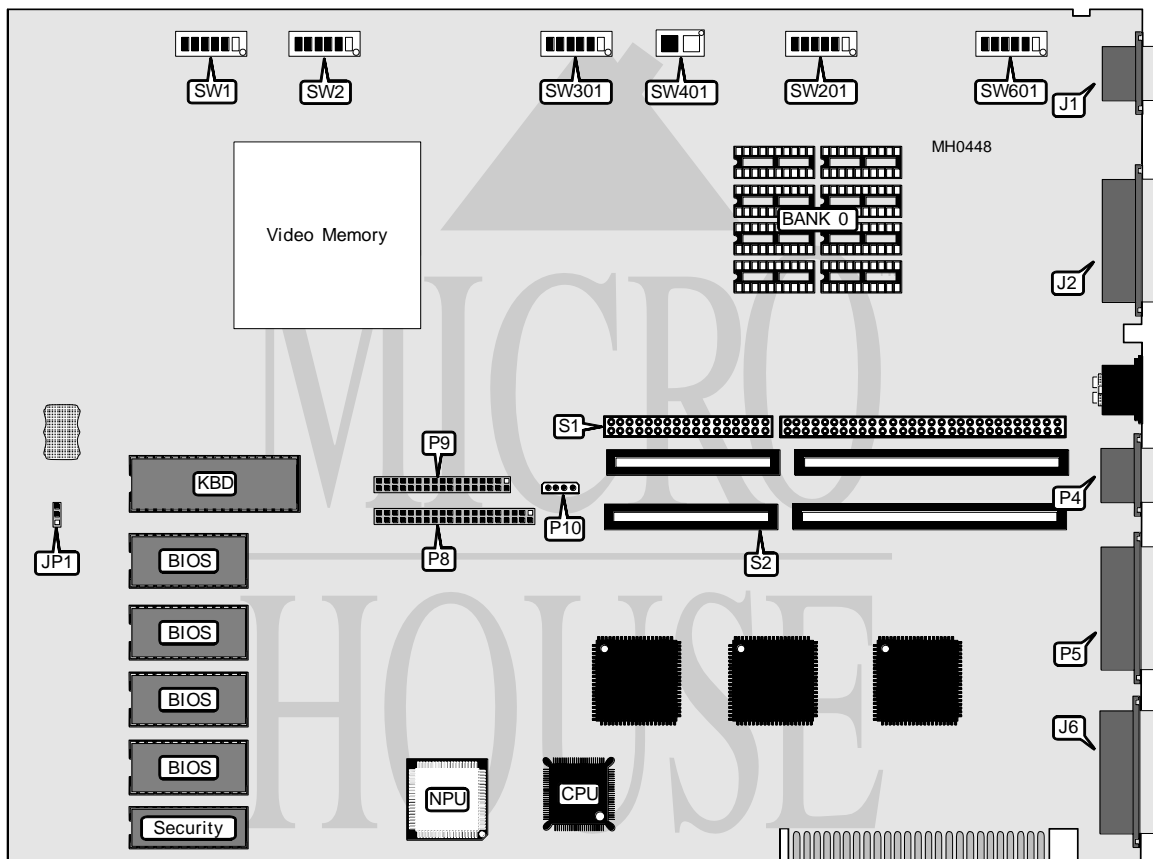


NCR CORPORATION

CLASS 3304

| | |
|--------------------------|---|
| Processor | 80386SX |
| Speed | 16/20MHz |
| Chip Set | Unidentified |
| Max. Onboard DRAM | 1MB |
| BIOS | Unidentified |
| Cache | None |
| Dimensions | 353mm x 265mm |
| I/O Options | Proprietary external memory card, VGA port, parallel port, serial ports (2), floppy drive interfaces (2), IDE interface, proprietary AT bus |
| NPU Options | 80387SX |



CONNECTIONS

| Purpose | Location | Purpose | Location |
|---------------------------------|----------|----------------------------------|----------|
| VGA port | J1 | IDE interface | P8 |
| External floppy drive interface | J2 | Internal floppy drive interface | P9 |
| Parallel port | J6 | IDE/floppy drive power | P10 |
| Serial port (9 pin) | P4 | Proprietary external memory port | S1 |
| Serial port (25 pin) | P5 | Proprietary AT bus slot | S2 |

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NCR CORPORATION

CLASS 3304

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| USER CONFIGURABLE SETTINGS | | |
|---|---------------|-------------------|
| Function | Jumper/Switch | Position |
| í CMOS memory normal operation | JP1 | pins 1 & 2 closed |
| CMOS memory clear | JP1 | pins 2 & 3 closed |
| í Bus speed select slow | SW1/1 | Off |
| Bus speed select fast | SW1/1 | On |
| í Pipeline mode disabled | SW1/2 | Off |
| Pipeline mode enabled | SW1/2 | On |
| í Memory 0-512KB enabled | SW1/3 | Off |
| Memory 0-256KB enabled, 256-512KB disabled | SW1/3 | On |
| í Memory 512-1024KB enabled | SW1/4 | Off |
| Memory 512-1024KB disabled | SW1/4 | On |
| í SMEM - Command in intern cycles disabled | SW1/5 | On |
| SMEM - Command in intern cycles enabled | SW1/5 | Off |
| í CPU speed select automatic | SW1/6 | Off |
| CPU speed select 8MHz | SW1/6 | On |
| í Monitor type select color | SW2/1 | On |
| Monitor type select monochrome | SW2/1 | Off |
| í Power on speed select high | SW2/2 | On |
| Power on speed select low | SW2/2 | Off |
| í Factory configured - do not alter | SW201/1 | Off |
| í Factory configured - do not alter | SW201/2 | Off |
| í BIOS type select AT | SW201/3 | Off |
| BIOS type select PS/2 | SW201/3 | On |
| í Monitor type select standard display | SW201/4 | Off |
| Monitor type select multisync display | SW201/4 | On |
| í Monitor type select VGA enabled | SW201/5 | On |
| Monitor type select VGA disabled | SW201/5 | Off |
| í Standard interrupt handling | SW201/6 | Off |
| Special application interrupt | SW201/6 | On |
| í Floppy drive interface enabled | SW301/1 | On |
| Floppy drive interface disabled | SW301/1 | Off |
| í IDE drive installed | SW301/2 | Off |
| IDE drive not installed | SW301/2 | On |
| í AT bus IDE interface pin 34 select -PDIAG | SW301/3 | Off |
| AT bus IDE interface pin 34 select GND | SW301/3 | On |
| í IDE interface enabled | SW301/4 | Off |
| IDE interface disabled | SW301/4 | On |
| í Factory configured - do not alter | SW301/5 | Off |
| í CMOS memory normal operation | SW301/6 | On |
| CMOS memory clear | SW301/6 | Off |

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NCR CORPORATION

CLASS 3304

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| USER CONFIGURABLE SETTINGS (CON'T) | | |
|--|---------|-----|
| í Parallel port enabled | SW601/1 | Off |
| Parallel port disabled | SW601/1 | On |
| í Parallel port address select 378 - 37Fh | SW601/2 | Off |
| Parallel port address select 278 - 27Fh | SW601/2 | On |
| í Serial port (P5) enabled | SW601/3 | Off |
| Serial port (P5) disabled | SW601/3 | On |
| í Serial port (P4) enabled | SW601/4 | Off |
| Serial port (P4) disabled | SW601/4 | On |
| í Serial port (P5) address select 3F8 - 3FFh | SW601/5 | Off |
| Serial port (P4) address select 3F8 - 3FFh | SW601/5 | On |
| í Factory configured - do not alter | SW601/6 | Off |
| Notes: On main boards not having a JP1, CMOS memory functions are controlled by SW301/switch 6. Chipset & CPU locations unverified. | | |

| DRAM CONFIGURATION | |
|---|-----------|
| Size | Bank 0 |
| 1MB | (8) 44256 |
| Note: Memory size and location is unidentified. | |

| DRAM MAPPING CONFIGURATION | | | | | |
|----------------------------|------------------|-------|-------|-------|-------|
| Ext memory | Mapping area | SW2/3 | SW2/4 | SW2/5 | SW2/6 |
| 0MB | 100000 - 160000h | Off | On | On | On |
| 1MB | 200000 - 260000h | On | Off | On | On |
| 2MB | 300000 - 360000h | Off | Off | On | On |
| 3MB | 400000 - 460000h | On | On | Off | On |
| 4MB | 500000 - 560000h | Off | On | Off | On |
| 5MB | 600000 - 660000h | On | Off | Off | On |
| 6MB | 700000 - 760000h | Off | Off | Off | On |
| 7MB | 800000 - 860000h | On | On | On | Off |
| 8MB | 900000 - 960000h | Off | On | On | Off |
| 9MB | A00000 - A60000h | On | Off | On | Off |
| 10MB | B00000 - B60000h | Off | Off | On | Off |
| 11MB | C00000 - C60000h | On | On | Off | Off |
| 12MB | D00000 - D60000h | Off | On | Off | Off |
| 13MB | E00000 - E60000h | On | Off | Off | Off |
| 14MB | F00000 - F60000h | Off | Off | Off | Off |

| DRIVE CONFIGURATION | | |
|---|---------|---------|
| Type | SW401/1 | SW401/2 |
| 1 internal; drive A or 2 internal; drive A in lower slot/drive B in upper slot or 1 internal, 1 external; internal drive A/external drive B | Off | Off |
| 1 external; drive A or 2 internal; drive A in upper slot/drive B in lower slot or 1 internal, 1 external; internal drive B/external drive A | On | On |