ENPC TECHNOLOGY CORPORATION

EP-PT11 (REV. 1.7)

Device Type	Mainboard
Processor	CX 686MX/CX M2/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233/266/300MHz
Chip Set	Intel 430TX
Maximum Onboard Memory	256MB (EDO & SDRAM supported)
Cache	256/512KB
BIOS	AMI/Award
Dimensions	220mm x 250mm
I/O Options	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel interface, PS/2 mouse interface, serial interfaces (2), IR connectors (2), USB interface, ATX power connector, External battery connector
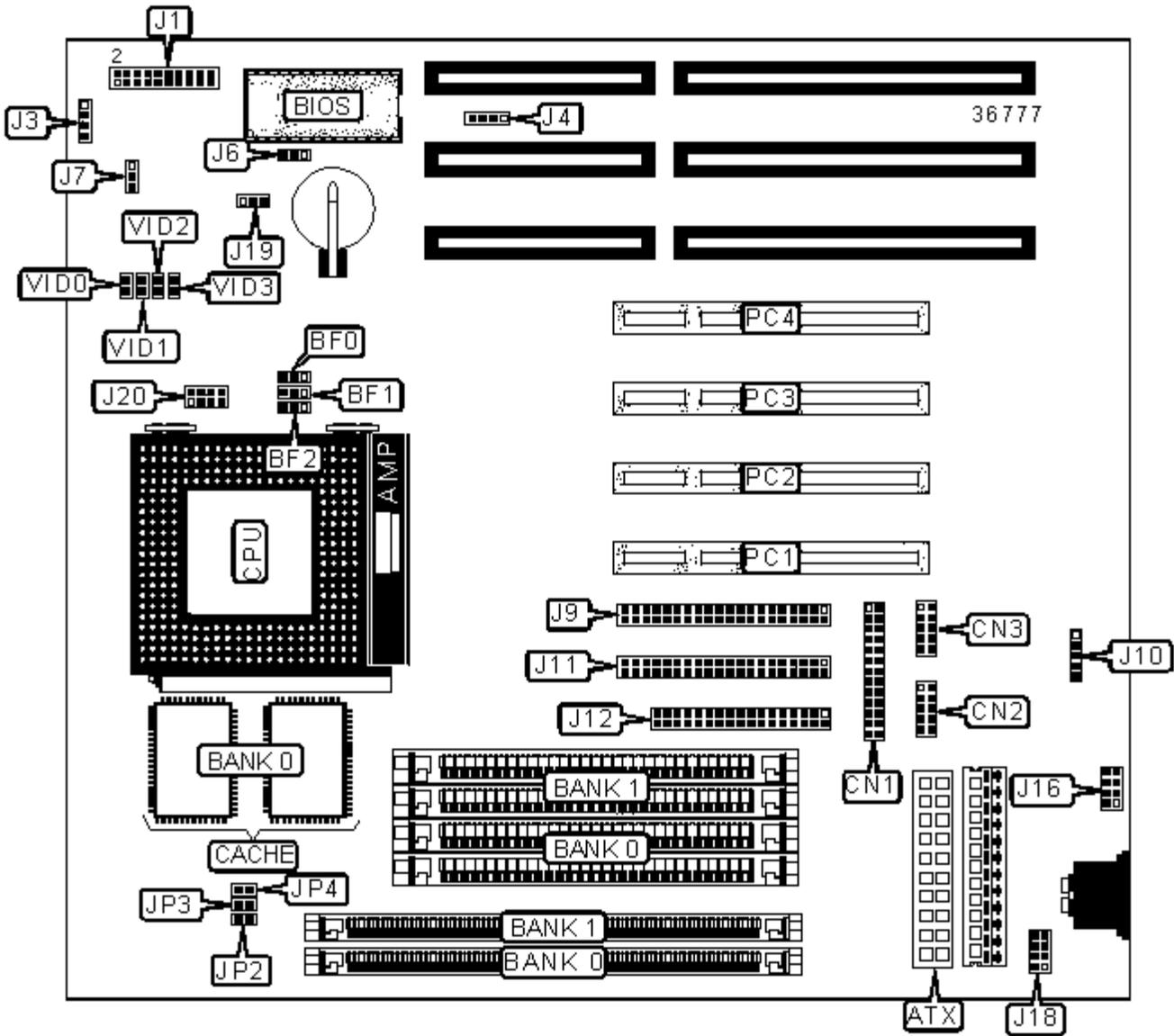
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**

