

t=0x0444e670 [0,0]

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- <http://sparktronics.blogspot.de/2008/05/synaptics-t1004-based-touchpad-to-ps2.html>
- <http://www.plastibots.com/index.php/2011/03/23/dual-led-desk-light-controller-arduino/>

chip pinout

```

9-scroll down~
8-scroll up~
7-left click~
6-right click~
5-
4-
3-clk
2-data
1-
o <- dot on chip
44444
45678
| | | | |
| |
|+-GND
+5V

```

T1004 920-000191-03RevA

connector pinout

t=0x9451658

1	5V	T20, T22	0x9451978 [0,2]
2	DATA		0x9451ca8 [1,2]
3	CLK		0x9451fc8 [2,2]
4	RIGHT CLICK	T4	0x9452358 [3,2]
5	LEFT CLICK	T6	0x9452688 [4,2]
6	GND	T11, T10	0x9452968 [5,2]
7	SCROLL UP	T5	0x9452ce8 [6,2]
8	SCROLL DOWN		0x9453018 [7,2]

N32N LS-734

Additional U shaped board from Compaq laptop with buttons on it

JP4 - to synaptics touch pad

JP1 - to motherboard

t=0x9453a00

1	red	5V	[0, 2]
2	green	5V	[1, 2]
3	yellow	switch SW5	[2, 2]
4	blue	LED D1	[3, 2]
5	gray	GND	[4, 2]
6	pink	DATA	[5, 2]
7	cyan	CLK	[6, 2]
8	purple	GND	[7, 2]

Connecting to PS2 port demo: <https://youtu.be/78CuKT-gVV4>

T1006 920-000489-01RevA

HP laptop

connector pinout

t=0x9455930

1	5V	T20, T22 (after R470)	[0, 2]
2	DATA	T11	[1, 2]
3	CLK	T10	[2, 2]
4	GND	T23, T30	[3, 2]
5			[4, 2]
6		PIN4	[5, 2]
7			[6, 2]
8		PIN5	[7, 2]

test points:

T20 - 5V - R470 - T22

T23, T30 - GND

T11 - data

T10 - clk

T7 - left

T6 - right

T4 - up

T5 - down

T1006 920-000565-01 RevA

t61p, has flex cable for connector

JP1

1	GND	T22 - R470 - T20 - pin 44
2	GND	
3	GND	
4	GND	
5	GND	
6	GND	
7	GND	
8	5V	T22 - R470 - T20 - pin 44
9		
10	CLK	T11, pin 3
11	DATA	T10, pin 2
12	GND	
13		