DTK COMPUTER, INC.
K E E N   3 3 0 4

Processor	80386DX
Processor Speed	33MHz
Chip Set	VLSI
Max. Onboard DRAM	16MB (8MB on external memory card)
Cache	64/256KB
BIOS	AMI/Award/Phoenix/DTK
Dimensions	330mm x 218mm
I/O Options	32-bit external memory card
NPU Options	80387DX/3167
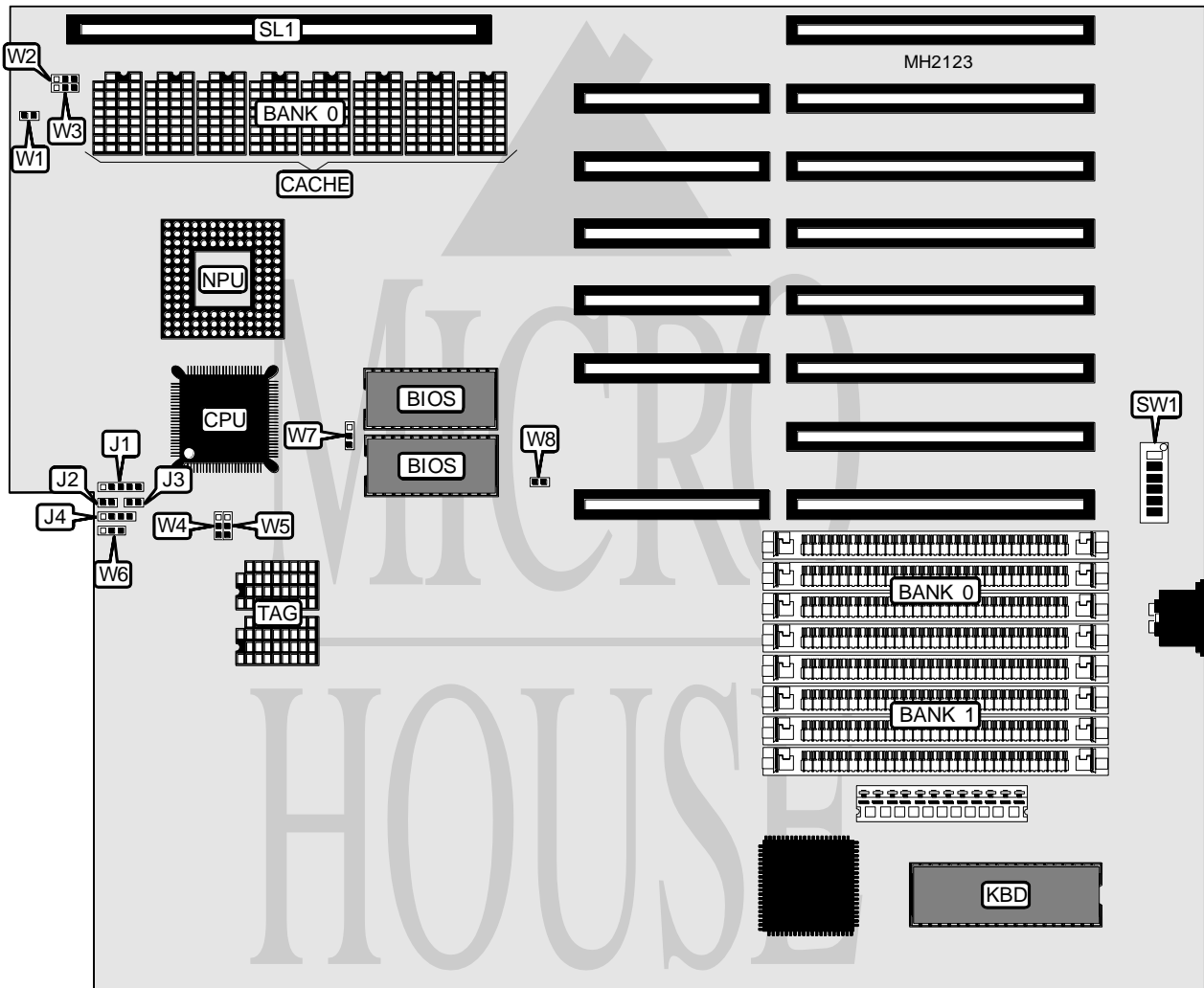
CONNECTIONS			
Purpose	Location	Purpose	Location
Power LED & keylock	J1	Speaker	J4
Turbo LED	J2	Turbo switch	W6
Reset switch	J3	32-bit external memory card	SL1

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Monitor type select color	SW1/6	On
Monitor type select monochrome	SW1/6	Off
í NPU disabled	W1	Closed
NPU enabled	W1	Open
í Turbo switch select normal (hardware)	W6	pins 1 & 2 closed
Turbo switch select turbo (hardware)	W6	Open
Turbo switch select speed toggled (software)	W6	pins 2 & 3 closed
í BIOS type select 27256	W7	pins 1 & 2 closed
BIOS type select 27512	W7	pins 2 & 3 closed
í DMA clock speed select 8MHz	W8	Closed
DMA clock speed select 6MHz	W8	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) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9

DRAM SWITCH CONFIGURATION (MAINBOARD)							
Size	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	W2	W3
1MB	On	On	On	On	On	2 & 3	2 & 3
2MB	On	On	On	On	On	2 & 3	2 & 3
4MB	On	On	Off	On	Off	1 & 2	1 & 2
5MB	Off	On	Off	Off	On	2 & 3	1 & 2
8MB	Off	On	Off	Off	Off	1 & 2	1 & 2
Note: Pins designated should be in the closed position.							

