ENPC TECHNOLOGY CORPORATION

EP-PT11 (REV. 1.5)

Device Type	Mainboard
Processor	CX 686MX/CX M2/AM K5/AM K6/Pentium/Pentium MMX
Processor Speed	90/100/120/133/150/166/180/200/233MHz
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
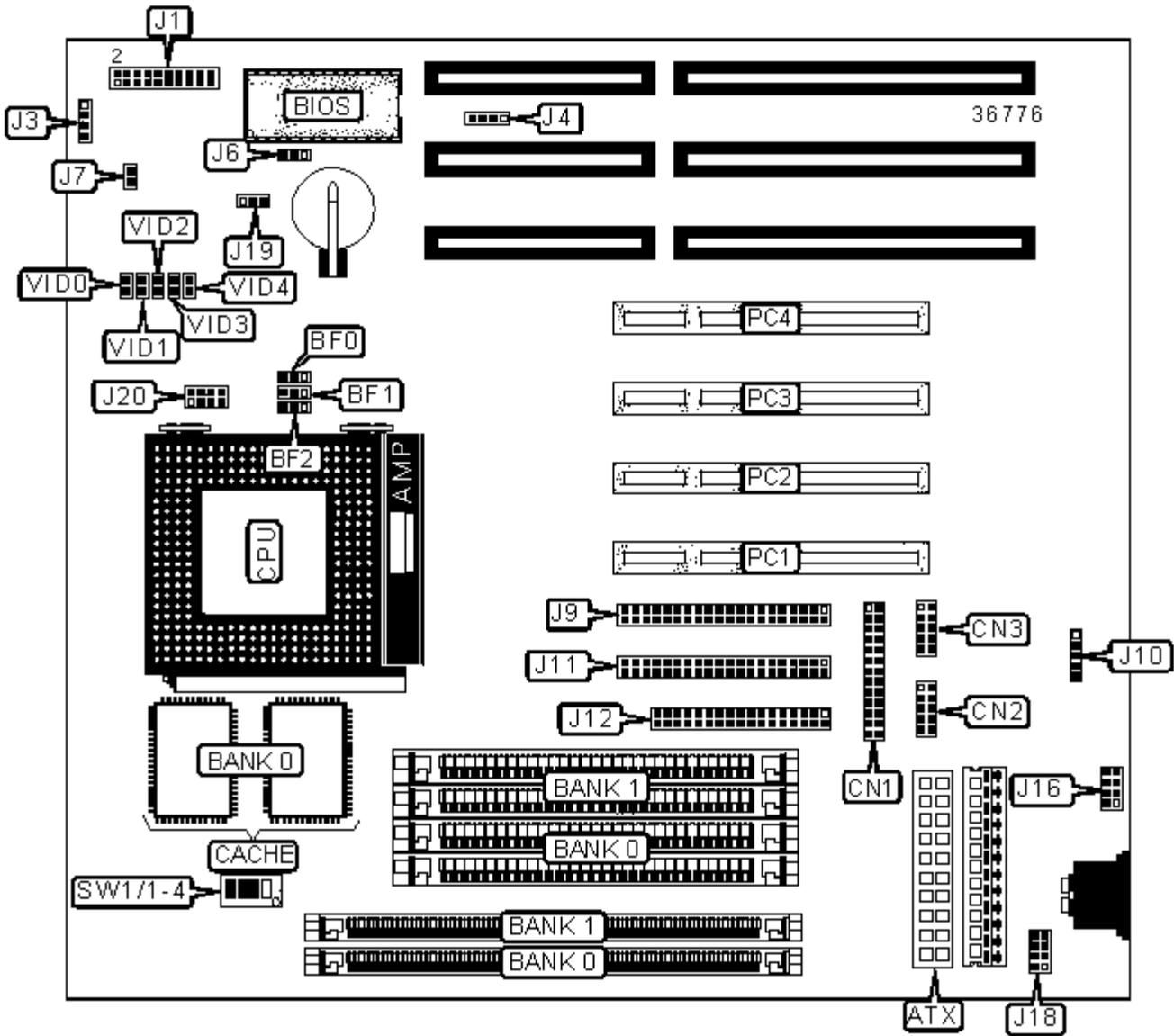
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
ATX power connector	ATX	IR connector (front)	J3

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
»	Factory configured - do not alter	SW1/4	Off

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M 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
72MB	(2) 8M x 36	(2) 1M 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
136MB	(2) 16M x 36	(2) 1M x 36
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
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
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) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
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 supports EDO & SDRAM memory.
Note: If using both SIMM and DIMM memory, only one bank of each may be filled simultaneously.

CLOCK SPEED SELECTION

	Speed	SW1/1	SW1/2	SW1/3
	55MHz	On	On	Off
	60MHz	On	Off	Off
»	66.6MHz	Off	Off	Off
	68.5MHz	Off	Off	On
	75MHz	Off	On	Off
	83.3MHz	On	On	On

CPU TYPE SELECTION

Type	J20
CX 6x86 MX	Pins 1 & 2, 3 & 4 closed
AD 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

CPU 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 (AMD 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**	**VID4**
1.3V	Open	Open	Open	Open	Closed
1.4V	Open	Closed	Open	Open	Closed
1.5V	Open	Open	Closed	Open	Closed
1.6V	Open	Closed	Closed	Open	Closed
1.7V	Open	Open	Open	Closed	Closed
1.8V	Open	Closed	Open	Closed	Closed
1.9V	Open	Open	Closed	Closed	Closed
2.0V	Open	Open	Open	Open	Open
2.1V	Closed	Open	Open	Open	Open
2.2V	Open	Closed	Open	Open	Open
2.3V	Closed	Closed	Open	Open	Open
2.4V	Open	Open	Closed	Open	Open
2.5V	Closed	Open	Closed	Open	Open
2.6V	Open	Closed	Closed	Open	Open
2.7V	Closed	Closed	Closed	Open	Open
2.8V	Open	Open	Open	Closed	Open

2.9V	Closed	Open	Open	Closed	Open
3.0V	Open	Closed	Open	Closed	Open
3.1V	Closed	Closed	Open	Closed	Open
3.2V	Open	Open	Closed	Closed	Open
3.3V	Closed	Open	Closed	Closed	Open
3.4V	Open	Closed	Closed	Closed	Open
3.5V	Closed	Closed	Closed	Closed	Open