ZENITH DATA SYSTEMS

EXPRESS 5800 MT2000

Device Type	Mainboard
Processor	Pentium Pro
Processor Speed	180/200MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	1GB
Maximum Video Memory	2MB
Cache	256/512KB (located on Pentium Pro CPU)
BIOS	Unidentified
Dimensions	355mm x 304mm
I/O Options	32-bit PCI slots (5), floppy drive interface, Narrow SCSI interface, Wide SCSI interface, RAID slot
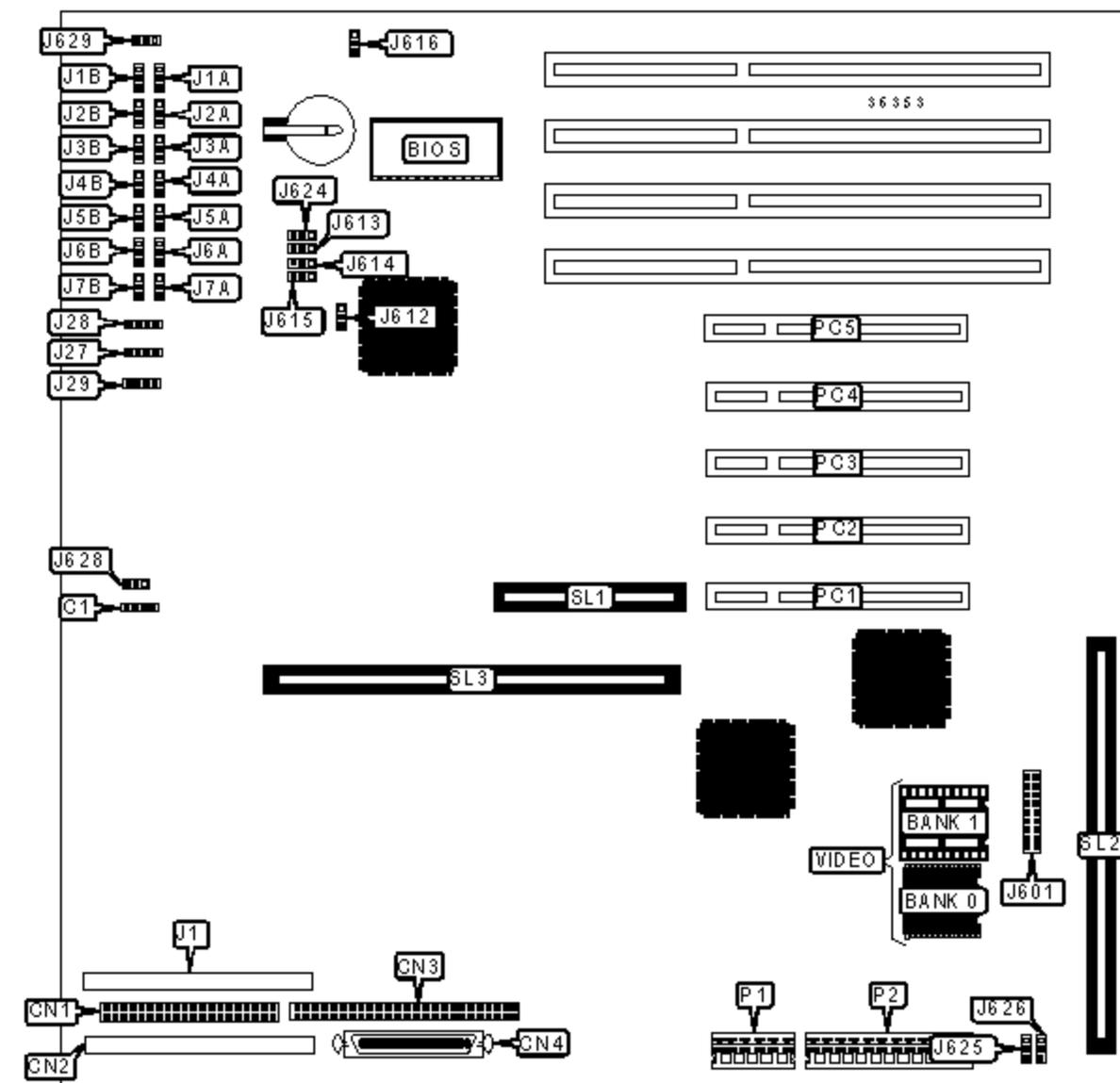
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Chassis fan power	C1	Power connector	P1

Speaker	C2	Power connector	P2
Floppy drive interface	CN1	32-bit PCI slots	PC1 - PC5
Front panel connector	CN2	RAID slot	SL1
Narrow SCSI interface	CN3	Riser board connector	SL2
Wide SCSI interface	CN4	CPU/memory slot	SL3

USER CONFIGURABLE SETTINGS			
	Function	Label	Position
»	Factory configured - do not alter	J1	Unidentified
»	CMOS memory normal operation	J1B	Pins 1 & 2 closed
	CMOS memory clear	J1B	Pins 2 & 3 closed
»	Password enabled	J2B	Pins 1 & 2 closed
	Password disabled	J2B	Pins 2 & 3 closed
»	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	J5A	Pins 1 & 2 closed
»	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	J7A	Pins 2 & 3 closed
»	Factory configured - do not alter	J27	Unidentified
»	Factory configured - do not alter	J28	Unidentified
»	Factory configured - do not alter	J29	Unidentified
»	Factory configured - do not alter	J601	All jumpers closed
»	Factory configured - do not alter	J612	Pins 2 & 3 closed
»	Factory configured - do not alter	J613	Pins 1 & 2 closed

