DTK COMPUTER, INC.

PAM-0073I (VER. 1.00)

Configuration

35578

JP3

J1

BIOS

PC1

JP4

PC2

SW1

PC3

PC4

BANK 0

JP11

BANK 1

J6

J7

DIMM

J9

JP8

AMP

CN2

TAG

ATX

CN1

CPU

CN3

JP10

2

CN4

CN5

BANK 0

CN6

CACHE

2

JP13

2

JP9

JP12
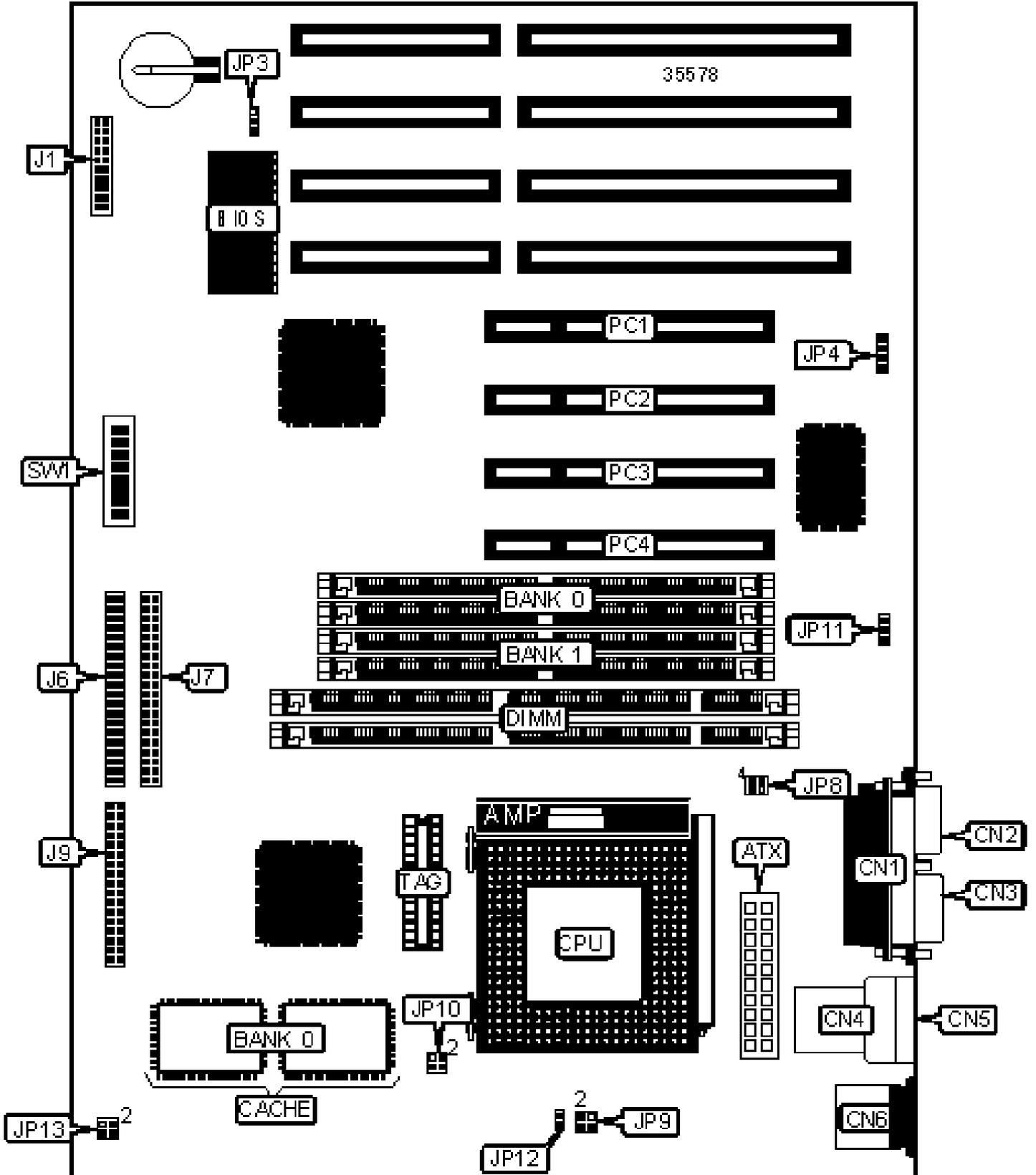
CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Reset switch	J1/pins 9 & 10
Parallel port	CN1	Power LED & keylock	J1/pins 11 - 15
Serial port 2	CN2	Speaker	J1/pins 17 - 20
Serial port 1	CN3	IDE interface 1	J6
USB connector 1	CN4	IDE interface 2	J7
USB connector 2	CN5	Floppy drive interface	J9
PS/2 mouse port	CN6	IR connector	JP4
IDE interface LED	J1/pins 1 & 2	32-bit PCI slots	PCI – PC4
Power button	J1/pins 5 & 6		

