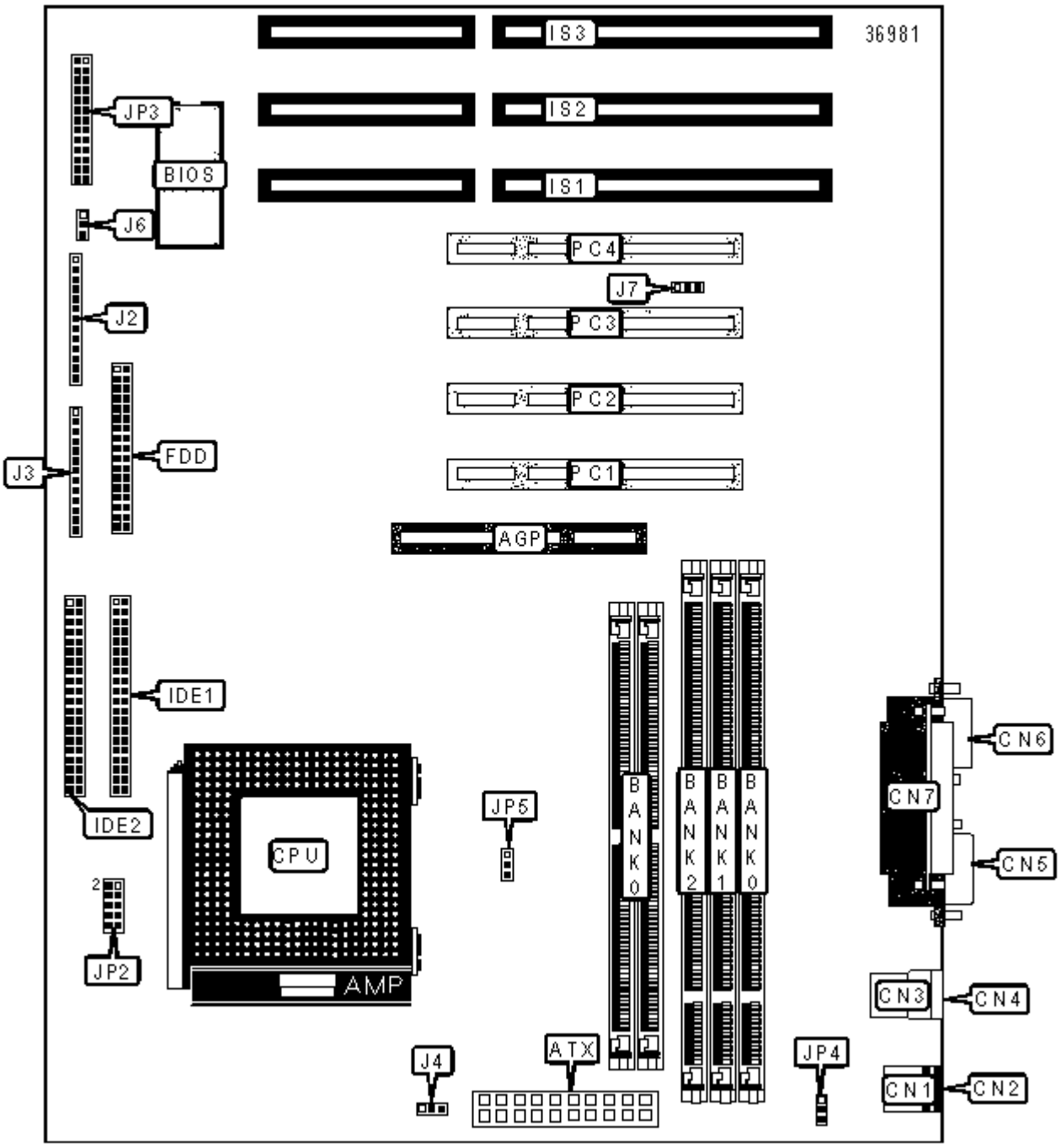
NMC INTERNATIONAL

NMC 5VMMX (ISA/PCI/AGP)

Device Type	Mainboard
Processor	CX 6X86L/CX 6X86MX/IBM 6X86L/IBM 6X86MX/AM K5/AM K6/IDT C6/Pentium/Pentium MMX
Processor Speed	133/150/166/180/200/225/233/240MHz
Chip Set	VIA
Maximum Onboard Memory	384MB (EDO & SDRAM supported)
Cache	1024KB
BIOS	Award
Dimensions	305mm x 230mm
I/O Options (backplane)	16-bit ISA slots (3), 32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), parallel port, PS/2 mouse port, PS/2 keyboard port, serial ports (2), IR connector, USB ports (2), ATX power connector, AGP slot, Wake-on-LAN connector



CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
AGP slot	AGP	16-bit ISA slots	IS1 - IS3
ATX power connector	ATX	Reset switch	J2/Pins 1 & 2
PS/2 mouse port	CN1	Speaker	J2/Pins 4 - 7
PS/2 keyboard port	CN2	Power LED & Keylock	J2/Pins 9 - 13
USB port 1	CN3	IR connector	J3/Pins 1 - 5
USB port 2	CN4	IDE interface LED	J3/Pins 7 & 8

