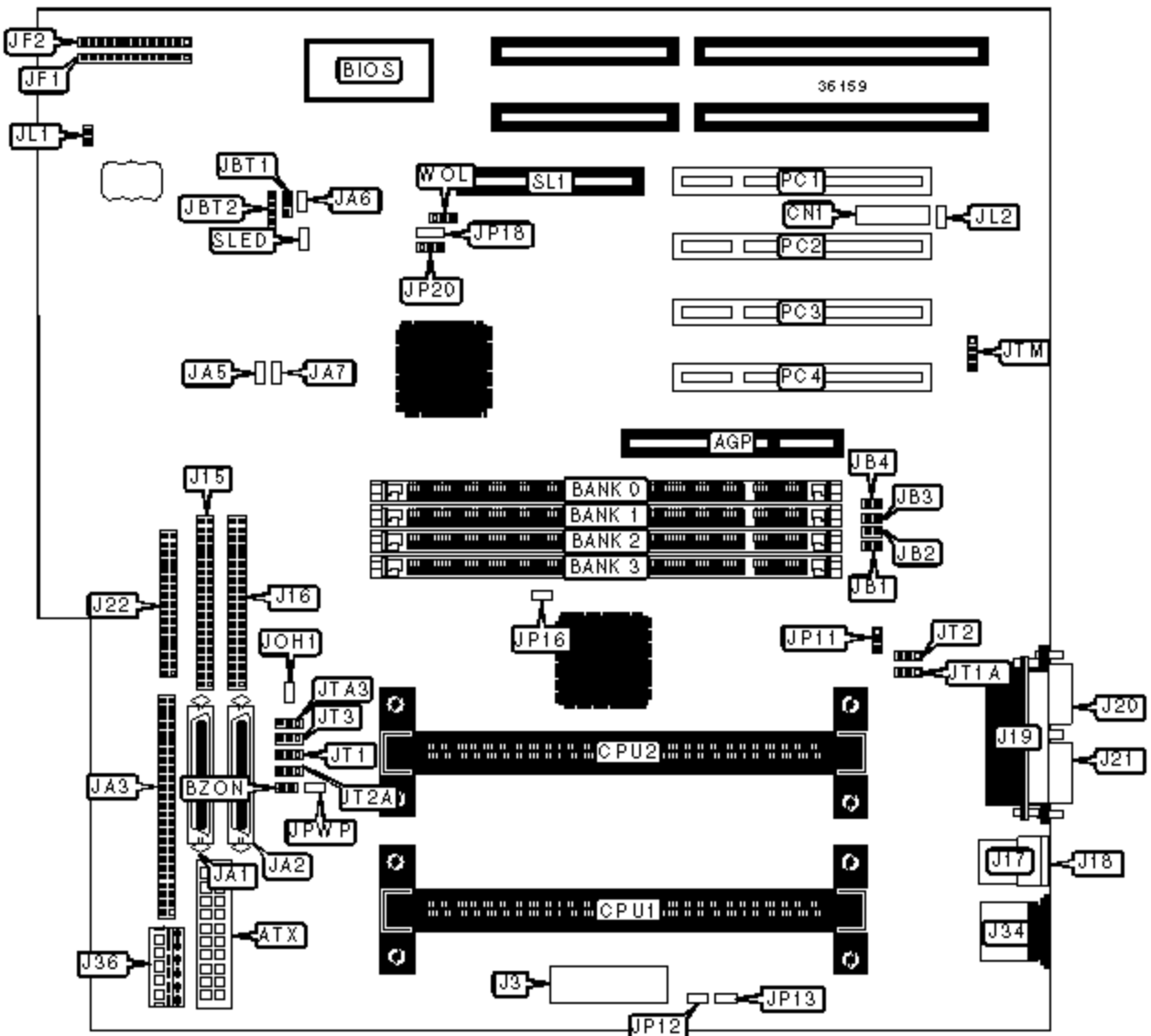


SUPER MICRO

S2DGR (REV. 1.3)

Device Type	Mainboard
Processor	Pentium II
Processor Speed	400/450MHz
Chip Set	Intel 440GX
Maximum Onboard Memory	2GB (SDRAM supported)
Cache	1024KB (located on Pentium II CPU)
BIOS	AMI
Dimensions	304mm x 244mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), SCSI interface, Ultra SCSI interface, Ultra Wide SCSI interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector, AGP slot, RAID slot, wake on LAN connector, SB-link connector



Purpose	Location	Purpose	Location
AGP slot	AGP	Power LED & keylock	JF1/pins 5 – 9
ATX power connector	ATX	Speaker	JF1/pins 10 - 13
SB-link connector	CN1	IR connector	JF2/pins 1 – 8
IDE interface 2	J15	Soft off power supply	JF2/pins 9 & 10
IDE interface 1	J16	Reset switch	JF2/pins 12 & 13
USB connector 1	J17	Chassis intrusion connector	JL1
USB connector 2	J18	Overheat LED	JOH1
Parallel port	J19	Thermal input connector	JTM
Serial port 1	J20	Chassis fan power	JT1
Serial port 2	J21	Chassis fan power	JT1A
Floppy drive interface	J22	Chassis fan power	JT2
PS/2 mouse port	J34	Chassis fan power	JT2A
5v auxiliary power	J36	Chassis fan power	JT3
Ultra Wide SCSI interface	JA1	Chassis fan power	JT3A
Ultra Wide SCSI interface	JA2	32-bit PCI slots	PC1 – PC4
Ultra SCSI interface	JA3	RAID slot	SL1
External battery	JBT2	SCSI interface LED	SLED
IDE interface LED	JF1/pins 1 – 4	Wake on LAN connector	WOL

USER CONFIGURABLE SETTINGS

Function		Label	Position
	Overheat buzzer disabled	BZON	Open
	Overheat buzzer enabled	BZON	Closed
»	Factory configured - do not alter	J3	Unidentified
»	Factory configured - do not alter	JA7	Unidentified
»	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	JP12	Unidentified
»	Factory configured - do not alter	JP13	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

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) 2M x 64	None	None

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
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

Multiplier	JB1	JB2	JB3	JB4
3x	Open	Closed	Open	Open
3.5x	Closed	Closed	Open	Open
4x	Closed	Closed	Open	Closed
4.5x	Open	Closed	Open	Closed

5x	Closed	Open	Open	Closed
5.5x	Open	Open	Open	Closed
6x	Closed	Closed	Closed	Open

CPU CLOCK SPEED SELECTION	
Clock speed	JP11
66MHz	Closed
100MHz	Open

SCSI TERMINATION SELECTION		
Setting	JA5	JA6
» Enabled	Closed	Closed
Disabled	Open	Open

Note: JA5 is for JA1 & JA3. JA6 is for JA2.