

**Breadboard Serial Monitor
Bill of Materials**

Qty	Part ID	Part Description
1	U1	TPA joystick switch
1	U5	ATmega328PB TQFP
1	D1	SMT LED, green
1	D2	SMT LED, blue
1	D3	SMT LED, red
3	C6,C8,C14	0.1uF capacitor
1	C26	1.0uF capacitor
1	R1	10K Ohm resistor
1	R2	20K Ohm resistor
2	R3,R4	2K Ohm resistor
1	J1	128x32 OLED display
1	J2	10 pin header, right angle
1	J5	PS2 connector
1	J6	4 pin header, straight
1	PCB J913	Serial Monitor PCB
1	PCB J903	Keyboard adapter PCB