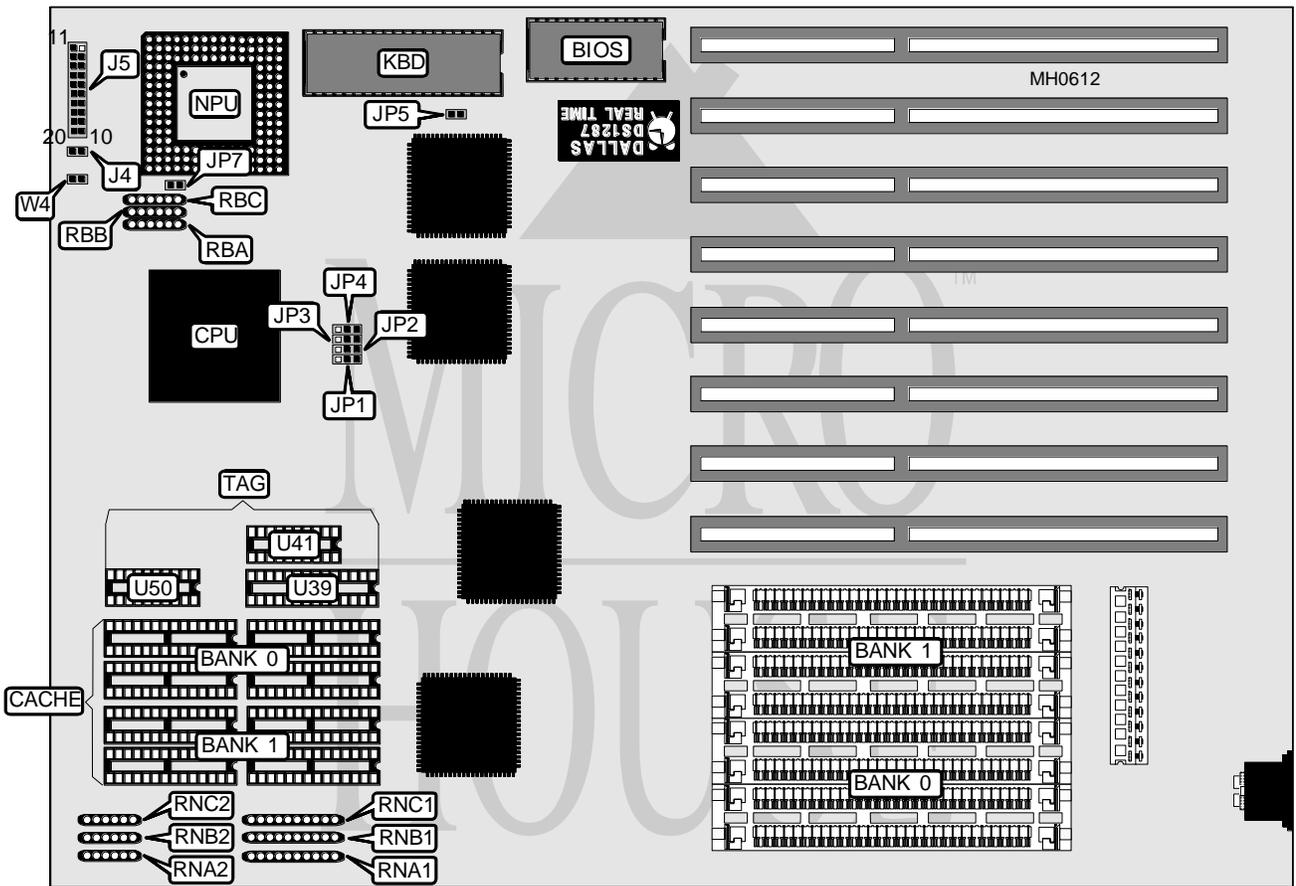


NORTHGATE COMPUTER SYSTEMS, INC.

486E

Processor	80486SX/80487SX/80486DX/80486DX2
Processor Speed	20/25/33/50/50(internal)/66(internal)MHz
Chip Set	OPTI
Max. Onboard DRAM	128MB
Cache	64/128/256KB
BIOS	AMI
Dimensions	330mm x 218mm
I/O Options	None
NPU Options	4167



CONNECTIONS			
Purpose	Location	Purpose	Location
IDE interface LED	J4 & J5 pins 10 & 20	Turbo LED	J5 pins 8 & 18
Speaker	J5 pins 1 - 4	Reset switch	J5 pins 9 & 19
Turbo switch	J5 pins 7 & 17	Power LED & keylock	J5 pins 11 - 15

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486E

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Monitor type select color	JP5	Closed
Monitor type select monochrome	JP5	Open
í EISA EXRDY to CHRDY conversion disabled	JP7	Open
EISA EXRDY to CHRDY conversion enabled	JP7	Closed

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: When upgrading to 128MB, you must increase the cache to 256KB.

CACHE CONFIGURATION					
Size	Bank 0	Bank 1	TAG (U39)	TAG (U41)	TAG (U50)
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8	(1) 16K x 1	(1) 16K x 1
128KB	(4) 32K x 8	NONE	(1) 8K x 8	(1) 16K x 1	(1) 16K x 1
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8	(1) 16K x 1	(1) 16K x 1

CACHE JUMPER CONFIGURATION						
Size	RNA1	RNA2	RNB1	RNB2	RNC1	RNC2
64KB	Installed	Installed	Not installed	Not installed	Not installed	Not installed
128KB	Not installed	Not installed	Installed	Installed	Not installed	Not installed
256KB	Not installed	Not installed	Not installed	Not installed	Installed	Installed

CPU TYPE CONFIGURATION				
Type	RBA	RBB	RBC	W4
80486SX	Installed	Not installed	Not installed	Closed
80487SX	Not installed	Installed	Not installed	Open
80486DX	Not installed	Not installed	Installed	Open
80486DX2	Not installed	Not installed	Installed	Open

CPU SPEED CONFIGURATION				
Speed	JP1	JP2	JP3	JP4
20MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
25MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
33MHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
50iMHz	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
50MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
66iMHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed