NORTHGATE COMPUTER SYSTEMS, INC.
S L I M L I N E Z X P

Processor	80486SX/80487SX/80486DX/ODP486SX/80486DX2
Processor Speed	16/20/25/33/50 (Internal)/66 (Internal)MHz
Chip Set	OPTI
Max. onboard DRAM	128MB
Cache	None
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	Floppy drive interface, IDE interface, parallel port, riser card, serial ports (2), VGA port
NPU Options	None
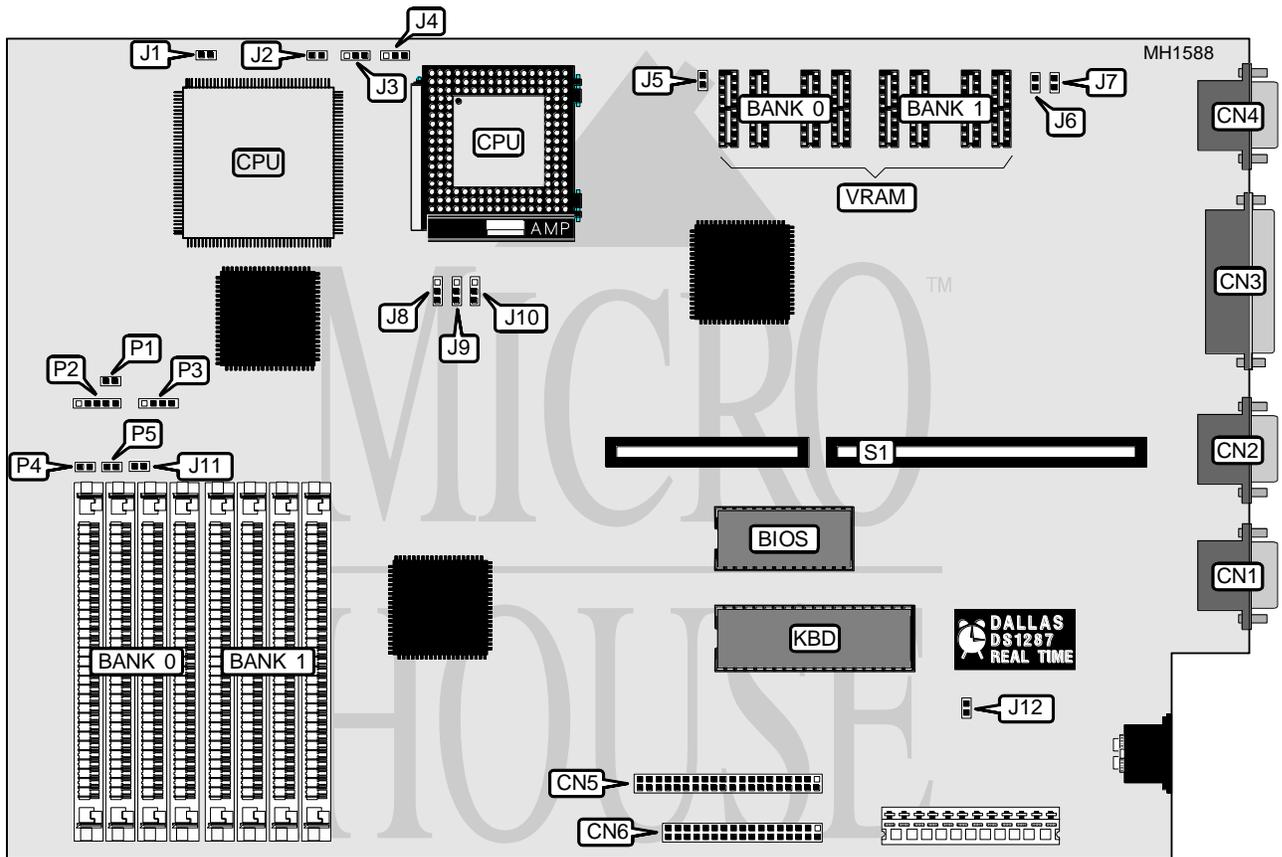
CONNECTIONS			
Purpose	Location	Purpose	Location
Parallel port	CN1	Turbo LED	P1
Serial port (COM1)	CN2	Power LED & keylock	P2
Serial port (COM2)	CN3	Speaker	P3
VGA port	CN4	IDE interface LED	P4
IDE interface	CN5	Reset switch	P5
Floppy drive interface	CN6	Riser Card	S1

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Onboard video disabled	J5	Closed
Onboard video enabled	J5	Open
í Monitor type select color	J11	Closed
Monitor type select monochrome	J11	Open
í Parallel port select uni-directional (printer)	J12	Closed
Parallel port select bi-directional	J12	Open

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 1M x 9	(4) 256K x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
17MB	(4) 4M x 9	(4) 256K x 9
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9
64MB	(4) 16M x 9	NONE
65MB	(4) 16M x 9	(4) 256K x 9
68MB	(4) 16M x 9	(4) 1M x 9
80MB	(4) 16M x 9	(4) 4M x 9
128MB	(4) 16M x 9	(4) 16M x 9

VRAM CONFIGURATION		
Size	Bank 0	Bank 1
512KB	(8) 8K x 8	Banks 0 & 1
1024KB	(4) 32K x 8	Bank 0

VRAM JUMPER CONFIGURATION		
Size	J6	J7
512KB	On	Off
1024KB	Off	On

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CPU SPEED CONFIGURATION			
Speed	J8	J9	J10
16MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
20MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
25MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
50i MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
66i MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed

CPU TYPE CONFIGURATION				
Speed	J1	J2	J3	J4
80486SX	Open	Open	Open	Open
80487SX	Closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
80486DX	Closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
ODP486SX	Closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
80486DX2	Closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed