ZENITH DATA SYSTEMS

EXPRESS 5800 LE2200

Device Type	Mainboard
Processor	Pentium II
Processor Speed	200MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	512MB
Maximum Video Memory	2MB
Cache	256/512KB (located on Pentium II CPU)
BIOS	Unidentified
Dimensions	355mm x 304mm
I/O Options	32-bit PCI slots (3), floppy drive interface, Narrow SCSI interface, Wide SCSI interface, VRM connectors (2), RAID slot
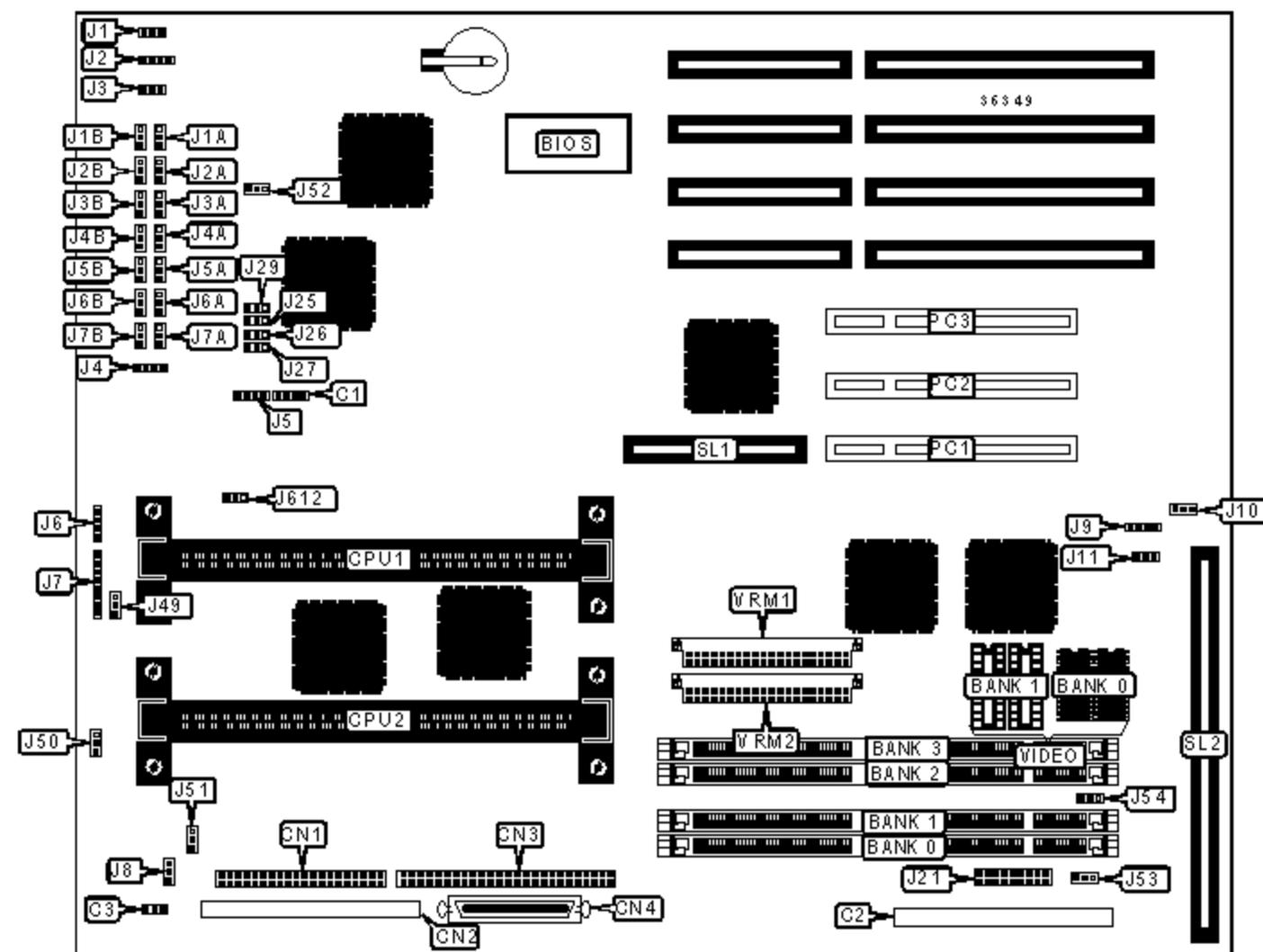
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Speaker	C1	Wide SCSI interface	CN4
Chassis fan power	C3	32-bit PCI slots	PC1 - PC3
Floppy drive interface	CN1	RAID slot	SL1

