NMC INTERNATIONAL

NMC 6BB

Device Type	Mainboard
Processor	Pentium II/Celeron
Processor Speed	233/266/300/333/350/400/450/500MHz
Chip Set	Intel 440BX
Maximum Onboard Memory	768MB (SDRAM supported)
Cache	128/512KB (located on the Pentium II CPU)
BIOS	Award
Dimensions	240mm x 220mm
I/O Options	16-bit ISA slots (2), 32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse interface, AT keyboard port, serial interfaces (2), IR connector, ATX power connector, AGP slot, Wake-on-LAN connector, SB-Link connector
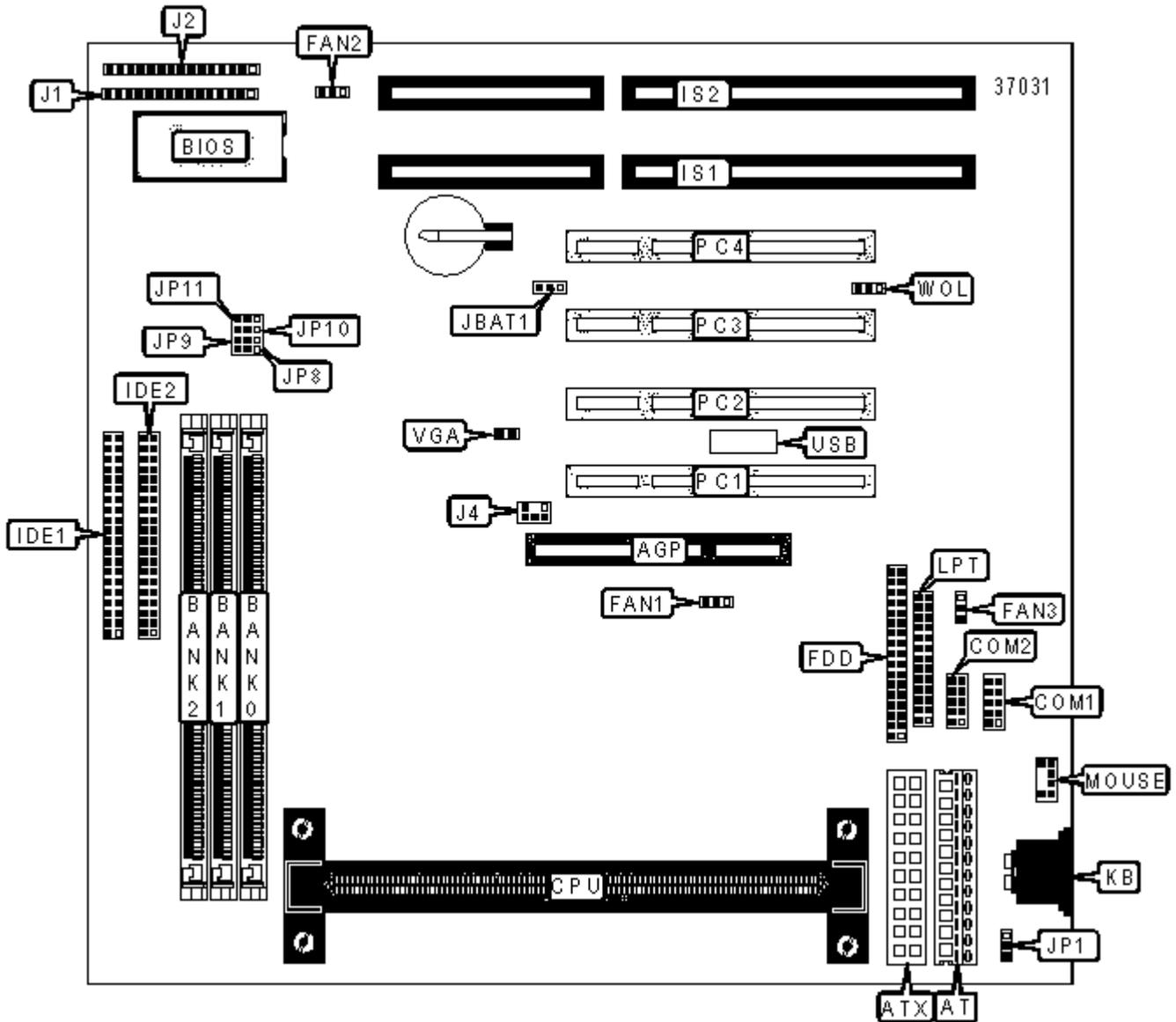
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**

AGP slot	AGP	Power switch	J1/Pins 12 & 13
AT power connector	AT	Green PC connector	J1/Pins 14 & 15
ATX power connector	ATX	Speaker	J2/Pins 1 - 4
Serial interface 1	COM1	Reset switch	J2/Pins 5 & 6
Serial interface 2	COM2	Power LED & keylock	J2/Pins 8 - 12
CPU fan power	FAN1	Turbo LED	J2/Pins 14 & 15
Chassis fan power	FAN2	SB-Link connector	J4
Power fan	FAN3	PS/2 mouse interface	MOUSE
Floppy drive interface	FDD	PS/2 keyboard port	KB
IDE interface 1	IDE1	Parallel interface	LPT
IDE interface 2	IDE2	32-bit PCI slots	PC1 - PC4
16-bit ISA slots	IS1 - IS2	USB interface	USB
IDE interface LED	J1/Pins 1 - 4	Wake-on-LAN connector	WOL
IR connector	J1/Pins 6 - 10		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	CMOS memory normal operation	JBAT1	Pins 1 & 2 closed
	CMOS memory clear	JBAT1	Pins 2 & 3 closed
»	Power on keyboard disabled	JP1	Pins 1 & 2 closed
	Power on keyboard enabled	JP1	Pins 2 & 3 closed
»	VGA card normal selected	VGA	Closed
	VGA card special selected	VGA	Open

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.

USB PORT SELECTION			
Function		**JP5**	**JP5**
»	Redirect USB port to AGP interface	Pins 2 & 3 closed	Pins 2 & 3 closed
	Redirect USB port to USB interface	Pins 1 & 2 closed	Pins 1 & 2 closed

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

CPU BUS SPEED SELECTION			
Clock speed		**JP3**	**JP4**
»	Autodetect	Pins 1 & 2 closed	Pins 2 & 3 closed
	66MHz	Pins 1 & 2 closed	Pins 1 & 2 closed
	100MHz	Pins 2 & 3 closed	Pins 1 & 2 closed

CPU SPEED SELECTION						
CPU speed	**Clock speed**	**Multiplier**	**JP8**	**JP9**	**JP10**	**JP11**
233MHz	66MHz	3.5x	2 & 3	Open	Open	2 & 3
266MHz	66MHz	4x	Open	2 & 3	2 & 3	2 & 3
300MHz	66MHz	4.5x	Open	2 & 3	Open	2 & 3
333MHz	66MHz	5x	Open	Open	2 & 3	2 & 3
350MHz	100MHz	3.5x	2 & 3	Open	Open	2 & 3
400MHz	100MHz	4x	Open	2 & 3	2 & 3	2 & 3

450MHz	100MHz	4.5x	Open	2 & 3	Open	2 & 3
500MHz	100MHz	5x	Open	Open	2 & 3	2 & 3

Note: Pins mentioned are in the closed position.