# SIEMENS NIXDORF INFORMATIONSSYSTEME AG
# SYSTEM BOARD D963

| | |
|---|---|
| **Processor** | Pentium |
| **Processor Speed** | 100/133/166/200MHz |
| **Chip Set** | Intel |
| **Video Chip Set** | Cirrus Logic |
| **Maximum Onboard Memory** | 512MB |
| **Maximum Video Memory** | 1MB |
| **Cache** | 512KB |
| **BIOS** | Phoenix |
| **Dimensions** | 355mm x 304mm |
| **I/O Options** | 32-bit PCI slots (4), floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), VGA port, cache slot |
| **NPU Options** | None |
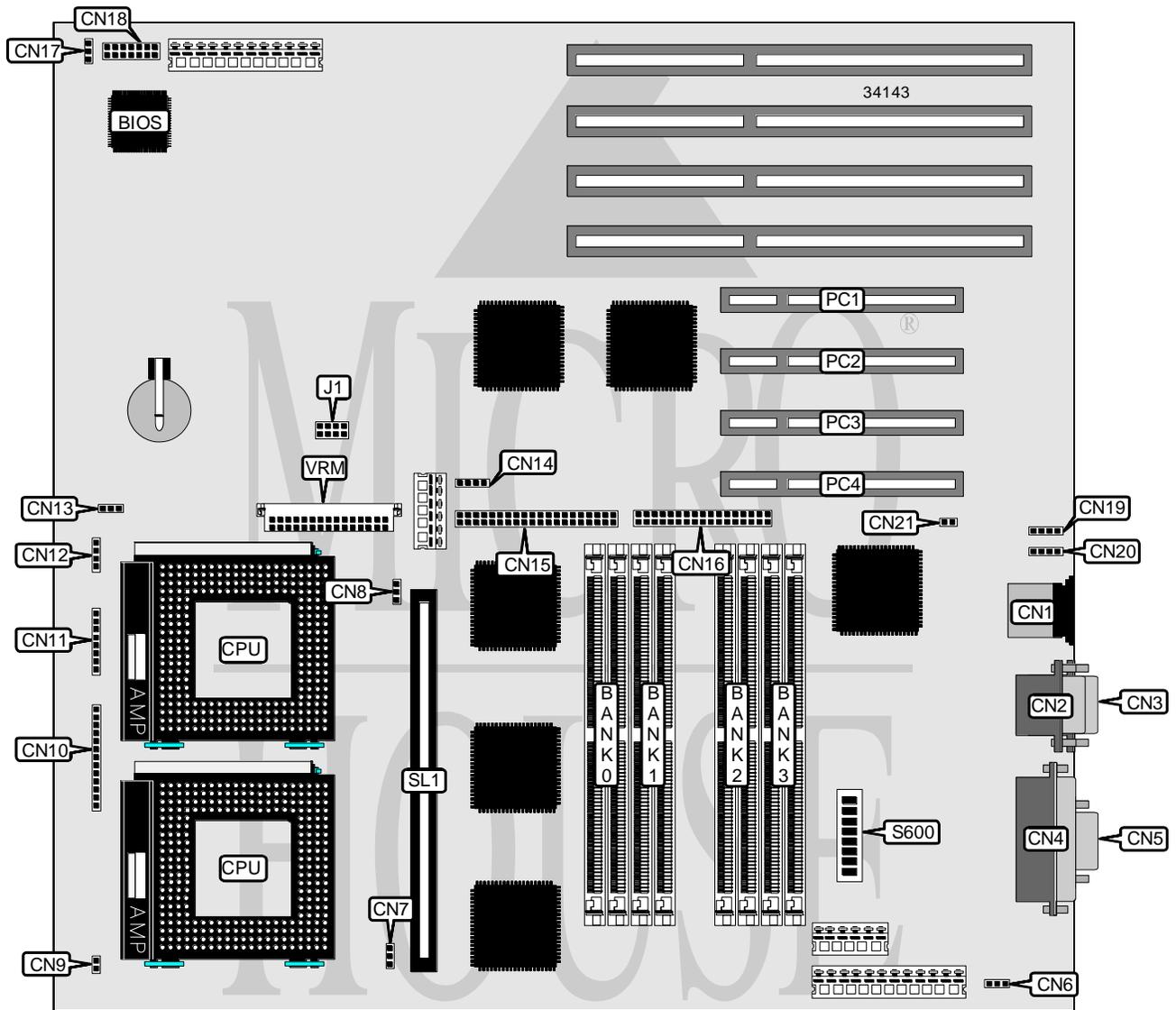
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| CONNECTIONS | | | |
|---|---|---|---|
| **Purpose** | **Location** | **Purpose** | **Location** |
| PS/2 mouse port | CN1 | Chassis fan power 1 | CN13 |
| Serial port | CN2 | SCSI interface LED | CN14 |
| Serial port | CN3 | IDE interface | CN15 |
| Parallel port | CN4 | Floppy drive interface | CN16 |
| VGA port | CN5 | Chassis fan power 2 | CN17 |
| Soft off power supply | CN6 | Auxiliary voltage for Primergy | CN18 |
| CPU2 temperate sensor | CN7 | CAN bus controller 2 | CN19 |
| CPU1 temperate sensor | CN8 | CAN bus controller 1 | CN20 |
| On/off switch | CN9 | Remote on connector | CN21 |
| Front panel connector | CN10 | 32-bit PCI slots | PC1 – PC4 |
| Front panel connector | CN11 | Cache slot | SL1 |
| Speaker | CN12 | VRM connector | VRM |

| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| **Function** | **Label** | **Position** |
| í  Factory configured - do not alter | J1 | Unidentified |
| í  Flash BIOS normal operation | S600/1 | Off |
|   Flash BIOS recovery mode | S600/1 | On |
| í  Factory configured - do not alter | S600/2 | Off |
| í  Flash BIOS write protect disabled | S600/3 | Off |
|   Flash BIOS write protect enabled | S600/3 | On |
| í  Floppy drive write protect disabled | S600/4 | Off |
|   Floppy drive write protect enabled | S600/4 | On |

| DRAM CONFIGURATION | | | | |
|---|---|---|---|---|
| **Size** | **Bank 0** | **Bank 1** | **Bank 2** | **Bank 3** |
| 8MB | (2) 1M x 36 | None | None | None |
| 16MB | (2) 1M x 36 | (2) 1M x 36 | None | None |
| 16MB | (2) 2M x 36 | None | None | None |
| 24MB | (2) 1M x 36 | (2) 1M x 36 | (2) 1M x 36 | None |
| 32MB | (2) 1M x 36 | (2) 1M x 36 | (2) 1M x 36 | (2) 1M x 36 |
| 32MB | (2) 2M x 36 | (2) 2M x 36 | None | None |
| 32MB | (2) 4M x 36 | None | None | None |
| 48MB | (2) 2M x 36 | (2) 2M x 36 | (2) 2M x 36 | None |
| 64MB | (2) 2M x 36 | (2) 2M x 36 | (2) 2M x 36 | (2) 2M x 36 |
| 64MB | (2) 4M x 36 | (2) 4M x 36 | None | None |
| 64MB | (2) 8M x 36 | None | None | None |
| 96MB | (2) 4M x 36 | (2) 4M x 36 | (2) 4M x 36 | None |
| 128MB | (2) 4M x 36 | (2) 4M x 36 | (2) 4M x 36 | (2) 4M x 36 |
| 128MB | (2) 8M x 36 | (2) 8M x 36 | None | None |
| 128MB | (2) 16M x 36 | None | None | None |

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# S Y S T E M   B O A R D   D 9 6 3

| DRAM CONFIGURATION (CON'T) | | | | |
|---|---|---|---|---|
| **Size** | **Bank 0** | **Bank 1** | **Bank 2** | **Bank 3** |
| 192MB | (2) 8M x 36 | (2) 8M x 36 | (2) 8M x 36 | None |
| 256MB | (2) 8M x 36 | (2) 8M x 36 | (2) 8M x 36 | (2) 8M x 36 |
| 256MB | (2) 16M x 36 | (2) 16M x 36 | None | None |
| 384MB | (2) 16M x 36 | (2) 16M x 36 | (2) 16M x 36 | None |
| 512MB | (2) 16M x 36 | (2) 16M x 36 | (2) 16M x 36 | (2) 16M x 36 |

| CACHE CONFIGURATION | |
|---|---|
| **Size** | **SL1** |
| 512KB | 512KB module installed |

| VIDEO MEMORY CONFIGURATION |
|---|
| Note:  1MB video memory isfactory installed and is not configurable.  The location is unidentifed. |

| CPU SPEED SELECTION | | | | | | |
|---|---|---|---|---|---|---|
| **CPU speed** | **Clock speed** | **Multiplier** | **S600/5** | **S600/6** | **S600/7** | **S600/8** |
| 100MHz | 66MHz | 1.5x | Off | On | Off | Off |
| 133MHz | 66MHz | 2x | Off | On | On | Off |
| 166MHz | 66MHz | 2.5x | Off | On | On | On |
| 200MHz | 66MHz | 3x | Off | On | Off | On |