pply			
Front panel connector	CN2	Riser board connector	SL2
Narrow SCSI interface	CN3		

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Factory configured - do not alter	C2	Unidentified
»	Factory configured - do not alter	J1	Unidentified
»	CMOS memory normal operation	J1B	Pins 1 & 2 closed
	CMOS memory clear	J1B	Pins 2 & 3 closed
»	Factory configured - do not alter	J2	Unidentified
»	Password enabled	J2B	Pins 1 & 2 closed
	Password disabled	J2B	Pins 2 & 3 closed
»	Factory configured - do not alter	J3	Unidentified
»	Factory configured - do not alter	J3B	Unidentified
»	Factory configured - do not alter	J4	Unidentified
»	Factory configured - do not alter	J4B	Pins 1 & 2 closed
»	Factory configured - do not alter	J5	Unidentified
»	Factory configured - do not alter	J5A	Pins 1 & 2 closed
»	Factory configured - do not alter	J6	Unidentified
»	Flash BIOS write protect disabled	J6A	Pins 1 & 2 closed
	Flash BIOS write protect enabled	J6A	Pins 2 & 3 closed
»	Factory configured - do not alter	J6B	Unidentified
»	Factory configured - do not alter	J7	Unidentified
»	Factory configured - do not alter	J7A	Pins 2 & 3 closed
»	Factory configured - do not alter	J7B	Pins 1 & 2 closed
»	Factory configured - do not alter	J8	Unidentified

	Function	Label	Position
»	Factory configured - do not alter	J9	Unidentified
»	Factory configured - do not alter	J10	Unidentified
»	Factory configured - do not alter	J11	Unidentified
»	Factory configured - do not alter	J21	All jumpers closed
»	Factory configured - do not alter	J25	Pins 1 & 2 closed
»	Factory configured - do not alter	J26	Pins 1 & 2 closed
»	Factory configured - do not alter	J27	Pins 2 & 3 closed
»	Factory configured - do not alter	J28	Unidentified
»	Factory configured - do not alter	J29	Pins 2 & 3 closed
»	Factory configured - do not alter	J51	Pins 2 & 3 closed
»	Factory configured - do not alter	J52	Pins 1 & 2 closed
»	Factory configured - do not alter	J53	Pins 1 & 2 closed

USER CONFIGURABLE SETTINGS (CON'T)		
Function	**Label**	**Position**
» Factory configured - do not alter	J54	Pins 1 & 2 closed
» Hard drive LED select separate hard drive activity signals	J612	Pins 2 & 3 closed
Hard drive LED select "OR" the 2 hard drive signals	J612	Pins 1 & 2 closed
Note: The location of J28 is unidentified.		

DIMM CONFIGURATION				
Size	**Bank 0**	**Bank 1**	**Bank 2**	**Bank 3**
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
448MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
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

CACHE CONFIGURATION

Note: 256KB/512KB cache is located on the Pentium II CPU.

VIDEO MEMORY CONFIGURATION

Size	Bank 0	Bank 1
1MB	(2) 256K x 16	None
2MB	(2) 256K x 16	(2) 256K x 16

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	J1A	J2A	J3A	J4A	J5B
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3	2 & 3
266MHz	66MHz	4x	2 & 3	2 & 3	2 & 3	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU TYPE SELECTION

	Type	J49	J50
»	CPU1 installed	Pins 1 & 2 closed	N/A
	CPU1 not installed	Pins 2 & 3 closed	N/A
	CPU2 installed	N/A	Pins 1 & 2 closed
	CPU2 not installed	N/A	Pins 2 & 3 closed