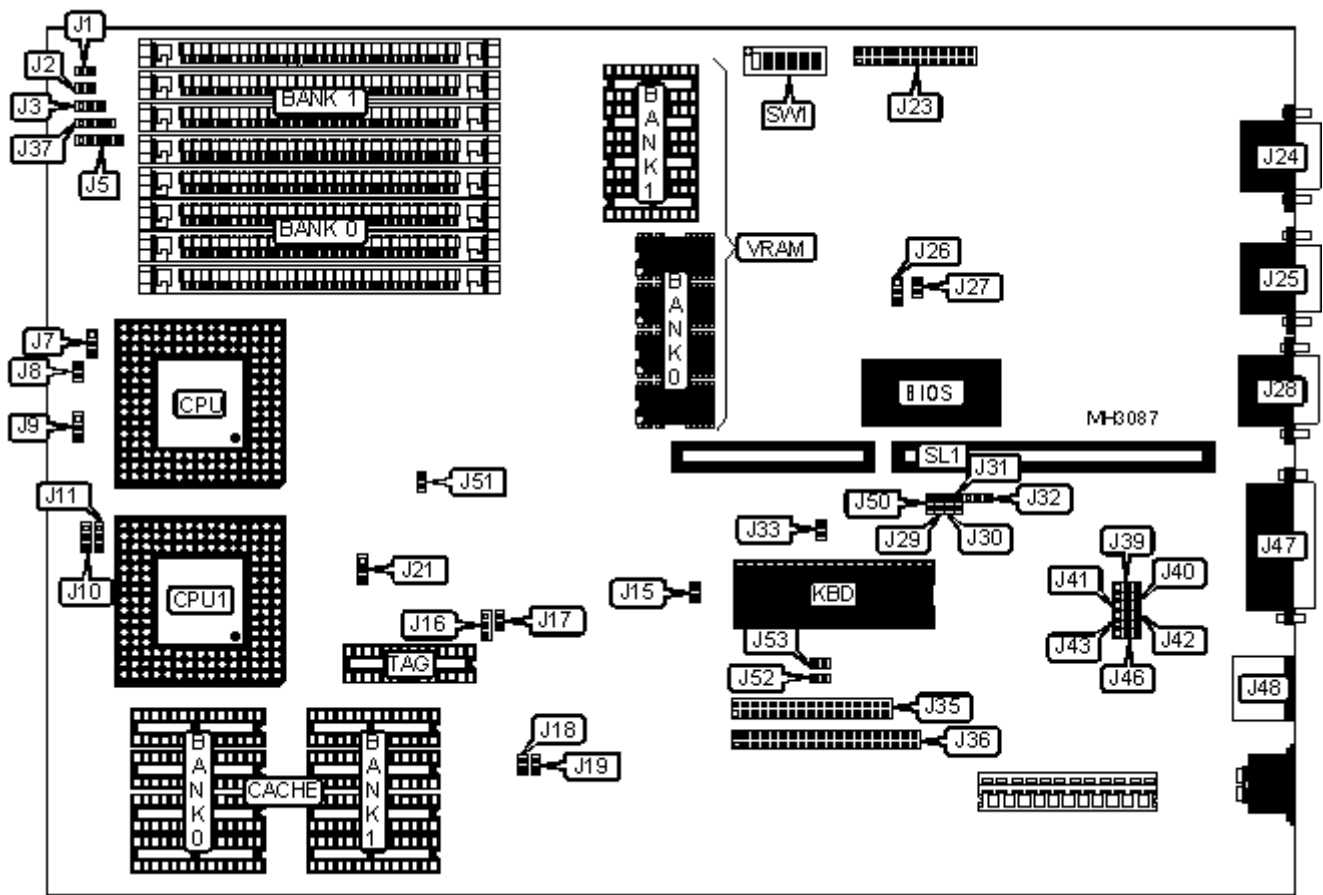


# PKM-3363Y (VER. 1.00) Motherboard Settings and Configuration

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## **DTK COMPUTER, INC.** PKM-3363Y (VER. 1.00)

<b>Processor</b>	80486SX/80487SX/80486DX/P23T
<b>Processor Speed</b>	16/20/25/33MHz
<b>Chip Set</b>	Symphony
<b>Max. Onboard DRAM</b>	32MB
<b>Cache</b>	64/256KB
<b>BIOS</b>	AMI/DTK
<b>Dimensions</b>	330mm x 222mm
<b>I/O Options</b>	Floppy drive interface, IDE interface, parallel port, PS/2 mouse port, serial ports (2), VGA feature connector, VGA port, riser slot
<b>NPU Options</b>	None



