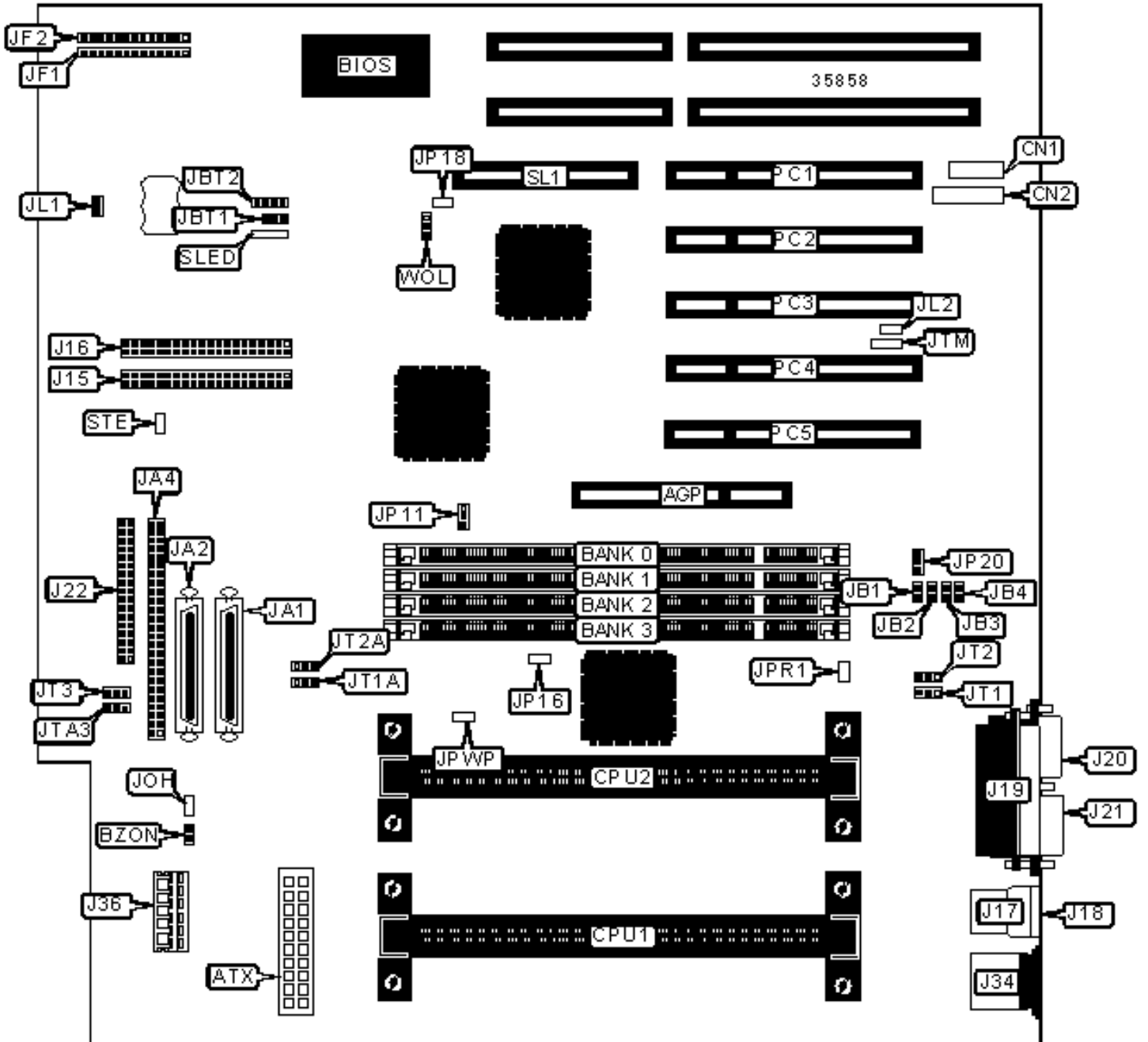


# SUPER MICRO

## S2DGU

### Configuration



## CONNECTIONS

| Purpose                   | Location | Purpose                     | Location         |
|---------------------------|----------|-----------------------------|------------------|
| AGP slot                  | AGP      | IDE interface LED           | JF1/pins 1 – 4   |
| ATX power connector       | ATX      | Power LED & keylock         | JF1/pins 5 – 9   |
| SB-link connector         | CN1      | Speaker                     | JF1/pins 10 - 13 |
| USB connector             | CN2      | IR connector                | JF2/pins 1 – 8   |
| IDE interface 1           | J15      | Soft off power supply       | JF2/pins 9 & 10  |
| IDE interface 2           | J16      | Reset switch                | JF2/pins 12 & 13 |
| USB connector 1           | J17      | Chassis intrusion connector | JL1              |
| USB connector 2           | J18      | Overheat LED                | JOH              |
| Parallel port             | J19      | Chassis fan power           | JT1              |
| Serial port 1             | J20      | Chassis fan power           | JT1A             |
| Serial port 2             | J21      | Chassis fan power           | JT2              |
| Floppy drive interface    | J22      | Chassis fan power           | JT2A             |
| PS/2 mouse port           | J34      | Chassis fan power           | JT3              |
| 5v auxiliary power        | J36      | Chassis fan power           | JT3A             |
| Ultra II SCSI interface   | JA1      | 32-bit PCI slots            | PC1 – PC5        |
| Ultra Wide SCSI interface | JA2      | RAID slot                   | SL1              |
| Ultra SCSI interface      | JA4      | SCSI interface LED          | SLED             |
| External battery          | JBT2     | Wake on LAN connector       | WOL              |

## USER CONFIGURABLE SETTINGS

| Function                       | Label | Position          |
|--------------------------------|-------|-------------------|
