NORTHGATE COMPUTER SYSTEMS, INC.
Z X P   E I S A

Processor	80486DX/80486DX2
Processor Speed	33/50(internal)/50/66(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	128MB
Cache	64/128/256/512KB
BIOS	AMI/Phoenix
Dimensions	330mm x 218mm
I/O Options	External memory card, floppy drive interface, IDE interface, parallel port, serial ports (2)
NPU Options	None
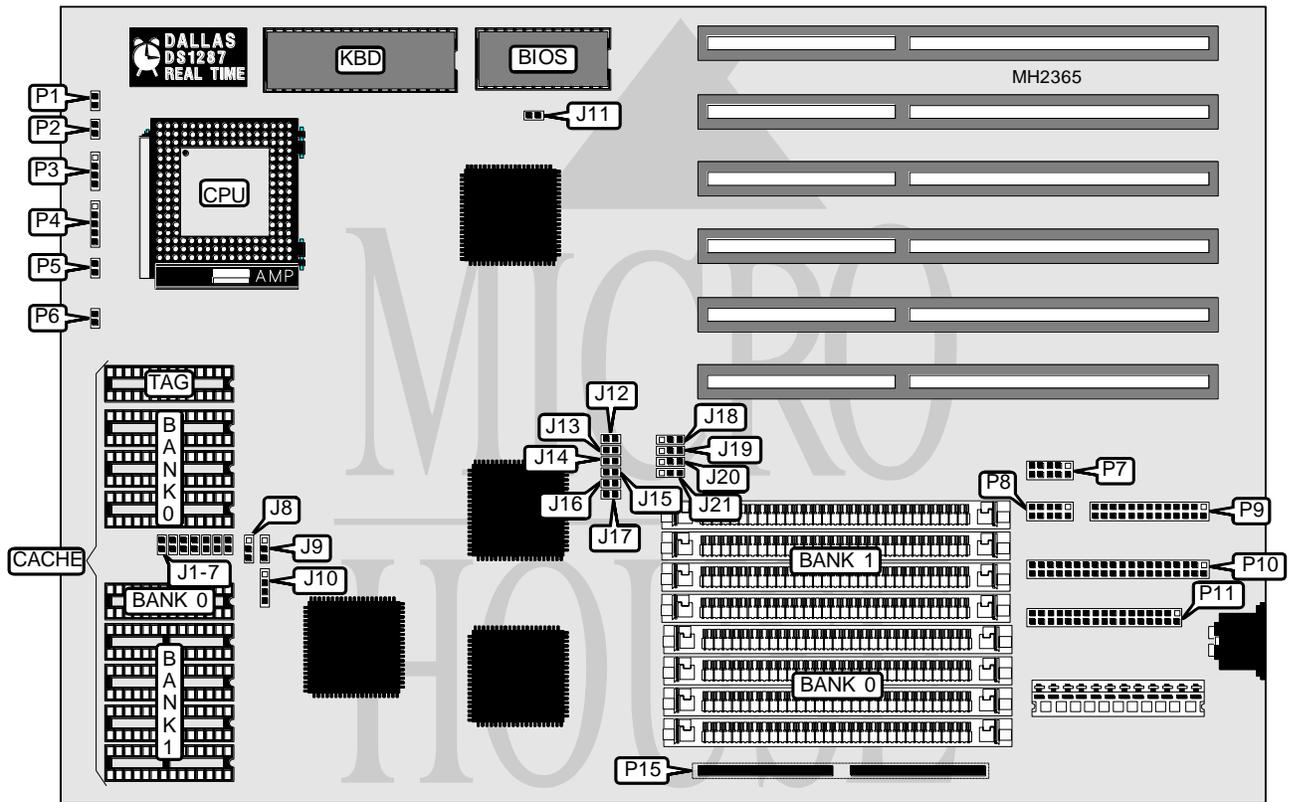
CONNECTIONS			
Purpose	Location	Purpose	Location
Reset switch	P2	Serial port 2	P8
Speaker	P3	Parallel port	P9
Power LED & keylock	P4	IDE interface	P10
Turbo LED	P5	Floppy drive interface	P11
IDE interface LED	P6	External memory card	P15
Serial port 1	P7		

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Factory configured - do not alter	J11	Open
í Factory configured - do not alter	J12	Open
í Factory configured - do not alter	J20	Open
í Factory configured - do not alter	J21	Open
í Monitor type select color	P1	Closed
Monitor type select monochrome	P1	Open

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
4MB	(4) 1M x 9	NONE
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9
64MB	(4) 16M x 9	NONE
128MB	(4) 16M x 9	(4) 16M x 9
Note: An external memory card is available, but actual sizes are not identified by the manufacturer.		

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(1) 64K x 1
128KB	(4) 32K x 8	NONE	(1) 64K x 1
256KB	(4) 32K x 8	(4) 32K x 8	(1) 64K x 1
512KB	(4) 128K x 8	NONE	(1) 64K x 1

CACHE JUMPER CONFIGURATION							
Size	J1	J2	J3	J4	J5	J6	J8
64KB	Open	Open	Open	Open	Open	Open	pins 2 & 3 closed
128KB	Open	Open	Closed	Open	Closed	Open	pins 1 & 2 closed
256KB	Open	Closed	Closed	Closed	Closed	Open	pins 2 & 3 closed
512KB	Closed	Closed	Closed	Closed	Closed	Closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION		
Type	J9	J10
80486DX/DX2	pins 2 & 3 closed	pins 1 & 2, 3 & 4 closed

CPU SPEED CONFIGURATION								
Speed	J7	J13	J14	J15	J16	J17	J18	J19
33MHz	Open	Open	Closed	Open	Closed	Open	1 & 2	2 & 3
50iMHz	Open	Closed	Closed	Open	Open	Open	1 & 2	2 & 3
50MHz	Open	Open	Open	Open	Closed	Closed	2 & 3	2 & 3
66iMHz	Open	Open	Closed	Open	Closed	Open	1 & 2	2 & 3
Note: Pins designated should be in the closed position.								