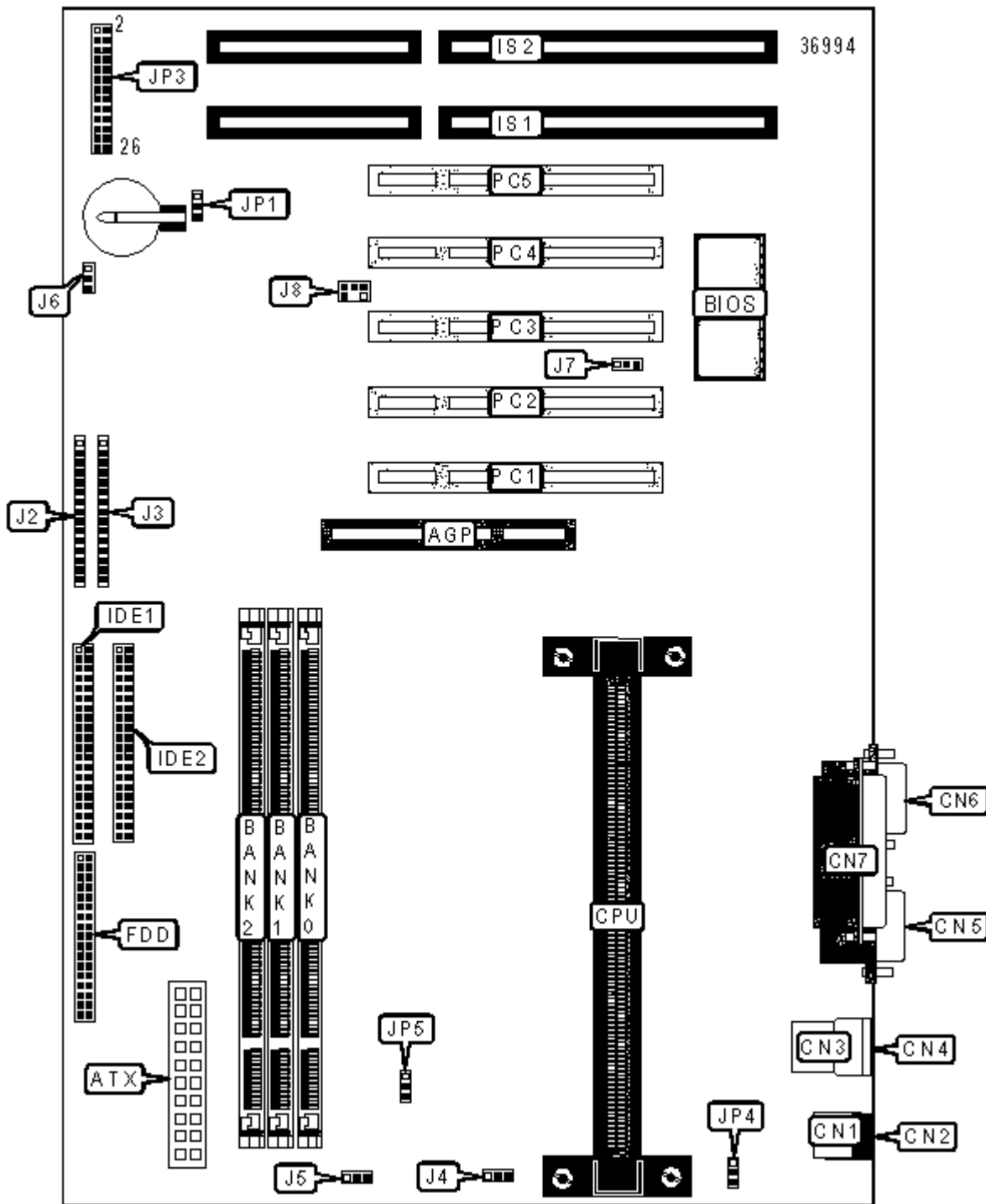


NMC INTERNATIONAL

NMC 6VAX

| | |
|-------------------------------|--|
| Device Type | Mainboard |
| Processor | Pentium II |
| Processor Speed | 200/233/266/300/333/350/366/400/450MHz |
| Chip Set | VIA |
| Maximum Onboard Memory | 384MB (EDO & SDRAM supported) |
| Cache | 256/512KB (located on the Pentium II CPU) |
| BIOS | Award |
| Dimensions | Unidentified |
| I/O Options | 16-bit ISA slots (2), 32-bit PCI slots (5), floppy drive interface, IDE interfaces (2), parallel port, USB ports (2), PS/2 mouse port, PS/2 keyboard port, serial ports (2), IR connector, ATX power connector, AGP slot, Wake-on-LAN connector, SB-Link connector |



CONNECTIONS

| Purpose | Location | Purpose | Location |
|---------------------|----------|---------------------|-----------------|
| AGP slot | AGP | Power LED & Keylock | J2/Pins 1 - 5 |
| ATX power connector | ATX | Speaker | J2/Pins 7 - 10 |
| PS/2 mouse port | CN1 | Reset switch | J2/Pins 12 & 13 |
| PS/2 keyboard port | CN2 | IR connector | J3/Pins 1 - 5 |
| USB port 1 | CN3 | IDE connector LED | J3/Pins 7 & 8 |

| | | | |
|------------------------|-----------|-----------------------|-----------------|
| USB port 2 | CN4 | Turbo LED | J3/Pins 9 & 10 |
| Serial port 1 | CN5 | Power switch | J3/Pins 12 & 13 |
| Serial port 2 | CN6 | CPU fan power | J4 |
| Parallel port | CN7 | Power fan | J5 |
| Floppy drive interface | FDD | Chassis fan power | J6 |
| IDE interface 1 | IDE1 | Wake-on-LAN connector | J7 |
| IDE interface 2 | IDE2 | SB-Link connector | J8 |
| 16-bit ISA slots | IS1 - IS2 | 32-bit PCI slots | PC1 - PC5 |

