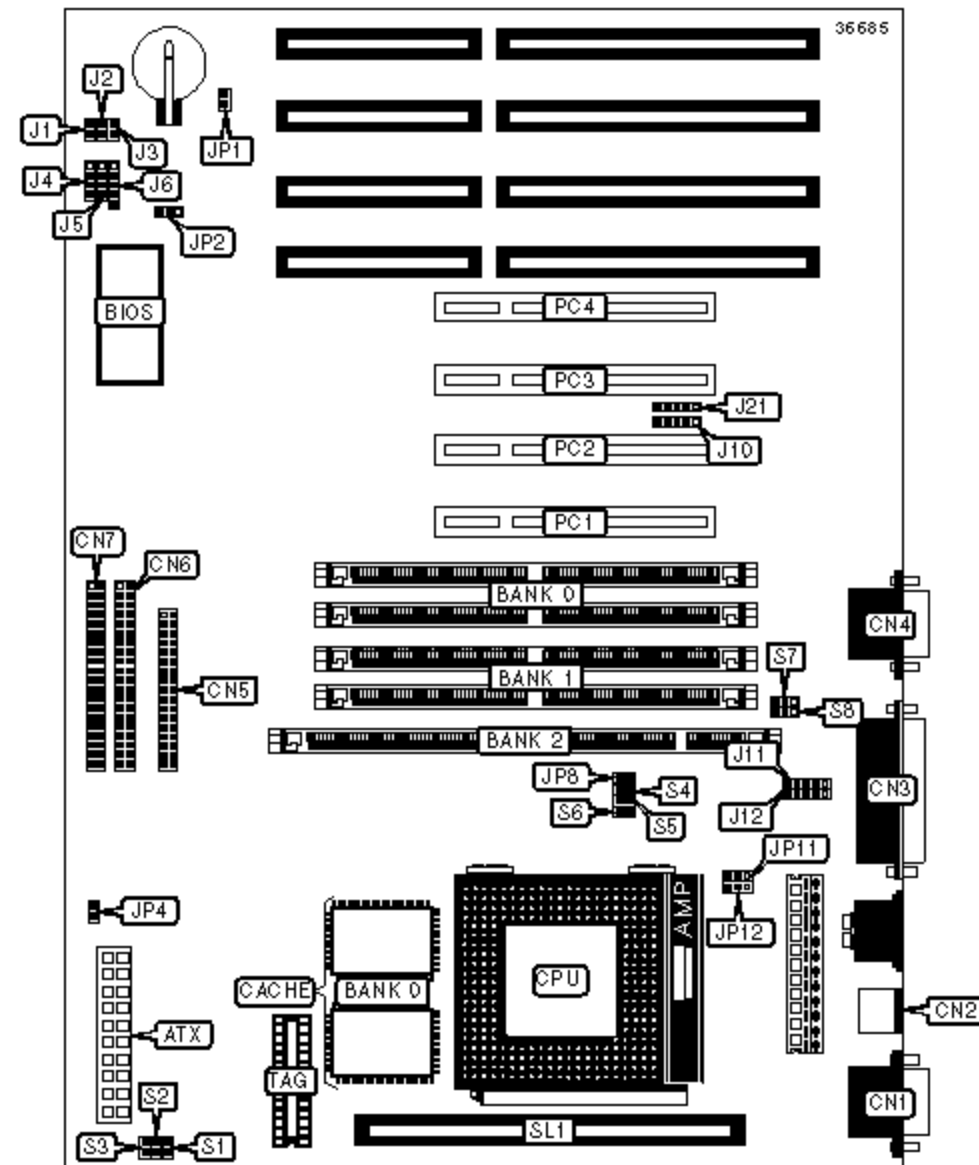


# DTK COMPUTER, INC.

## PAM-0070I (VER. 1.02)

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/AM K5/Pentium/Pentium MMX
<b>Processor Speed</b>	75/90/100/110/120/133/150/166/200MHz
<b>Chip Set</b>	Intel 430VX
<b>Maximum Onboard Memory</b>	128MB (EDO & SDRAM supported)
<b>Cache</b>	512KB
<b>BIOS</b>	Award/AMI
<b>Dimensions</b>	305mm x 210mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), cache slot, IR connector, Fast IR connector, USB interfaces (2), ATX power connector



### CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	PC speaker	J4
Serial port 1	CN1	IDE interface LED	J5

PS/2 mouse port	CN2	Power LED & Keylock	J6
Parallel port	CN3	IR connector	J10
Serial port 2	CN4	USB interface 1	J11
Floppy drive interface	CN5	USB interface 2	J12
IDE interface 1	CN6	Fast IR connector	J21
IDE interface 2	CN7	Power switch	JP4
Reset switch	J1	32-bit PCI slots	PC1 - PC4
Green PC switch	J2	Cache slot	SL1
Green PC LED	J3		

### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP1	Open
	CMOS memory clear	JP1	Closed
	5V Flash EPROM enabled	JP2	Pins 2 & 3 closed
	12V Flash EPROM enabled	JP2	Pins 1 & 2 closed

### SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36

64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36
<p>Note: Board supports EDO memory.  Note: If any memory is placed in the DIMM socket, SIMM Bank 0 must be left empty.</p>		

<b>DIMM CONFIGURATION</b>	
<b>Size</b>	<b>Bank 0</b>
8MB	(1) 1M x 64
16MB	(1) 2M x 64
32MB	(1) 4M x 64
64MB	(1) 8M x 64
128MB	(1) 16M x 64
256MB	(1) 32M x 64
<p>Note: Board supports SDRAM memory.  Note: If any memory is placed in the DIMM socket, SIMM Bank 0 must be left empty.</p>	

<b>CACHE CONFIGURATION</b>		
<b>Size</b>	<b>SL1</b>	<b>TAG</b>
256KB	Not Installed	8KB x 8, 16KB x 8 or 32KB x 8
512KB	256KB SRAM	8KB x 8, 16KB x 8 or 32KB x 8

<b>CPU SPEED SELECTION (PENTIUM)</b>					
<b>Speed</b>	<b>JP11</b>	<b>JP12</b>	<b>S1</b>	<b>S2</b>	<b>S3</b>
75MHz	1 & 2	1 & 2	Closed	Closed	Open

90MHz	1 & 2	1 & 2	Closed	Open	Open
100MHz	1 & 2	1 & 2	Open	Open	Open
120MHz	2 & 3	1 & 2	Closed	Open	Open
133MHz	2 & 3	1 & 2	Open	Open	Open
150MHz	2 & 3	2 & 3	Closed	Open	Open
166MHz	2 & 3	2 & 3	Open	Open	Open
200MHz	1 & 2	2 & 3	Open	Open	Open

Note: Designated pins should be in the closed position.

### CPU SPEED SELECTION (AM K5)

Speed	JP11	JP12	S1	S2	S3
75MHz	1 & 2	1 & 2	Closed	Closed	Open
90MHz	1 & 2	1 & 2	Closed	Open	Open
100MHz	1 & 2	1 & 2	Open	Open	Open
120MHz	1 & 2	1 & 2	Closed	Open	Open
133MHz	1 & 2	1 & 2	Open	Open	Open
150MHz	1 & 2	1 & 2	Open	Open	Open
166MHz	2 & 3	2 & 3	Open	Open	Open

Note: Designated pins should be in the closed position.

### CPU SPEED SELECTION (CX 6X86)

Speed	JP11	JP12	S1	S2	S3
120MHz	2 & 3	1 & 2	Closed	Closed	Open
133MHz	2 & 3	1 & 2	Open	Closed	Open
150MHz	2 & 3	1 & 2	Closed	Open	Open
166MHz	2 & 3	1 & 2	Open	Open	Open
200MHz	2 & 3	1 & 2	Open	Open	Closed

Note: Designated pins should be in the closed position.

**CPU VOLTAGE SELECTION (SINGLE)**

<b>Voltage</b>	<b>JP8</b>	<b>S4</b>	<b>S5</b>	<b>S6</b>
3.4V	Closed	Closed	Closed	Closed
3.5V	Open	Closed	Closed	Closed

**CPU VOLTAGE SELECTION (DUAL)**

<b>Voltage</b>	<b>JP8</b>	<b>S4</b>	<b>S5</b>	<b>S6</b>
3.4V/2.8V	Closed	Open	Open	Open

**DRAM VOLTAGE SELECTION**

<b>Voltage</b>	<b>S7</b>	<b>S8</b>
5V	Pins 1 & 2 closed	Pins 1 & 2 closed
3.3V	Pins 2 & 3 closed	Pins 2 & 3 closed