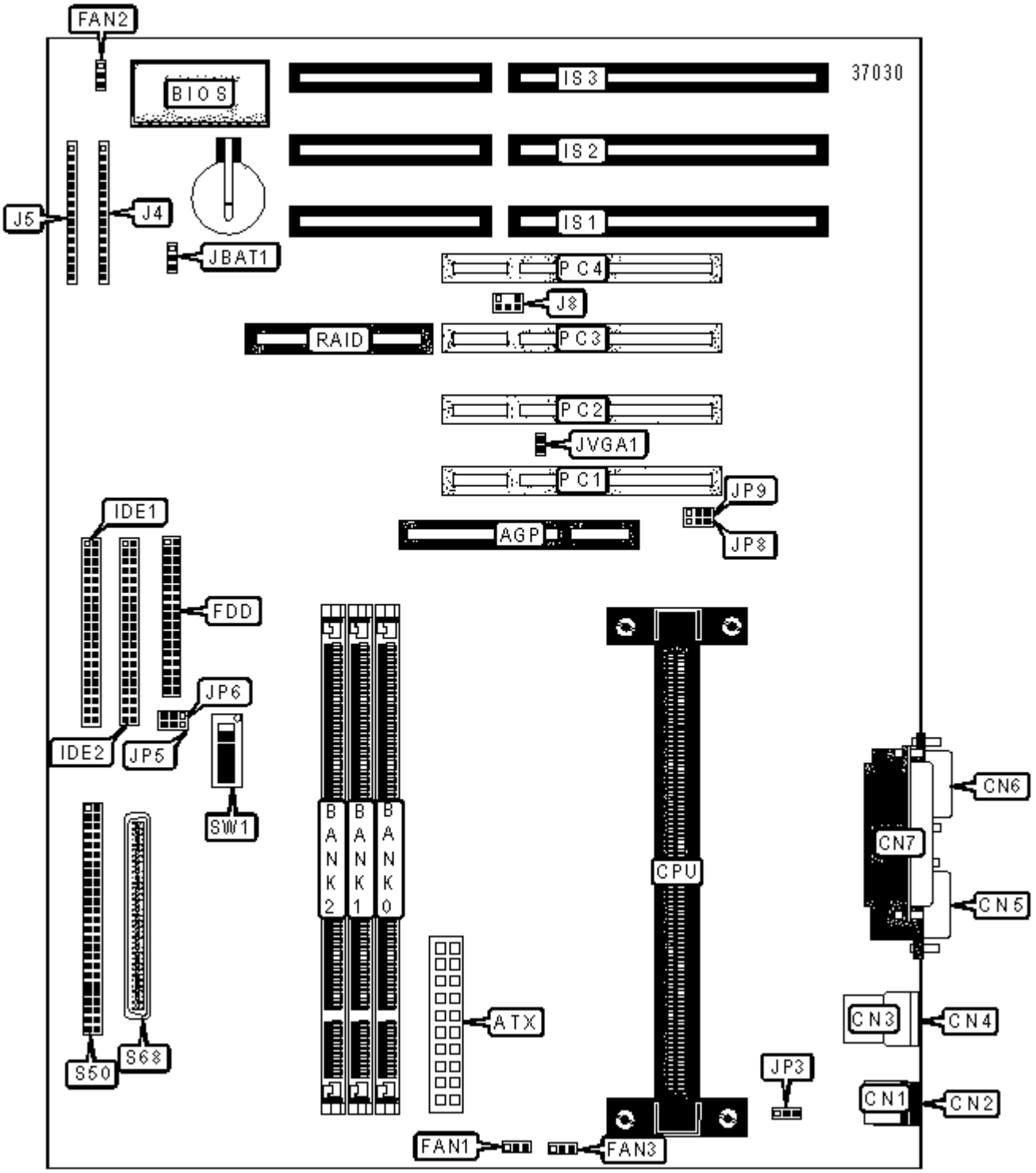
NMC INTERNATIONAL

NMC 6BBX

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266/300/333/350/400/450/500MHz
Chip Set	Intel 440BX
Maximum Onboard Memory	768MB (EDO & SDRAM supported)
Cache	256/512KB (located on the Pentium II CPU)
BIOS	Award
Dimensions	305mm x 220mm
I/O Options	16-bit ISA slots (3), 32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, USB ports (2), PS/2 mouse port, PS/2 keyboard port, serial ports (2), SCSI connector, Ultra Wide SCSI connector, IR connector, ATX power connector, AGP slot, RAID slot, USB Ports (2)



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	16-bit ISA slots	IS1 - IS3
ATX power connector	ATX	IDE interface LED	J1/Pins 1 - 4
PS/2 mouse port	CN1	IR connector	J1/Pins 6 - 10
PS/2 keyboard port	CN2	Power switch	J1/Pins 12 & 13

USB port 1	CN3	Green PC connector	J1/Pins 14 & 15
USB port 2	CN4	Speaker	J2/Pins 1 - 4
Serial port 1	CN5	Reset switch	J2/Pins 5 & 6
Serial port 2	CN6	Power LED & keylock	J2/Pins 8 - 12
Parallel port	CN7	Turbo LED	J2/Pins 14 & 15
CPU fan power	FAN1	SB-Link connector	J8
Chassis fan power	FAN2	32-bit PCI slots	PC1 - PC4
Power fan	FAN3	SCSI connector	S50
Floppy drive interface	FDD	Ultra Wide SCSI connector	S68
IDE interface 1	IDE1	RAID slot	RAID
IDE interface 2	IDE2		

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	JP3	Pins 1 & 2 closed
	Power on keyboard enabled	JP3	Pins 2 & 3 closed
»	VGA card Normal selected	JVGA1	Closed
	VGA card Special selected	JVGA1	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 EDO & SDRAM memory.			

CPU CLOCK SETTING			
Function		**JP5**	**JP6**
»	DIP SW1 selected	Pins 2 & 3 closed	Pins 2 & 3 closed
	BIOS setting selected	Pins 1 & 2 closed	Pins 1 & 2 closed

USB PORT SELECTION			
Function		**JP8**	**JP9**
»	Redirect USB port to USB connector	Pins 1 & 2 closed	Pins 1 & 2 closed
	Redirect USB port 1 to AGP connector	Pins 2 & 3 closed	Pins 2 & 3 closed

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

CPU SPEED SELECTION								
CPU speed	**Clock speed**	**Multiplier**	**SW1/1**	**SW1/2**	**SW1/3**	**SW1/4**	**SW1/5**	**SW1/6**
233MHz	66MHz	3.5x	On	Off	Off	On	Off	On
266MHz	66MHz	4x	Off	On	On	On	Off	On
300MHz	66MHz	4.5x	Off	On	Off	On	Off	On
333MHz	66MHz	5x	Off	Off	On	On	Off	On
350MHz	100MHz	3.5x	On	Off	Off	On	Off	On
400MHz	100MHz	4x	Off	On	On	On	Off	On
450MHz	100MHz	4.5x	Off	On	Off	On	Off	On
500MHz	100MHz	5x	Off	Off	On	On	Off	On