

## DTK Computers

### Technical Information Sheet for PKM5037 S=shorted, 0=open

#### Cache Size Selection (JP1 - JP7)

Cache size	Jumpers							Tag RAM	Alt RAM	Data RAM
	JP1	JP2	JP3	JP4	JP5	JP6	JP7			
64KB	1-2	1-2	1-2	1-2	2-3	OFF	1-2	8Kx8	8Kx8	8Kx8*8
128KB	2-3	1-2	2-3	1-2	1-2	1-2	2-3	8Kx8	8Kx8	32Kx8*4
256KB	2-3	2-3	2-3	2-3	2-3	2-3	2-3	16Kx8 32Kx8	16Kx8 32Kx8	32Kx8*8

#### CPU Speed ID for VL-Bus

Speed	JP8	JP10
<=33	1-2	1-2
>33	2-3	2-3

#### VL-Bus Write Wait State

Wait	JP9	JP11
0W	1-2	1-2
1W	2-3	2-3

#### CPU Type Selection

	JP13	JP14	JP15
486DX/DX2	1-2	1-2	S
487SX/P24T	2-3	1-2	S
486SX	0	2-3	0

#### CPU Speed Selection

Speed	JP20	JP21	JP22	BIOS	DRAM
20MHz	0	0	0	fastest	
25MHz	0	0	S	faster	
33MHz	S	S	S	slower	
40MHz	0	S	S	slowest	
50MHz	S	0	0	slowest	

#### PQFP486 or PGA/ZIF Upgrade

Socket Selection	
PGA 486	S
PQFP486	0

#### A20 Source Selection JP17

Chip supported	1-2
8042 supported	2-3

#### Video Selection JP18

mono display	S
color display	0

#### CN1 Keylock/PowerLED

<1>	LED Power
<2>	Not Used
<3>	Ground
<4>	Keyboard Inhibit
<5>	Ground

#### CN2 Speaker Connector

<1>	Signal
<2>	VCC
<3>	Signal
<4>	VCC

#### CN3 Turbo Switch

<1>	Select Pin
<2>	Ground

#### CN4 Turbo LED Connector

<1>	+5V
<2>	Indicate Pin

#### CN5 Reset Connector

<1>	Ground
<2>	Reset

#### CN6 External Battery Connector

<1>	6V DC
<2>	Not Used
<3>	Ground
<4>	Ground

#### JP12 External Battery Selection

1-2	external
2-3	internal

#### CN7 Power Supply Connector

<1>	Power Good	<5>	Ground	< 9>	-5 VDC
<2>	+5 VDC	<6>	Ground	<10>	+5 VDC
<3>	+12 VDC	<7>	Ground	<11>	+5 VDC
<4>	-12 VDC	<8>	Ground	<12>	+5 VDC

Two banks of main memory are on the mainboard, banks 0 and 1.

RAM	Onboard		RAM	Onboard	
SIZE	BANK 0	BANK1	SIZE	BANK 0	BANK1
1M	256Kx9*4	None	8M	2Megx9*4	None
2M	256Kx9*4	256Kx9*4	16M	2Megx9*4	2Megx9*4
2M	512Kx9*4	None	16M	4Megx9*4	None
4M	512Kx9*4	512Kx9*4	18M	512Kx9*4	4Megx9*4
4M	1Megx9*4	None	20M	1Megx9*4	4Megx9*4
6M	512Kx9*4	1Megx9*4	32M	4Megx9*4	4Megx9*4
8M	1Megx9*4	1Megx9*4			