### CONNECTIONS

Purpose	Location	Purpose	Location
Reset switch	J1	Serial port 2	J28
Turbo LED	J2	Floppy drive interface	J35
Turbo switch	J3	IDE interface	J36
Power LED & keylock	J5	IDE interface LED	J37
VGA feature connector	J23	Parallel port	J47
VGA port	J24	PS/2 mouse port	J48
Serial port 1	J25	Riser slot	SL1

### USER CONFIGURABLE SETTINGS

	<b>Function</b>	<b>Jumper</b>	<b>Position</b>
»	Cache write hit wait state select 0 wait states	J8	Closed
	Cache write hit wait state select 1 wait state	J8	Open
»	On board VGA wait state select 0 wait states	J27	Closed
	On board VGA wait state select 1 wait state	J27	Open
»	VGA and system BIOS combined	J29	Closed
	VGA and system BIOS not combined	J29	Open
»	Parallel port IRQ select IRQ7	J32	pins 2 & 3 closed
	Parallel port IRQ select IRQ5	J32	pins 1 & 2 closed
»	Monitor type select monochrome	J33	Closed
	Monitor type select color	J33	Open
	Floppy drive interface enabled	J46	pins 1 & 2 closed
	Floppy drive interface disabled	J46	pins 2 & 3 closed
»	Cache enabled	J50	Closed
	Cache disabled	J50	Open

»	VGA KHz select 31.5KHz	SW1/5	Off
	VGA KHz select 35KHz	SW1/5	On

#### 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
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) 256K x 9	(4) 4M x 9
17MB	(4) 4M x 9	(4) 256K x 9
20MB	(4) 1M x 9	(4) 4M x 9
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9

#### CACHE CONFIGURATION

Size	Bank 0	Bank 1	TAG
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8

256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8
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#### CACHE JUMPER CONFIGURATION

Size	J7	J10	J11
64KB	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
128KB	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed

#### CPU TYPE CONFIGURATION

Type	J9	J16	J17
80486SX	Open	pins 2 & 3 closed	Open
80486DX	pins 1 & 2 closed	pins 1 & 2 closed	Closed

Note: An 80478SX or P23T can be installed at CPU1.

#### CPU SPEED CONFIGURATION

Speed	J18	J19	J21	J51
16MHz	Closed	Closed	pins 2 & 3 closed	Open
20MHz	Closed	Open	pins 2 & 3 closed	Open
25MHz	Open	Open	pins 2 & 3 closed	Open
33MHz	Open	Closed	pins 2 & 3 closed	Open

#### IDE CONFIGURATION

Setting	J52	J53
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Enabled	Closed	Closed
Disabled	Open	Open

### PARALLEL PORT CONFIGURATION

<b>LPT</b>	<b>J39</b>	<b>J40</b>
LPT1	pins 2 & 3 closed	pins 1 & 2 closed
LPT2	pins 1 & 2 closed	pins 1 & 2 closed
LPT3	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	pins 2 & 3 closed	pins 2 & 3 closed

### SERIAL PORT CONFIGURATION

<b>Port 1</b>	<b>Port 2</b>	<b>J41</b>	<b>J42</b>	<b>J43</b>
COM1	COM2	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
COM1	Disabled	pins 1 & 2 closed	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	COM2	pins 1 & 2 closed	pins 1 & 2 closed	pins 2 & 3 closed
COM2	COM1	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
COM2	Disabled	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	COM1	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
Disabled	Disabled	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed
Disabled	Disabled	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed

### SERIAL PORT IRQ CONFIGURATION

<b>IRQ</b>	<b>J30</b>	<b>J31</b>
IRQ3	Closed	Open
IRQ4	Open	Closed

### ON BOARD VGA CONFIGURATION

<b>Setting</b>	<b>J15</b>	<b>J26</b>
Enabled	Open	pins 1 & 2 closed
Disabled	Closed	pins 2 & 3 closed

### VGA REFRESH CONFIGURATION (800 X 600)

<b>Setting</b>	<b>SW1/3</b>	<b>SW1/4</b>
» 50Hz	Off	Off
56Hz	On	On
60Hz	Off	On
72Hz	On	Off

### VGA REFRESH CONFIGURATION (1024 X 728)

<b>Setting</b>	<b>SW1/1</b>	<b>SW1/2</b>
» Interlaced	Off	Off
60Hz	On	Off

70Hz Off On

Interlaced On On

### VRAM CONFIGURATION

Size	Bank 0	Bank 1
512KB	(4) 256K x 16	NONE
1MB	(4) 256K x 16	(4) 256K x 16

Note: Bank 0 is factory installed and is not configurable.

### VRAM SWITCH CONFIGURATION

Size	SW1/6
512KB	On
1MB	Off

Note: Bank 0 is factory installed and is not configurable.

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