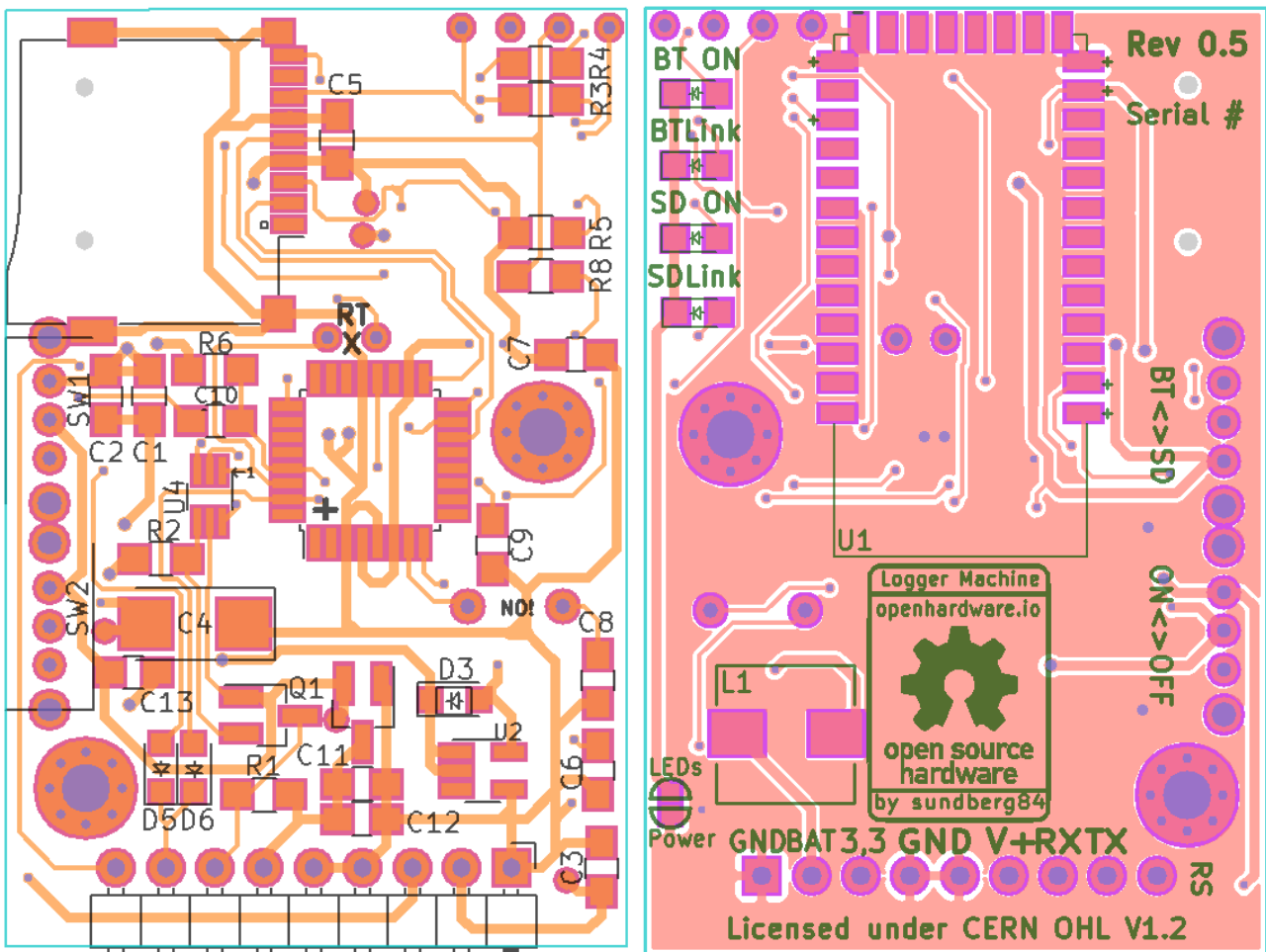


# Easy Logger Machine - The Serial Bug Killer!



## Rev 0.5

<p><b>Capacitors (0805 SMD)</b>            C1 – 0.1uF (Decoupling Cap BT)            C2 – 0.1uF (Decoupling Cap BT)            C3 – 10uF (Input DC-Stepup)            C4 – 68uF <i>Size: 6032TypeC</i> (DC-Stepup)            C5 – 0.1uF (Decoupling Cap SD Card)            C6 – 0.22pF (Oscillator)            C7 – 0.1uF (Decoupling Cap Atmega)            C8 – 0.22pF (Oscillator)            C9 – 0.1uF (Aref Atmega)            C10 – 0.1uF (Reset Atmega)            C11 – 1uF (Smoothing Cap 5to3.3 reg)            C12 – 10uF (Smoothing Cap 5to3.3 reg)            C13 – 1uF (Input Cap 5to3.3 reg)</p> <p>Leds Power – Short to allow status led.</p>	<p><b>Resistors (0805 SMD)</b>            R1 – 10k (Logic lvl conv)            R2 – 10k (Logic lvl conv)            R3 – 330 to 1K (LED BT Status)            R4 – 330 to 1K(LED BT Power)            R5 – 330 to 1K(LED SD Power)            R6 – 10k (Reset Atmega)            R8 – 330 to 1K(LED SD Status)</p> <p>L1 – 47uH <i>Size: 7x7mm</i></p> <p>IC1: Atmega328p-au            J1: SD card module</p> <p>U1: HC-06 Bluetooth module            U2: NCP1402 (Step up)            U3 – XC6206 (5 to 3.3v)            U4 – SN74LVC1G3157DCKR (SPDT Analog Switch)</p>	<p><b>Diodes</b>            D1 – LED BT Status (<i>0805</i>)            D2 – LED BT Power (<i>0805</i>)            D3 – Schottky Diode (<i>SOD323</i>)            D4 – LED SD/Atmega328p Power            D5 – Schottky Diode TX BT (<i>SOD323</i>)            D6 - Schottky Diode TX SD (<i>SOD323</i>)            D7 – LED SD/Atmega328p Status</p> <p>Y1: Crystal 16 mhz</p> <p>Q1 – BSS138 (Logic lvl conv)</p> <p>SW1/2 – SPDT Angle Slide Switch</p>
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