»	Factory configured - do not alter		J614	Pins 1 & 2 closed
»	Factory configured - do not alter		J615	Pins 2 & 3 closed
»	Factory configured - do not alter		J616	Pins 2 & 3 closed
»	Factory configured - do not alter		J624	Pins 2 & 3 closed
»	Factory configured - do not alter		J625	Pins 2 & 3 closed
»	Factory configured - do not alter		J626	Pins 2 & 3 closed
»	Factory configured - do not alter		J628	Pins 1 & 2 closed
»	Factory configured - do not alter		J629	Pins 2 & 3 closed

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**	**J6B**
180MHz	60MHz	3x	2 & 3	2 & 3	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	66MHz	3x	2 & 3	2 & 3	1 & 2	2 & 3	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								

CPU/MEMORY CARD
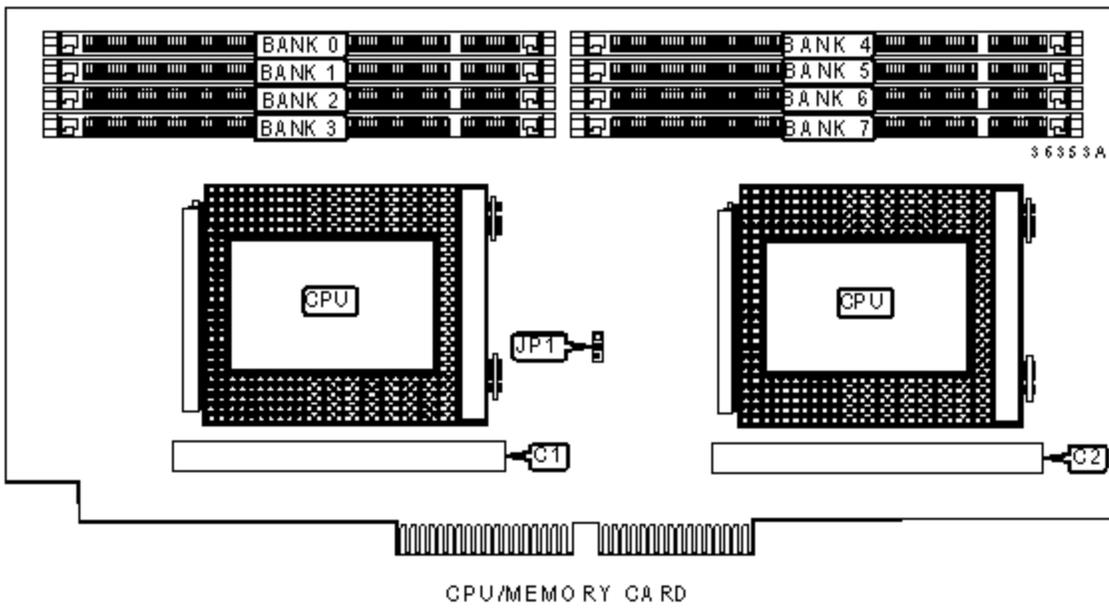
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
DC to DC converter 1	C1	DC to DC converter 2	C2

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Factory configured - do not alter	JP1	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

Size	Bank 0	Bank 1	Bank 2	Bank 3
64MB	(1) 4M x 64	(1) 4M x 64	None	None
72MB	(1) 8M x 64	(1) 1M x 64	None	None

DIMM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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) 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
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
512MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64

DIMM CONFIGURATION (CON'T)				
Size	Bank 4	Bank 5	Bank 6	Bank 7
64MB	(1) 4M x 64	None	None	None
64MB	(1) 2M x 64	(1) 2M x 64	None	None

Size	Bank 0	Bank 1	Bank 2	Bank 3
64MB	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64	(1) 1M x 64
80MB	(1) 4M x 64	(1) 1M x 64	None	None
96MB	(1) 4M x 64	(1) 2M x 64	None	None
96MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	None
128MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
128MB	(1) 8M x 64	None	None	None
128MB	(1) 4M x 64	(1) 4M x 64	None	None
144MB	(1) 8M x 64	(1) 1M x 64	None	None
160MB	(1) 8M x 64	(1) 2M x 64	None	None
192MB	(1) 8M x 64	(1) 4M x 64	None	None
192MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	None
256MB	(1) 16M x 64	None	None	None
256MB	(1) 8M x 64	(1) 8M x 64	None	None
256MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
272MB	(1) 16M x 64	(1) 1M x 64	None	None
288MB	(1) 16M x 64	(1) 2M x 64	None	None
352MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
384MB	(1) 16M x 64	(1) 8M x 64	None	None
384MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	None

DIMM CONFIGURATION (CON'T)				
Size	Bank 4	Bank 5	Bank 6	Bank 7
512MB	(1) 16M x 64	(1) 16M x 64	None	None
512MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
544MB	(1) 16M x 64	(1) 16M x 64	(1) 1M x 64	(1) 1M x 64
576MB	(1) 16M x 64	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
640MB	(1) 16M x 64	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
768MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64	None

| 1024MB | (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.