| Overheat buzzer disabled       | BZON  | Open              |
| Overheat buzzer enabled        | BZON  | Closed            |
| » CMOS memory normal operation | JBT1  | Pins 1 & 2 closed |

|   |                                   |      |                   |
|---|-----------------------------------|------|-------------------|
|   | CMOS memory clear                 | JBT1 | Pins 2 & 3 closed |
| » | Factory configured - do not alter | JL2  | Unidentified      |
| » | Factory configured - do not alter | JP16 | Unidentified      |
| » | Factory configured - do not alter | JP18 | Unidentified      |
| » | BIOS CTL PD state                 | JP20 | Pins 2 & 3 closed |
|   | PIIX CTL PD state                 | JP20 | Pins 1 & 2 closed |
| » | Factory configured - do not alter | JPR1 | Unidentified      |
| » | Factory configured - do not alter | JPWP | Unidentified      |
| » | Factory configured - do not alter | JTM  | Unidentified      |
|   | SCSI termination enabled          | STE  | Closed            |
|   | SCSI termination disabled         | STE  | Open              |

### DIMM CONFIGURATION

| Size | Bank 0      | Bank 1      | Bank 2      | Bank 3      |
|------|-------------|-------------|-------------|-------------|
| 8MB  | (1) 1M x 64 | None        | None        | None        |
| 16MB | (1) 2M x 64 | None        | None        | None        |
| 16MB | (1) 1M x 64 | (1) 1M x 64 | None        | None        |
| 24MB | (1) 2M x 64 | (1) 1M x 64 | None        | None        |
| 24MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 | None        |
| 32MB | (1) 4M x 64 | None        | None        | None        |
| 32MB | (1) 2M x 64 | (1) 2M x 64 | None        | None        |
| 32MB | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 | (1) 1M x 64 |
| 40MB | (1) 4M x 64 | (1) 1M x 64 | None        | None        |
| 48MB | (1) 4M x 64 | (1) 2M x 64 | None        | None        |
| 48MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 | None        |
| 64MB | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 | (1) 2M x 64 |

