

DTK Computers

Technical Information Sheet for PEM2035

S=shorted, 0=open

DIP switch 1=on 0=off

Utility Diskette is UTILDSK3.1_0

Uses 32bit Memory Board PEI-306

Total Memory	M/B Jumper	SW1	32-bit Memory	Starting Address of AT Bus RAM Card
1MB	W1 2-3	1 1 1 1	2MB	260000h
2MB	2-3	1 0 1 1	4MB	460000h
4MB	1-2	0 1 1 0	8MB	860000h
			16MB	none

W1:RAM Type

1-2 S 1MB SIMMS
2-3 S 256/512 SIMMS

W2:16-bit I/O Wait State

1-2 S One WS
2-3 S Two WS

W3:8-bit I/O Wait State

1-2 S 4 WS
2-3 S 5 WS

W4:Turbo Switch Connector

1-2 S 8 Mhz
2-3 S Keyboard Control
No Cap 20 MHz always

W5:Turbo LED

<1> Ground
<2> Turbo LED
<3> Ground

W6:Video Select

1-2 S Monochrome
2-3 S Color

W7:Math Coprocessor Select

<1> Power LED

<2> Key
<3> Ground
<4> Keyboard inhibit
<5> Ground

J1:Keyboard lock

1-2 S Installed
2-3 S Not Installed

J3:Speaker connector

<1> Speaker
<2> N.C.
<3> Ground
<4> Vcc

J2:Reset Switch

<1> Hardware Reset
<2> Ground

SW1:Total Memory

3	4	Memory Size
1	1	<= 2MB
1	0	<= 4MB
0	1	<= 8MB
0	0	<=16MB

J2: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

RAM Installation

Size	DRAM Type
1MB	256Kbitx4 SIP
2MB	512Kbitx4 SIP
4MB	1Mbitx4 SIP