

DTK Computers

Technical Information Sheet for PEM2501/3301/4001

S=shorted, 0=open

DIP switch 1=on 0=off

Utility Diskette is UTILDSK4.1_0

Uses 32bit Memory Board PEI-306

Total 32bit memory SW1 1,2,3

MB	1	2	3
1,2	1	1	1
3,4	1	1	0
5,6	0	1	1
7,8	0	1	0
9,10,11,12	0	0	1
13,14,15,16	0	0	0

MotherBoard Total Memory SW1 4,5

4	5	Memory Bank 0	Bank 1
1	1	2MB	1MB
1	0	4MB	4MB
0	1	5MB	1MB
0	0	8MB	4MB

Video Selection SW1 6

SW1-6	Selection
1	Color
0	Monochrome

J1:Keyboard lock

<1> Power LED
<2> Key
<3> Ground
<4> Keyboard inhibit
<5> Ground

J2:Turbo LED

<1> +5V
<2> Indicate pin

J3:Reset Switch

<1> Hardware Reset
<2> Ground

J4:Speaker connector

<1> Data out
<2> N.C.
<3> Ground
<4> Vcc

W1:Coprocessor Select

S Not Installed
0 Installed

W2:Bank 0 DRAM Type

1-2 S 1mBIT
2-3 S 256kbit

W3:Bank 1 DRAM type

1-2 S 1Mbit
2-3 S 256kbit

W4&W5:Cache RAM Size

1-2 S 64kb (10 16kx4 SRAM)
2-3 S 256kb (10 64kx4 SRAM)

J5:Turbo Switch Connector

1-2 S Normal
2-3 S Keyboard Control
No Cap 25 MHz always

W7:BIOS Rom Size

1-2 S 64k (27256x2)
2-3 S 128k (27512x2)

RAM Installation

RAM Size	DRAM Type	Bank 0	Bank1
1MB	256Kbitx4 SIMM		none
2MB	256Kbitx4 SIMM		256Kbitx4 SIMM
4MB	1Mbitx4 SIMM		none
5MB	256Kbitx4 SIMM		1Mbitx4 SIMM
8MB	1Mbitx4 SIMM		1Mbitx4 SIMM

J8:Power Connector

<1> Power Good
<2> +5VDC
<3> +12VDC
<4> -12VDC
<5> Ground
<6> Ground

<7> Ground
<8> Ground
<9> -5VDC
<10> +5VDC
<11> +5VDC
<12> +5VDC