

Configuration and Security bits

ATMega8 PonyProg configuration bits

☐ 7 ☐ 6 ☐ BootLock12 ☐ BootLock11 ☐ BootLock02 ☐ BootLock01 ☐ Lock2 ☐ Lock1

☐ RSTDISBL ☐ WDTON ☒ SPIEN ☐ CKOPT ☐ EESAVE ☐ BOOTSZ1 ☐ BOOTSZ0 ☐ BOOTRST

☐ BODLEVEL ☐ BODEN ☐ SUT1 ☐ SUT0 ☐ CKSEL3 ☐ CKSEL2 ☐ CKSEL1 ☐ CKSEL0

☒ Checked items means programmed (bit = 0)

☐ UnChecked items means unprogrammed (bit = 1)

Refer to device datasheet, please

Cancel

OK

Clear All

Set All

Write

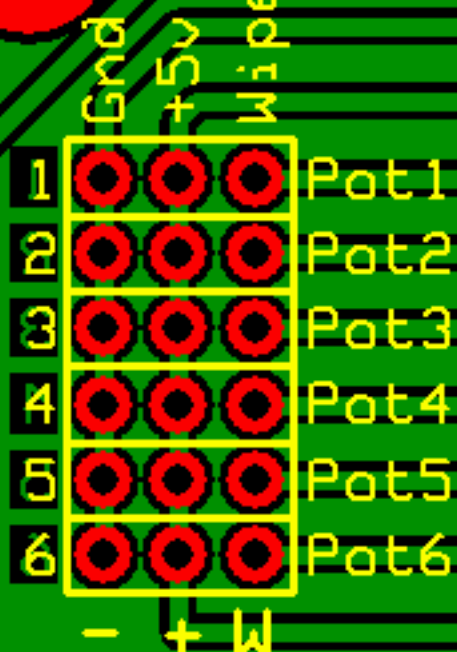
Read

AVR USB Joystick PCB

AVR USB Joystick PCB
by TronicGr

ab.yot6lumi2-X.www
www.X-Simulator.de

Analog Potentiometers



ISP connector

6	Ground
5	
4	PC6 Reset
3	PB5 CSK
2	PB4 MISO
1	PB3 MOSI

Potentiometers