USER CONFIGURABLE SETTINGS

	Function	Label	Position
	Flash BIOS voltage select 12v	JP3	Pins 1 & 2 closed
	Flash BIOS voltage select 5v	JP3	Pins 2 & 3 closed
	Ring in select COM1	JP11	Pins 1 & 2 closed
	Ring in select COM2	JP11	Pins 2 & 3 closed

DRAM CONFIGURATION

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

32MB	(2) 2M x 32	(2) 2M x 32
40MB	(2) 4M x 32	(2) 1M x 32
48MB	(2) 4M x 32	(2) 2M x 32
64MB	(2) 8M x 32	None
64MB	(2) 4M x 32	(2) 4M x 32
72MB	(2) 8M x 32	(2) 1M x 32
80MB	(2) 8M x 32	(2) 2M x 32
96MB	(2) 8M x 32	(2) 4M x 32
128MB	(2) 8M x 32	(2) 8M x 32
128MB	(2) 16M x 32	None
136MB	(2) 16M x 32	(2) 1M x 32
144MB	(2) 16M x 32	(2) 2M x 32
160MB	(2) 16M x 32	(2) 4M x 32
192MB	(2) 16M x 32	(2) 8M x 32
256MB	(2) 16M x 32	(2) 16M x 32
Note: Board accepts EDO memory.		

DIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64

48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64

CACHE CONFIGURATION

Size	Bank 0	TAG
256KB	(2) 32K x 32	Unidentified
512KB	(2) 64K x 32	Unidentified

CPU SPEED SELECTION (CX 6X86)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
133MHz	55MHz	2x	Off	On	On	Off
150MHz	60MHz	2x	Off	On	On	Off
166MHz	66MHz	2x	Off	On	On	Off
200MHz	66MHz	3x	Off	On	Off	On

CPU SPEED SELECTION (CX 6X86, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
133MHz	55MHz	2x	Off	On	On	Off
150MHz	60MHz	2x	Off	On	Off	Off
166MHz	66MHz	2x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off

CPU SPEED SELECTION (CX 6X86L)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
200MHz	75MHz	2x	Off	On	On	Off

CPU SPEED SELECTION (CX 6X86L, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
200MHz	75MHz	2x	Off	Off	On	Off

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	On	Off	Off
120MHz	60MHz	1.5x	Off	On	Off	Off
133MHz	66MHz	2x	Off	On	On	Off
150MHz	60MHz	1.5x	Off	On	Off	Off
166MHz	66MHz	2.5x	Off	On	On	On

CPU SPEED SELECTION (AM K5, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	1.5x	Off	On	Off	Off
133MHz	66MHz	2x	Off	Off	Off	Off
150MHz	60MHz	1.5x	Off	Off	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	Off

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	On
233MHz	66MHz	3.5x	Off	On	Off	Off

CPU SPEED SELECTION (AM K6, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	On	Off	Off
120MHz	60MHz	2x	Off	On	On	Off
133MHz	66MHz	2x	Off	On	On	Off
150MHz	60MHz	2.5x	Off	On	On	On
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	On
233MHz	66MHz	3.5x	Off	On	Off	Off

CPU SPEED SELECTION (INTEL, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8

90MHz	60MHz	1.5x	Off	On	Off	Off
100MHz	66MHz	1.5x	Off	Off	Off	Off
120MHz	60MHz	2x	Off	On	Off	Off
133MHz	66MHz	2x	Off	Off	Off	Off
150MHz	60MHz	2.5x	Off	On	Off	Off
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	SW1/1	SW1/2	SW1/3	SW1/4
166MHz	66MHz	2.5x	Off	On	On	On
200MHz	66MHz	3x	Off	On	Off	On
233MHz	66MHz	3.5x	Off	On	Off	Off

CPU SPEED SELECTION (INTEL MMX, CON'T)

CPU speed	Clock speed	Multiplier	SW1/5	SW1/6	SW1/7	SW1/8
166MHz	66MHz	2.5x	Off	Off	Off	Off
200MHz	66MHz	3x	Off	Off	Off	Off
233MHz	66MHz	3.5x	Off	Off	Off	Off

CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP8	JP9	JP12	JP10	JP13
3.3v	1 & 2, 3 & 4	Open	Open	Open	Open

Note: Pins designated should be in the closed position.

CPU VOLTAGE SELECTION (DUAL)						
V i/O	V core	JP8	JP9	JP12	JP10	JP13
3.3v	2.8v	Open	Open	Open	Open	1 & 3, 2 & 4
3.3v	2.9v	Open	1 & 2	Open	Open	1 & 3, 2 & 4
3.3v	3.2v	Open	1 & 2	Closed	Open	1 & 3, 2 & 4

Note: Pins designated should be in the closed position.