ATX power connector	ATX	IR connector (front)	J3
Parallel interface	CN1	External battery connector	J4
Serial interface 2	CN2	CPU fan power	J7
Serial interface 1	CN3	IDE interface 1	J9
Speaker	J1/Pins 1, 3, 5, 7	IR connector (rear)	J10
IDE interface LED	J1/Pins 2 & 4	IDE interface 2	J11
Turbo LED	J1/Pins 6 & 8	Floppy drive interface	J12
Power LED & keylock	J1/Pins 9, 11, 13, 15, 17	USB interface	J16
Power switch	J1/Pins 10 & 12	PS/2 mouse interface	J18
Reset switch	J1/Pins 18 & 20	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» CMOS memory normal operation	J6	Pins 2 & 3 closed
CMOS memory clear	J6	Pins 1 & 2 closed
» Flash BIOS voltage selection +5V	J19	Pins 1 & 2 closed
Flash BIOS voltage selection +12V	J19	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
16MB	(2) 2M x 36	None
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36

80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
128MB	(2) 16M x 36	None
144MB	(2) 16M x 36	(2) 2M x 36
160MB	(2) 16M x 36	(2) 4M x 36
192MB	(2) 16M x 36	(2) 8M x 36
256MB	(2) 16M x 36	(2) 16M x 36

Note: Board accepts EDO & SDRAM memory.
Note: If using both SIMM and DIMM memory, only one bank of each may be filled simultaneously.

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
16MB	(1) 2M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
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 supports FP, EDO, & SDRAM memory.
Note: If using both SIMM and DIMM memory, only one bank of each may be filled simultaneously.

CLOCK SPEED SELECTION			
Speed	**JP2**	**JP3**	**JP4**
66.6MHz	Off	Off	Off
75MHz	Off	On	Off
83.3MHz	On	On	On

CPU TYPE SELECTION	
Type	**J20**
CX 6x86 MX	Pins 1 & 2, 3 & 4 closed
AM K5	Pins 1 & 2, 3 & 4 closed
Pentium	Pins 1 & 2, 3 & 4 closed
CX M2	Pins 5 & 6, 7 & 8 closed
AM K6	`Pins 5 & 6, 7 & 8 closed
Pentium MMX	Pins 5 & 6, 7 & 8 closed

MULTIPLIER SELECTION (CX 6X86)			
Setting	**BF0**	**BF1**	**BF2**
2x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
3x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed

CPU MULTIPLIER SELECTION (CX M2)			
Setting	**BF0**	**BF1**	**BF2**
2x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3.5x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU MULTIPLIER SELECTION (AM K5)

Setting	BF0	BF1	BF2
1.5x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
1.5x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
1.75x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
2x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed

CPU MULTIPLIER SELECTION (AM K6)

Setting	BF0	BF1	BF2
2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3.5x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU MULTIPLIER SELECTION (PENTIUM)

Setting	BF0	BF1	BF2
1.5x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed

CPU MULTIPLIER SELECTION (PENTIUM MMX)

Setting	BF0	BF1	BF2
2x	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 1 & 2 closed
2.5x	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3x	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
3.5x	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU VOLTAGE SELECTION

Voltage	VID0	VID1	VID2	VID3

2.0V	Open	Open	Open	Open
2.1V	Closed	Open	Open	Open
2.2V	Open	Closed	Open	Open
2.5V	Closed	Open	Closed	Open
2.8V	Open	Open	Open	Closed
2.9V	Closed	Open	Open	Closed
3.0V	Open	Closed	Open	Closed
3.1V	Closed	Closed	Open	Closed
3.2V	Open	Open	Closed	Closed
3.3V	Closed	Open	Closed	Closed
3.5V	Closed	Closed	Closed	Closed