CACHE CONFIGURATION		
Size	Bank 0	TAG
64KB	(8) 16K x 4	(2) 16K x 8
256KB	(8) 64K x 4	(2) 64K x 8

CACHE JUMPER CONFIGURATION		
Size	W4	W5
64KB	pins 1 & 2 closed	pins 1 & 2 closed
256KB	pins 2 & 3 closed	pins 2 & 3 closed

DTK COMPUTER, INC.
KEEN 3304

PEI-306 RAM CARD
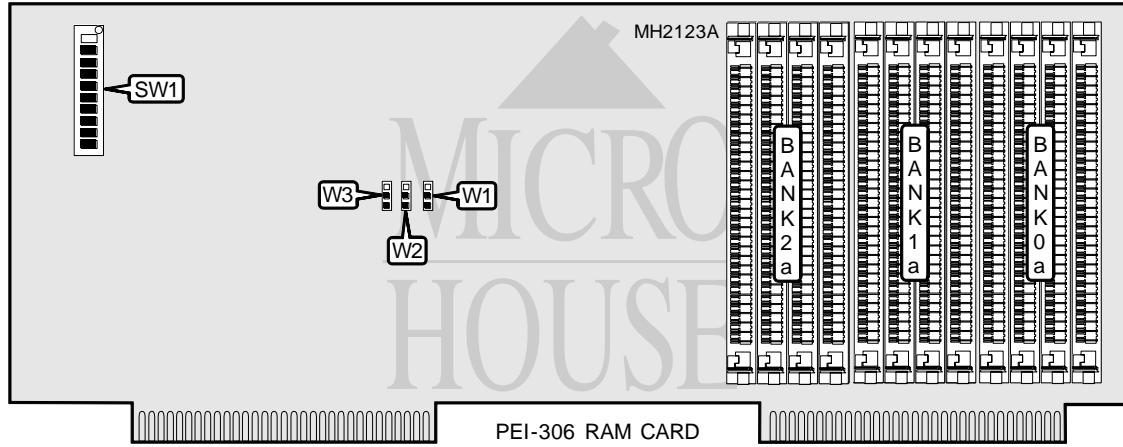
DRAM CONFIGURATION (MEMORY CARD)					
Size	Bank 0	Bank 1	Bank 0a	Bank 1a	Bank 2a
3MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	NONE	NONE
4MB	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9	NONE
5MB	(4) 1M x 9	NONE	(4) 256K x 9	NONE	NONE
6MB	(4) 1M x 9	NONE	(4) 256K x 9	(4) 256K x 9	NONE
7MB	(4) 256K x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9	NONE
7MB	(4) 1M x 9	NONE	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
8MB	(4) 1M x 9	NONE	(4) 1M x 9	NONE	NONE
8MB	(4) 256K x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
9MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	NONE	NONE
9MB	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9	NONE	NONE
10MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9	NONE
10MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9	NONE
11MB	(4) 1M x 9	(4) 1M x 9	(4) 256K x 9	(4) 256K x 9	(4) 256K x 9
12MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	NONE	NONE
13MB	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	NONE
14MB	(4) 256K x 9	(4) 256K x 9	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9
16MB	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9	NONE
16MB	(4) 1M x 9	NONE	(4) 1M x 9	(4) 1M x 9	(4) 1M x 9
Note: Banks 0 & 1 are located on the mainboard.					

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Size	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8	SW1/9
3MB	On	On	Off	Off	On	Off	Off	On	Off
4MB	On	On	Off	Off	On	Off	Off	On	Off
5MB	On	On	Off	On	Off	Off	Off	On	Off
6MB	On	On	Off	On	Off	Off	Off	On	On
7MB	On	On	Off	On	Off	On	Off	On	Off
7MB	On	On	Off	On	Off	Off	Off	On	Off
8MB	On	Off	Off	On	Off	Off	Off	On	Off
8MB	On	On	Off	On	Off	On	Off	On	Off
9MB	On	On	On	Off	Off	Off	Off	On	Off
9MB	On	Off	Off	On	Off	On	Off	On	Off
10MB	On	On	On	Off	Off	Off	Off	On	Off
10MB	On	Off	Off	Off	On	Off	Off	On	Off
11MB	On	On	On	Off	Off	Off	Off	On	On
12MB	On	Off	Off	On	Off	Off	Off	On	On
13MB	On	Off	Off	On	Off	On	Off	On	On
14MB	On	Off	Off	Off	On	Off	Off	On	Off
16MB	On	Off	On	Off	Off	Off	Off	On	On
16MB	On	Off	Off	On	Off	Off	Off	On	Off

DRAM SWITCH CONFIGURATION (MEMORY CARD)

Note: These jumper settings correspond exactly with the above DRAM configuration table. SW1/10 is not used.

DRAM JUMPER CONFIGURATION (MEMORY CARD)

Size	W1	W2	W3
256K x 9	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed
1M x 9	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed

Note: These jumpers correspond to the type of memory used in the memory card.