# HYUNDAI ELECTRONICS, INC.
# S U P E R   4 8 6 / 3 3 I

| | |
|---|---|
| **Processor** | 80486DX |
| **Processor Speed** | 33MHz |
| **Chip Set** | VLSI |
| **Max. Onboard DRAM** | 8MB |
| **Cache** | 64/256KB |
| **BIOS** | Phoenix |
| **Dimensions** | 350mm x 304mm |
| **I/O Options** | 32-bit external memory card slot |
| **NPU Options** | 4167 |
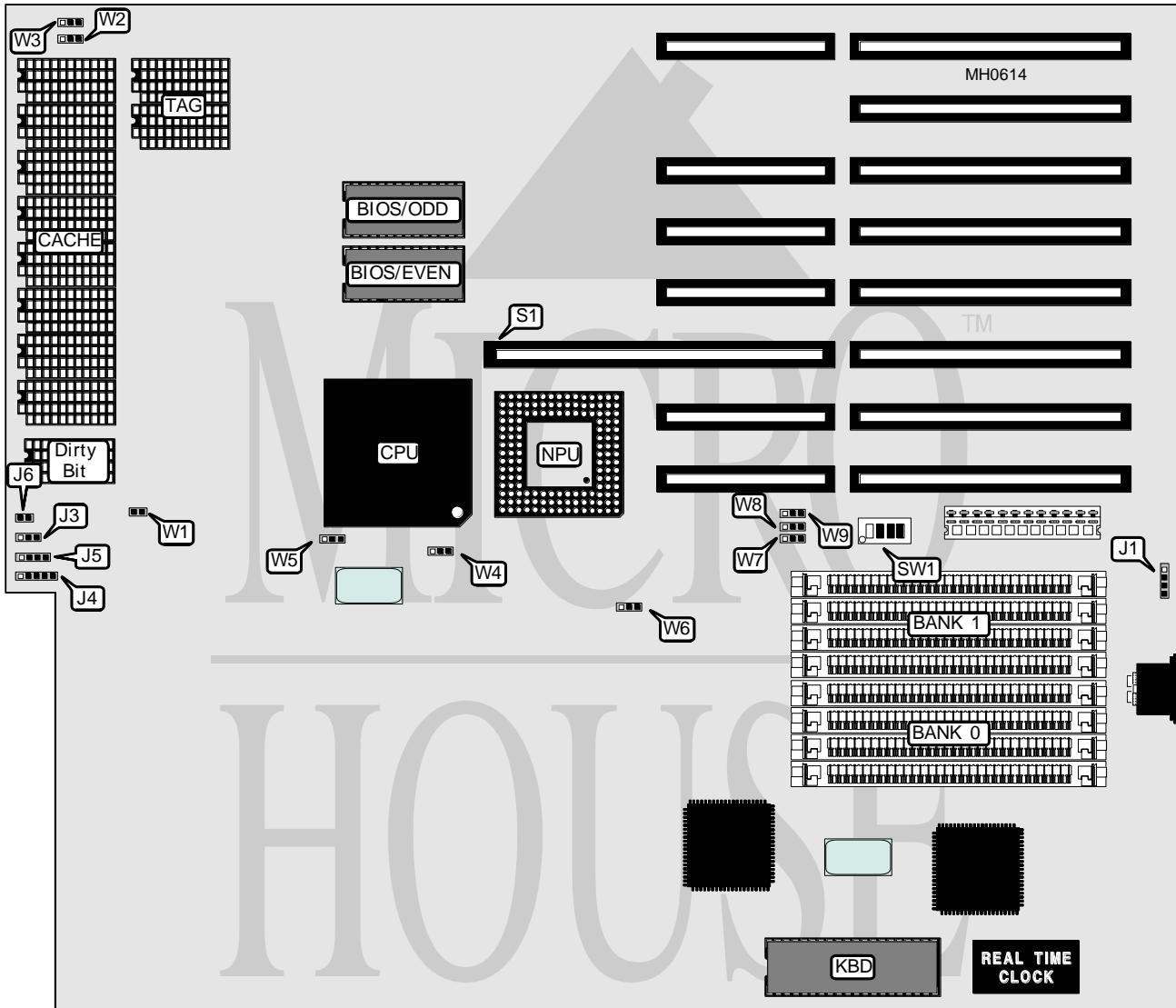
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| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| External battery | J1 | Speaker | J5 |
| Keylock | J3 | Reset switch | J6 |
| Power LED | J4 | 32-bit external memory card | S1 |

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper | Position |
| í  Factory configured - do not alter | W1 | N/A |
| í  Factory configured - do not alter | W4 | pins 1 & 2 closed |
| í  Factory configured - do not alter | W5 | pins 2 & 3 closed |
| í  CPU speed switchable from keyboard | W6 | pins 2 & 3 closed |
|    CPU speed select slow | W6 | pins 1 & 2 closed |
|    CPU speed select fast | W6 | Open |
| í  Monitor type select monochrome | W7 | Closed |
|    Monitor type select color | W7 | Open |
| í  Factory configured - do not alter | W8 | pins 1 & 2 closed |
| í  Factory configured - do not alter | W9 | pins 1 & 2 closed |
| Note:    Hyundai warns that W6 should not be altered from the factory setting of pins 2 & 3 closed. | | |

| DRAM CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
| 4MB | (4) 1M x 9 | NONE | NONE | NONE |
| 8MB | (4) 1M x 9 | (4) 1M x 9 | NONE | NONE |
| 12MB | (4) 1M x 9 | (4) 1M x 9 | (4) 1M x 9 | NONE |
| 16MB | (4) 1M x 9 | (4) 1M x 9 | (4) 1M x 9 | (4) 1M x 9 |
| Note:    Banks 2 & 3 are used when a proprietary external memory card is installed. | | | | |

| DRAM SWITCH CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | SW1/1 | SW1/2 | SW1/3 | SW1/4 |
| 4MB | On | On | On | On |
| 8MB | Off | On | On | Off |
| 12MB | Off | On | Off | On |
| 16MB | Off | On | Off | Off |

| CACHE CONFIGURATION | | | |
|---|---|---|---|
| Size | Bank 0 | TAG | Dirty Bit |
| 64KB | (8) 16K x 4 | (2) 16K x 4 | (1) 16K x 1 |
| 256KB | (8) 64K x 4 | (2) 64K x 4 | (1) 64K x 1 |

| CACHE JUMPER CONFIGURATION | | |
|---|---|---|
| Size | W2 | W3 |
| 64KB | pins 1 & 2 closed | pins 1 & 2 closed |
| 256KB | pins 2 & 3 closed | pins 2 & 3 closed |