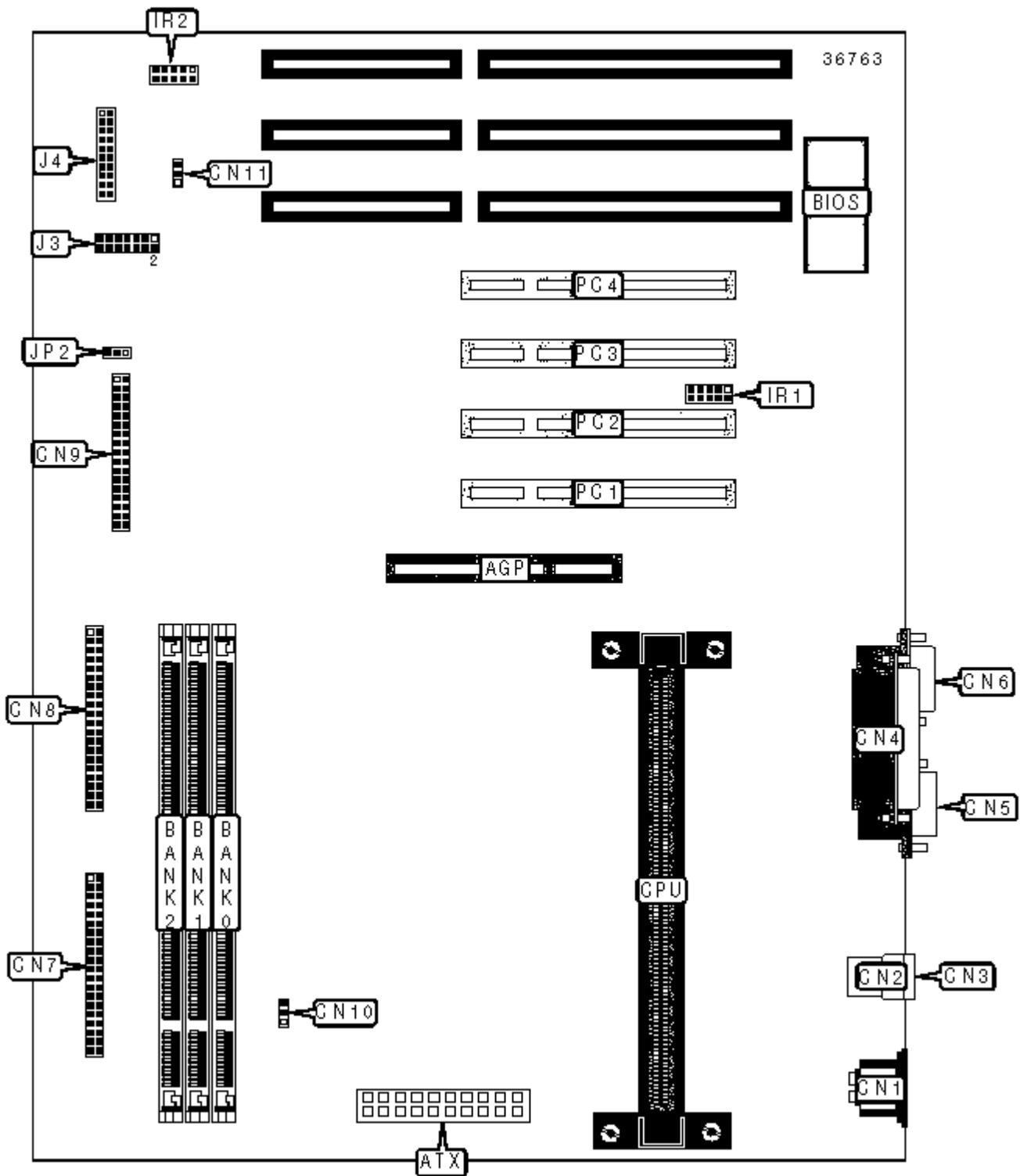


# ENPC TECHNOLOGY CORPORATION

EP-KB21 (REV. 1.2)

<b>Device Type</b>	Mainboard
<b>Processor</b>	Pentium II
<b>Processor Speed</b>	233/266/300/333/350/400/450/500MHz
<b>Chip Set</b>	Intel 440BX
<b>Maximum Onboard Memory</b>	384MB (EDO & SDRAM supported)
<b>Cache</b>	256/512KB (located on the Pentium II CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 190mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connectors (2), USB ports (2), ATX power connector, AGP slot



### CONNECTIONS

Purpose	Location	Purpose	Location
AGP slot	AGP	CPU fan power	CN10
ATX power connector	ATX	Chassis fan power	CN11
PS/2 mouse port	CN1	IR 1 connector	IR1
USB port 1	CN2	IR 2 connector	IR2

USB port 2	CN3	Reset switch	J4/Pins 1 & 3
Parallel port	CN4	Power LED & keylock	J4/Pins 4, 6, 8, 10 & 12
Serial port 2	CN5	Power switch	J4/Pins 9 & 11
Serial port 1	CN6	Turbo LED	J4/Pins 13 & 15
IDE interface 1	CN7	IDE interface LED	J4/Pins 17 & 19
IDE interface 2	CN8	Speaker	J4/Pins 14, 16, 18 & 20
Floppy drive interface	CN9	32-bit PCI slots	PC1 - PC4

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP2	Pins 1 & 2 closed
	CMOS memory clear	JP2	Pins 2 & 3 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) 16M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
Note: Board supports EDO & SDRAM memory.			

### CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPUs.

### CPU MULTIPLIER SELECTION

Multiplier	J3/Pins 1 & 2	J3/Pins 3 & 4	J3/Pins 5 & 6	J3/Pins 7 & 8
4x	Closed	Open	Closed	Closed
3.5x	Closed	Open	Open	Closed
4x	Open	Closed	Closed	Closed
4.5x	Open	Closed	Open	Closed
5x	Open	Open	Closed	Closed
5.5x	Open	Open	Open	Closed

### EXTERNAL CLOCK SPEED DELECTION

Speed	J3/Pins 9 & 10	J3/Pins 11 & 12	J3/Pins 13 & 14
66MHz	Open	Open	Open

75MHz	Closed	Open	Closed
83MHz	Closed	Closed	Open
100MHz	Closed	Open	Open