|       |              |              |              |             |
|-------|--------------|--------------|--------------|-------------|
| 64MB  | (1) 8M x 64  | None         | None         | None        |
| 64MB  | (1) 4M x 64  | (1) 4M x 64  | None         | None        |
| 72MB  | (1) 8M x 64  | (1) 1M x 64  | None         | None        |
| 80MB  | (1) 8M x 64  | (1) 2M x 64  | None         | None        |
| 96MB  | (1) 8M x 64  | (1) 4M x 64  | None         | None        |
| 96MB  | (1) 4M x 64  | (1) 4M x 64  | (1) 4M x 64  | None        |
| 128MB | (1) 16M x 64 | None         | None         | None        |
| 128MB | (1) 8M x 64  | (1) 8M x 64  | None         | None        |
| 128MB | (1) 4M x 64  | (1) 4M x 64  | (1) 4M x 64  | (1) 4M x 64 |
| 136MB | (1) 16M x 64 | (1) 1M x 64  | None         | None        |
| 144MB | (1) 16M x 64 | (1) 2M x 64  | None         | None        |
| 176MB | (1) 16M x 64 | (1) 2M x 64  | (1) 2M x 64  | (1) 2M x 64 |
| 192MB | (1) 16M x 64 | (1) 8M x 64  | None         | None        |
| 192MB | (1) 8M x 64  | (1) 8M x 64  | (1) 8M x 64  | None        |
| 256MB | (1) 32M x 64 | None         | None         | None        |
| 256MB | (1) 16M x 64 | (1) 16M x 64 | None         | None        |
| 256MB | (1) 8M x 64  | (1) 8M x 64  | (1) 8M x 64  | (1) 8M x 64 |
| 272MB | (1) 16M x 64 | (1) 16M x 64 | (1) 1M x 64  | (1) 1M x 64 |
| 280MB | (1) 32M x 64 | (1) 1M x 64  | (1) 1M x 64  | (1) 1M x 64 |
| 288MB | (1) 16M x 64 | (1) 16M x 64 | (1) 2M x 64  | (1) 2M x 64 |
| 320MB | (1) 16M x 64 | (1) 16M x 64 | (1) 4M x 64  | (1) 4M x 64 |
| 384MB | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 | None        |

**DIMM CONFIGURATION (CON'T)**

| Size  | Bank 0       | Bank 1      | Bank 2      | Bank 3      |
|-------|--------------|-------------|-------------|-------------|
| 448MB | (1) 32M x 64 | (1) 8M x 64 | (1) 8M x 64 | (1) 8M x 64 |

|        |              |              |              |              |
|--------|--------------|--------------|--------------|--------------|
| 512MB  | (1) 64M x 64 | None         | None         | None         |
| 512MB  | (1) 32M x 64 | (1) 32M x 64 | None         | None         |
| 512MB  | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 |
| 640MB  | (1) 32M x 64 | (1) 16M x 64 | (1) 16M x 64 | (1) 16M x 64 |
| 768MB  | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 | None         |
| 1024MB | (1) 64M x 64 | (1) 64M x 64 | None         | None         |
| 1024MB | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 | (1) 32M x 64 |
| 1536MB | (1) 64M x 64 | (1) 64M x 64 | (1) 64M x 64 | None         |
| 2048MB | (1) 64M x 64 | (1) 64M x 64 | (1) 64M x 64 | (1) 64M x 64 |

Note: Board accepts SDRAM memory.

### CACHE CONFIGURATION

Note: 1024KB cache is located on the Pentium II CPU.

### CPU SPEED SELECTION

| CPU speed | Clock speed | Multiplier | JB1    | JB2    | JB3  | JB4    | JP11  |
|-----------|-------------|------------|--------|--------|------|--------|-------|
| 400MHz    | 100MHz      | 4x         | Closed | Closed | Open | Closed | 1 & 2 |
| 450MHz    | 100MHz      | 4.5x       | Open   | Closed | Open | Closed | 1 & 2 |

Note: Pins designated should be in the closed position.