range: 10K - 100K

ATMEGA8-16PI



Button
Matrix

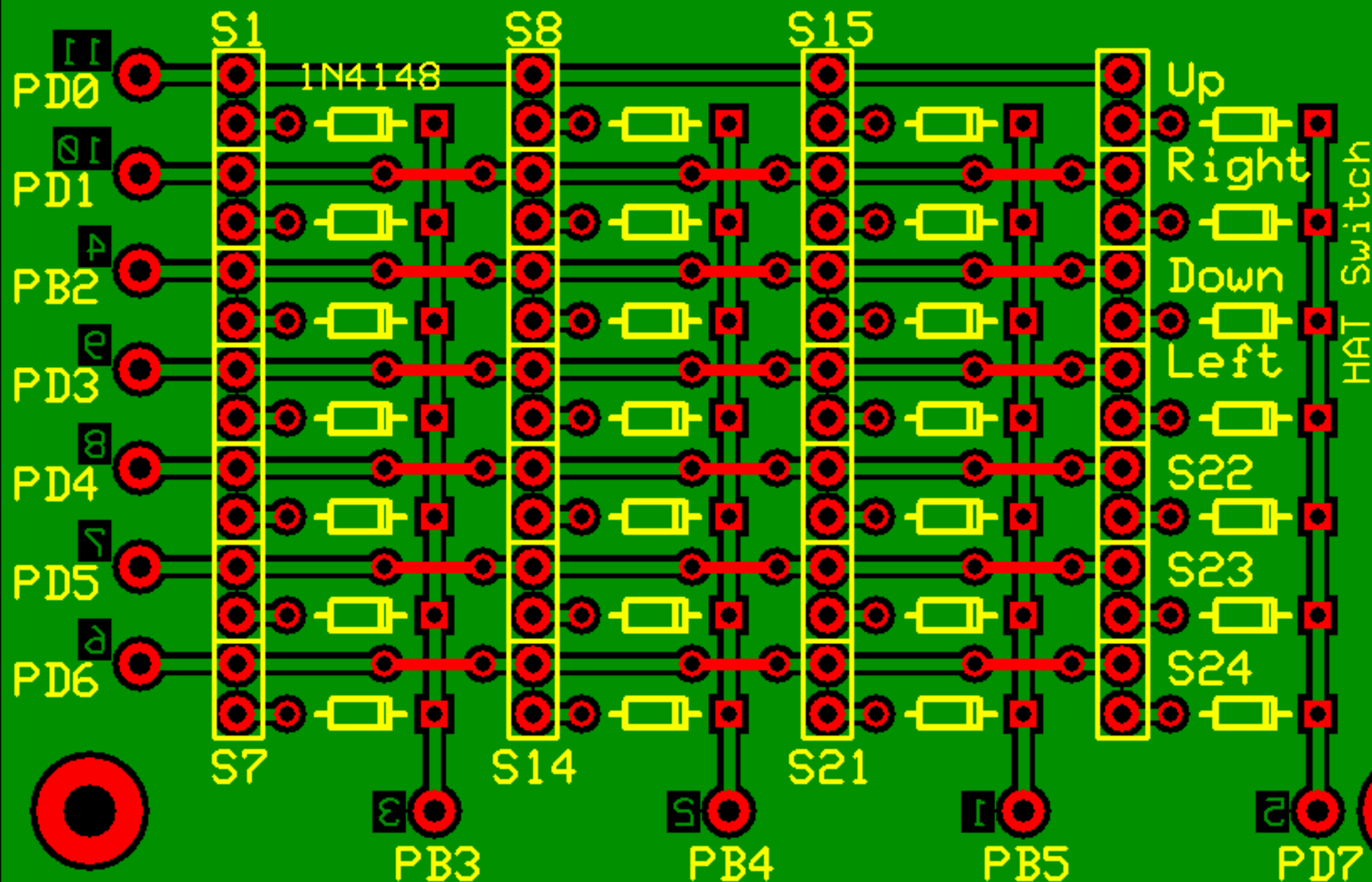
USB PORT

Last update 02-01-2008

AVR USB Joystick Button Matrix PCB by TronicGr

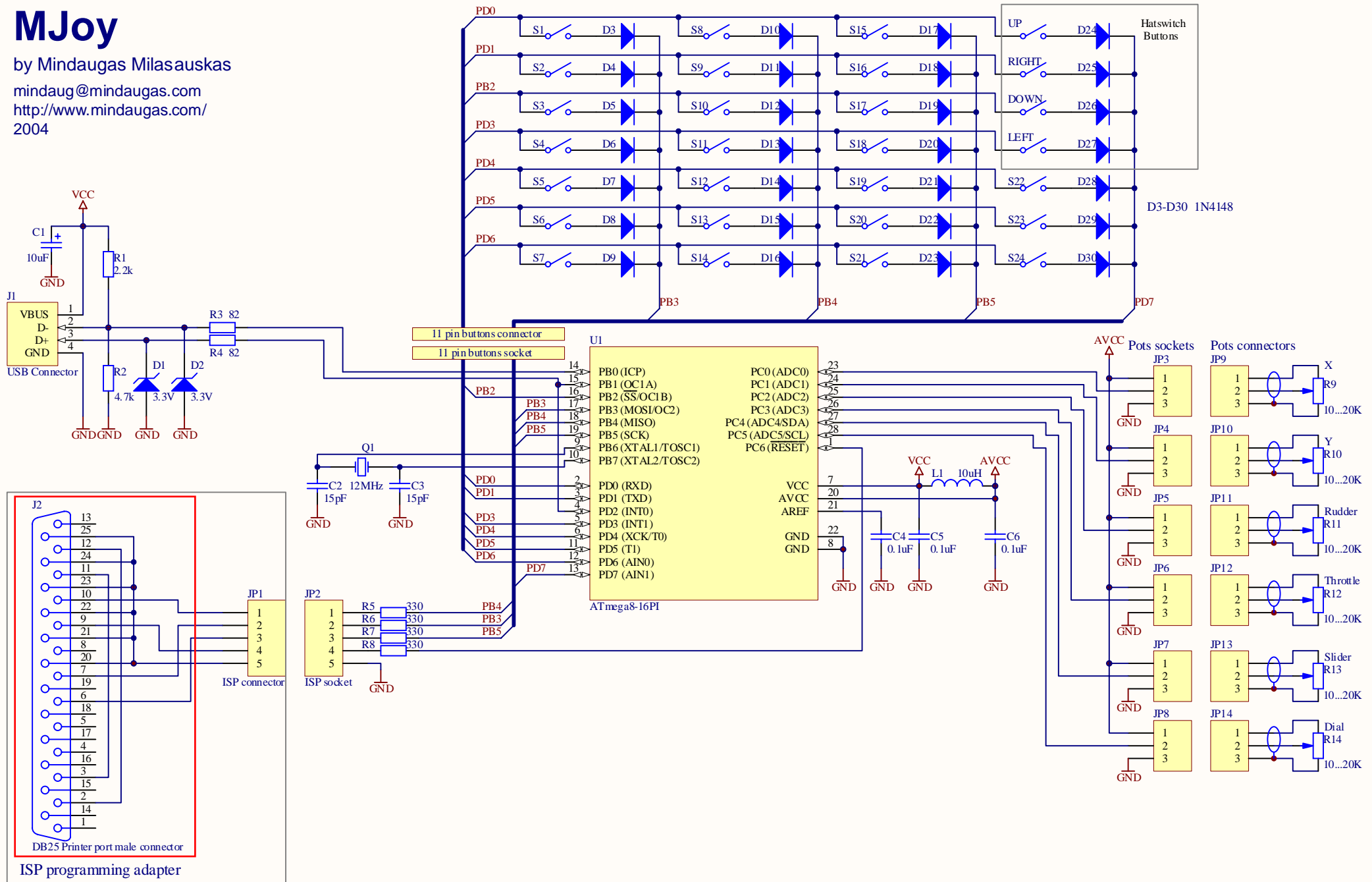
AVR USB Joystick Button Matrix PCB by TronicGr

<S>



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MJoy schematic version 1.4 Parts List

Component	Value	Quantity	Designator	Remarks
Microcontroller	ATMEGA8-16PI	1	U1	
Crystal Oscillator	12MHz	1	Q1	
Zener diode	1N4733	2	D1, D2	May be any 3.3V zener diode.
Diode	1N4148	28	D3-D30	May be any low power silicon diode.
Resistor	2.2k	1	R1	
Resistor	4.7k	1	R2	
Resistor	82 Ohm	2	R3, R4	
Resistor	330 Ohm	4	R5-R8	
Potentiometer	10k	6	R9-R14	10k is recommended but potentiometer of any greater value up to 100k may be used.
Capacitor	10uF	1	C1	Polar capacitor.
Capacitor	15pF	2	C2, C3	
Capacitor	0.1uF	3	C4-C6	
Inductor	10uH	1	L1	Or some similar value. Can use a simple wire instead if inductor is not available.
Socket	USB type B	1	J1	May be omitted if USB cable is soldered directly into PCB.
Connector	DB-25 male	1	J2	
Socket+Connector	5-pin	1	JP1, JP2	Or some other pair with more than 5 pins.
Socket+Connector	3-pin	6	JP3-JP8	Or some other pair with more than 3 pins.
Socket+Connector	11-pin	1	-	If buttons are connected to PCB through socket any 11 or more pin socket/connector pair may be used.
Button	Pushbutton	24	S1-S24	
Hatswitch	Hatswitch	1	UP-LEFT	