Serial port 1	CN5	Turbo LED	J3/Pins 9 & 10
Serial port 2	CN6	Power switch	J3/Pins 12 & 13
Parallel port	CN7	CPU fan power	J4
Floppy drive interface	FDD	Chassis fan power	J6
IDE interface 1	IDE1	Wake-on-LAN connector	J7
IDE interface 2	IDE2	32-bit PCI slots	PC1 - PC4

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Power on Keyboard disabled	JP4	Pins 2 & 3 closed
	Power on Keyboard enabled	JP4	Pins 1 & 2 closed
»	SRAM clock at 66MHz	JP5	Pins 1 & 2 closed
	SRAM clock at CPU bus clock speed	JP5	Pins 2 & 3 closed

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) 4M x 36	(2) 4M x 36
Note: Board supports EDO & SDRAM memory. Note: SIMM bank might be used in place of Bank 2 DIMM.		

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

Note: Board supports EDO & SDRAM memory.

CPU SPEED SELECTION (CX 6X86L)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
166MHz	66MHz	2x	Pins 1 & 2, 19 & 20 closed
200MHz	75MHz	2x	Pins 1 & 2, 21 & 22 closed

CPU SPEED SELECTION (CX 6X86MX)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
166MHz	60MHz	2.5x	Pins 3 & 4, 17 & 18 closed
166MHz	66MHz	2x	Pins 1 & 2, 19 & 20 closed
200MHz	66MHz	2.5x	Pins 3 & 4, 19 & 20 closed
200MHz	75MHz	2x	Pins 1 & 2, 21 & 22 closed
233MHz	66MHz	3x	Pins 5 & 6, 19 & 20 closed
233MHz	75MHz	2.5x	Pins 3 & 4, 21 & 22 closed
266MHz	66MHz	3.5x	Pins 7 & 8, 19 & 20 closed
266MHz	75MHz	3x	Pins 5 & 6, 21 & 22 closed
266MHz	83MHz	2.5x	Pins 3 & 4, 23 & 24 closed

CPU SPEED SELECTION (IBM 6X86L)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
166MHz	66MHz	2x	Pins 1 & 2, 19 & 20 closed
200MHz	75MHz	2x	Pins 1 & 2, 21 & 22 closed

CPU SPEED SELECTION (IBM 6X86MX)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
166MHz	60MHz	2.5x	Pins 3 & 4, 17 & 18 closed
166MHz	66MHz	2x	Pins 1 & 2, 19 & 20 closed
200MHz	66MHz	2.5x	Pins 3 & 4, 19 & 20 closed

200MHz	75MHz	2x	Pins 1 & 2, 21 & 22 closed
233MHz	66MHz	3x	Pins 5 & 6, 19 & 20 closed
233MHz	75MHz	2.5x	Pins 3 & 4, 21 & 22 closed
266MHz	66MHz	3.5x	Pins 7 & 8, 19 & 20 closed
266MHz	75MHz	3x	Pins 5 & 6, 21 & 22 closed
266MHz	83MHz	2.5x	Pins 3 & 4, 23 & 24 closed

CPU SPEED SELECTION (AM K5)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
133MHz	66MHz	2x	Pins 1 & 2, 19 & 20 closed
150MHz	60MHz	2.5x	Pins 3 & 4, 17 & 18 closed
166MHz	66MHz	2.5x	Pins 3 & 4, 19 & 20 closed

CPU SPEED SELECTION (AM K6)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
166MHz	66MHz	2.5x	Pins 3 & 4, 19 & 20 closed
200MHz	66MHz	3x	Pins 5 & 6, 19 & 20 closed
233MHz	66MHz	3.5x	Pins 7 & 8, 19 & 20 closed

CPU SPEED SELECTION (IDT C6)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
200MHz	66MHz	3x	Pins 5 & 6, 19 & 20 closed
225MHz	75MHz	3x	Pins 5 & 6, 21 & 22 closed
240MHz	60MHz	4x	Pins 9 & 10, 17 & 18 closed

CPU SPEED SELECTION (PENTIUM)

CPU speed	Clock speed	Multiplier	JP3
133MHz	66MHz	2x	Pins 1 & 2, 19 & 20 closed
150MHz	60MHz	2.5x	Pins 3 & 4, 17 & 18 closed
166MHz	66MHz	2.5x	Pins 3 & 4, 19 & 20 closed
180MHz	60MHz	3x	Pins 5 & 6, 17 & 18 closed
200MHz	66MHz	3x	Pins 5 & 6, 19 & 20 closed

CPU SPEED SELECTION (PENTIUM MMX)			
CPU speed	**Clock speed**	**Multiplier**	**JP3**
166MHz	66MHz	2.5x	Pins 3 & 4, 19 & 20 closed
200MHz	66MHz	3x	Pins 5 & 6, 19 & 20 closed
233MHz	66MHz	3.5x	Pins 7 & 8, 19 & 20 closed

CPU VOLTAGE SELECTION	
Voltage	**JP2**
2.1v - Reserved	Pins 1 & 2 closed
2.2v	Pins 3 & 4 closed
2.8v	Pins 5 & 6 closed
2.9v	Pins 7 & 8 closed
3.2v	Pins 9 & 10 closed