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S=shorted, 0=open

DIP switch 1=on 0=off

J1:Hardware Reset

<1> Ground
<2> Reset

J2:Speaker

<1> +5 VDC
<2> Speaker Output

J3:Battery connector

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

J6:Keyboard Lock

<1> System power LED
<2> Not used
<3> Ground
<4> Keyboard inhibit
<5> Ground

J7:Power Connector

<1> Power Good	<7> Ground
<2> +5 VDC	<8> Ground
<3> +12 VDC	<9> -5 VDC
<4> -12 VDC	<10> +5 VDC
<5> Ground	<11> +5 VDC
<6> Ground	<12> +5 VDC

W1:Coprocessor clock

1-2 S set by W2
2-3 S set by W2/3

J5:Turbo LED

<1> Select pin
<2> Ground

W2:Coprocessor clock speed

1-2 S 14 MHz selected
3-4 S 7 MHz selected
5-6 S 32 MHz selected

Coprocessor used W1 W2

287-6	2-3S 1-2S
287-8	1-2S 3-4S
287-10	2-3S 5-6S

W3:Wait State

S Zero wait state
0 One wait state

W4:BIOS prom wait state

S One wait state (150ns)
0 Two wait state (200ns)

W5:Access time

Pins	1-2	3-4	5-6	7-8	9-10	DRAM	Speed
	S	S	S	S	S	120ns	12MHz/1ws
	S	S	S	S	0	100ns	16MHz/1ws
	S	S	S	0	0	80ns	12MHz/0ws
	0	0	0	0	0	60ns	16MHz/0ws

RAM installation

W6	W7	RAM
S	S	512/0
S	0	640/0
0	S	640/384

W8:ROM size

2-3	S	32k (27128x2)
1-2	S	64k (27256x2)

W9:Battery installed

S ON-board battery
0 External battery

W10:Display installation
1-2 S Monochrome
2-3 S Color

W11:Hardware Turbo Switch
<1> Select pin
<2> Ground

DTK Computers

Technical Information Sheet for PTM1630

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RAM Installation

RAM SIZE	DRAM Type			
Base/Ext	Bank 0	Bank1	W6	W7
512k/0	41256x18	none	S	S
640k/0	41256x18	4164x18	S	0
640/384	41256x18	41256x18	0	S