USER CONFIGURABLE SETTINGS

| Function | | Label | Position |
|----------|------------------------------|-------|-------------------|
| » | CMOS memory normal operation | JP1 | Pins 1 & 2 closed |
| | CMOS memory clear | JP1 | Pins 2 & 3 closed |
| » | Power on Keyboard disabled | JP4 | Pins 1 & 2 closed |
| | Power on Keyboard enabled | JP4 | Pins 2 & 3 closed |
| » | SDRAM CLOCK at CPU speed | JP5 | Pins 1 & 2 closed |
| | SDRAM CLOCK at AGP speed | JP5 | Pins 2 & 3 closed |

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) 16M x 64 | (1) 8M x 64 | (1) 8M x 64 |
| *384MB | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 |

Note: Board supports EDO & SDRAM memory. Maximum SDRAM is 192MB. Maximum EDO is 384MB.
*: Memory configurations require EDO memory.

CACHE CONFIGURATION

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

CPU SPEED SELECTION (PENTIUM)

| CPU speed | Clock speed | Multiplier | JP3 |
|-----------|-------------|------------|----------------------------|
| 200MHz | 66MHz | 3x | Pins 1 & 2, 15 & 16 closed |
| 233MHz | 66MHz | 3.5x | Pins 3 & 4, 15 & 16 closed |
| 266MHz | 66MHz | 4x | Pins 5 & 6, 15 & 16 closed |

| | | | |
|--------|--------|------|-----------------------------|
| 300MHz | 66MHz | 4.5x | Pins 7 & 8, 15 & 16 closed |
| 300MHz | 100MHz | 3x | Pins 1 & 2, 17 & 18 closed |
| 333MHz | 66MHz | 5x | Pins 9 & 10, 15 & 16 closed |
| 350MHz | 100MHz | 3.5x | Pins 3 & 4, 17 & 18 closed |
| 400MHz | 100MHz | 4x | Pins 5 & 6, 17 & 18 closed |
| 450MHz | 100MHz | 4.5x | Pins 7 & 8, 17 & 18 closed |
| 500MHz | 100MHz | 5x | Pins 9 & 10, 17 & 18 closed |