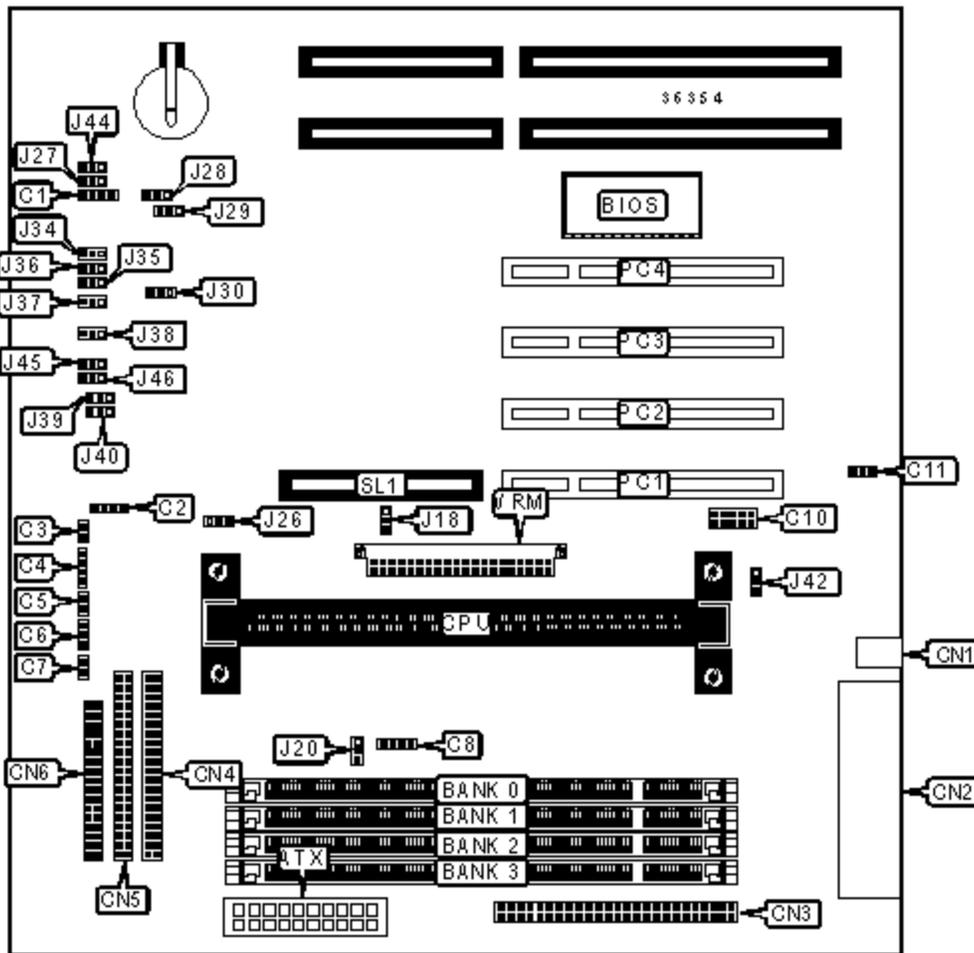


ZENITH DATA SYSTEMS

EXPRESS 5800 EX1200

Device Type	Mainboard
Processor	Pentium II
Processor Speed	233/266/300MHz
Chip Set	Unidentified
Video Chip Set	Unidentified
Maximum Onboard Memory	512MB
Maximum Video Memory	1MB
Cache	256/512KB (located on Pentium II CPU)
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (4), floppy drive interface, IDE interfaces (2), SCSI interface, parallel port, PS/2 mouse port, serial ports (2), VGA port, ATX power connector, RAID slot



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	SCSI interface	CN3
IDE interface LED	C3	IDE interface 2	CN4
Speaker	C4	IDE interface 1	CN5
Soft off power supply	C6	Floppy drive interface	CN6

Dc power connector	C7	32-bit PCI slots	PC1 - PC4
Dump switch	CN1	RAID slot	SL1
Front panel connectors	CN2	VRM connector	VRM
Note: CN2 includes mouse, keyboard VGA, serial ports (2), & parallel port.			

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	Factory configured - do not alter	C1	Unidentified
»	Factory configured - do not alter	C2	Unidentified
»	Factory configured - do not alter	C5	Unidentified
»	Factory configured - do not alter	C10	Unidentified
»	Factory configured - do not alter	C11	Unidentified
»	Factory configured - do not alter	J18	Pins 1 & 2 closed
»	Factory configured - do not alter	J20	Pins 2 & 3 closed
»	Factory configured - do not alter	J26	Pins 1 & 2 closed
»	Hard drive LED select separate hard drive activity signals	J27	Pins 1 & 2 closed
	Hard drive LED select "OR" the 2 hard drive signals	J27	Pins 2 & 3 closed
»	Flash BIOS write protect disabled	J28	Pins 1 & 2 closed
	Flash BIOS write protect enabled	J28	Pins 2 & 3 closed
»	Flash BIOS boot block disabled	J29	Pins 2 & 3 closed
	Flash BIOSboot block enabled	J29	Pins 1 & 2 closed
»	Password enabled	J30	Pins 1 & 2 closed
	Password disabled	J30	Pins 2 & 3 closed
»	CMOS memory normal operation	J38	Pins 1 & 2 closed
	CMOS memory clear	J38	Pins 2 & 3 closed
»	Factory configured - do not alter	J39	Pins 1 & 2 closed
	Factory configured - do not alter	J40	Pins 2 & 3 closed

»	Factory configured - do not alter	J40	Pins 2 & 3 closed
»	Factory configured - do not alter	J42	Pins 2 & 3 closed
»	Factory configured - do not alter	J44	Pins 2 & 3 closed
»	Factory configured - do not alter	J45	Pins 1 & 2 closed
»	Factory configured - do not alter	J46	Pins 1 & 2 closed

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			
40MB	(1) 4M x 64	(1) 1M x 64	None	None

DIMM CONFIGURATION (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
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			
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			
136MB	(1) 16M x 64	(1) 1M x 64	None	None

130MB	(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			
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			

CACHE CONFIGURATION

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

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

CPU SPEED SELECTION

CPU speed	Clock speed	Multiplier	J34	J35	J36	J37
233MHz	66MHz	3.5x	1 & 2	2 & 3	1 & 2	2 & 3
266MHz	66MHz	4x	2 & 3	2 & 3	2 & 3	1 & 2
300MHz	66MHz	4.5x	1 & 2	2 & 3	2 & 3	1 & 2

300MHZ

66MHZ

4.5x

1 & 2

2 & 3

2 & 3

1 & 2

Note: Pins designated should be in the closed position.