

DTK Computers

Technical Information Sheet for PEM1600

S=shorted, 0=open

DIP switch 1=on 0=off

Utility Diskette is UTILDSK3.1_0

Uses 32bit Memory board PEI-301

SW1:1	2	3	4	5	6	7	8	9	10	Function
0	+	+	+	+	+	+	+	+	+	COM1=Enabled
1	+	+	+	+	+	+	+	+	+	COM1=Disabled
0	+	+	+	+	+	+	+	+	+	COM2=Enabled
1	+	+	+	+	+	+	+	+	+	COM2=Disabled
0	+	+	+	+	+	+	+	+	+	LPT =Enabled
1	+	+	+	+	+	+	+	+	+	LPT =Disabled
0	+	+	+	+	+	+	+	+	+	LPT =LPT1
1	+	+	+	+	+	+	+	+	+	LPT =LPT2
				1	0	+	+	+	+	COM1=IRQ4
				0	1	+	+	+	+	COM1=IRQ3
						1	0	+	+	COM2=IRQ4
						0	1	+	+	COM2=IRQ3
							1	0		LPT =IRQ7
							0	1		LPT =IRQ5

W1:Reset Switch

- <1> Hardware Reset
- <2> Ground

W3:16-bit I/O Wait State

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

W4:8-bit I/O Wait State

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

W6:Battery Connector

- <1> 6 VDC
- <2> Not used
- <3> Ground
- <4> Ground

W7:Speaker connector

- <1> Data out
- <2> Key
- <3> Ground
- <4> VCC

W8:Video Select

- 1-2 S Monochrome
- 2-3 S Color

W10:Turbo Switch Connector

- 1-2 Hardware Switch
- 2-3 S Keyboard Control
- No Cap 16 MHz always

W11:Keyboard lock

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

W12:Turbo LED

- <1> Ground
- <2> LED power
- <3> Ground

W20:Math Coprocessor Select

- 1-2 S Installed
- 2-3 S Not Installed

J2:Power Connector

- <1> +5VDC
- <2> +5VDC

- <7> Ground
- <8> Ground

<3> +5VDC
<4> -5VDC
<5> Ground
<6> Ground

<9> -12VDC
<10> +12VDC
<11> +5VDC
<12> Power Good