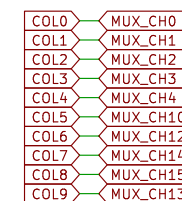
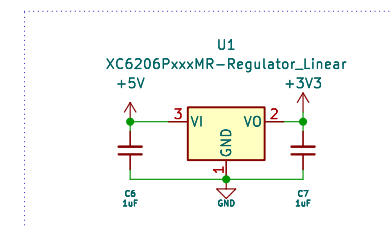
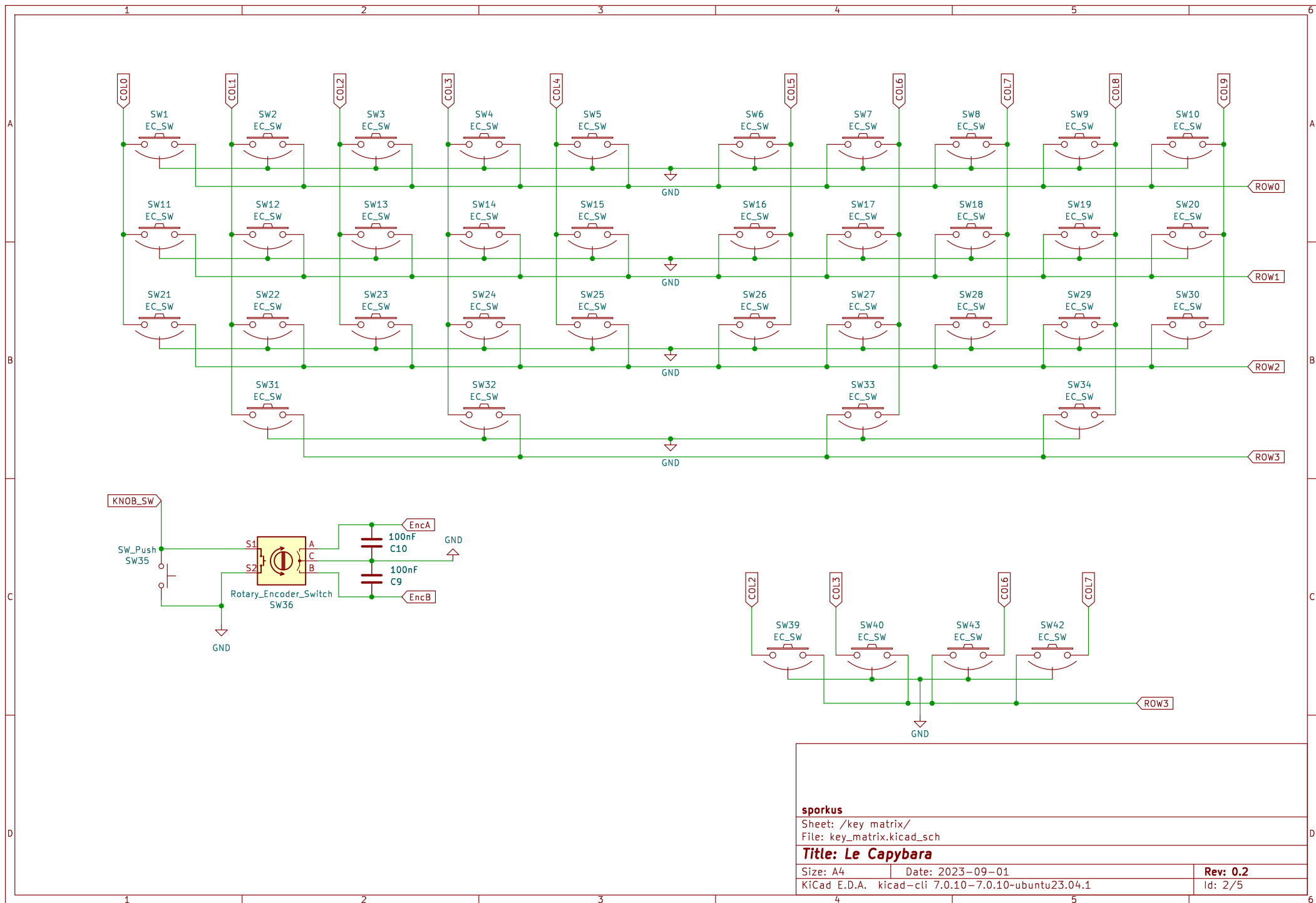


Energy	
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The schematic diagram illustrates the internal components and signal traces of a USB-C sink board. The USB-C connector is shown with pins A4 (VBUS), A5 (CC1), B5 (CC2), A7 (D-), B7 (D-), A6 (D+), B6 (D+), A8 (SBU1), and B8 (SBU2). The VBUS line is connected to a 5.1k resistor (R1) and a 5.1k resistor (R2) to GND, labeled "UFP pull down". The D- and D+ lines are connected to D_N and D_P respectively. The SBU1 and SBU2 lines are connected to A8 and B8, which are crossed. A shield is connected to GND. A 60R@100MHz inductor (L1) is connected to GND. A 5V supply is connected to the VBUS line through a fuse (F1, ASMD1206-150) and a 100nF capacitor (C12). The VBUS line is also connected to a USB-C connector (U3, PRTR5V0U2X) through a 4-layer PCB stack up. The USB-C connector is connected to the D- and D+ lines through a 4-layer PCB stack up. The D- and D+ lines are connected to the D_N and D_P respectively. The D- and D+ lines are connected to the D_N and D_P respectively. The D- and D+ lines are connected to the D_N and D_P respectively.



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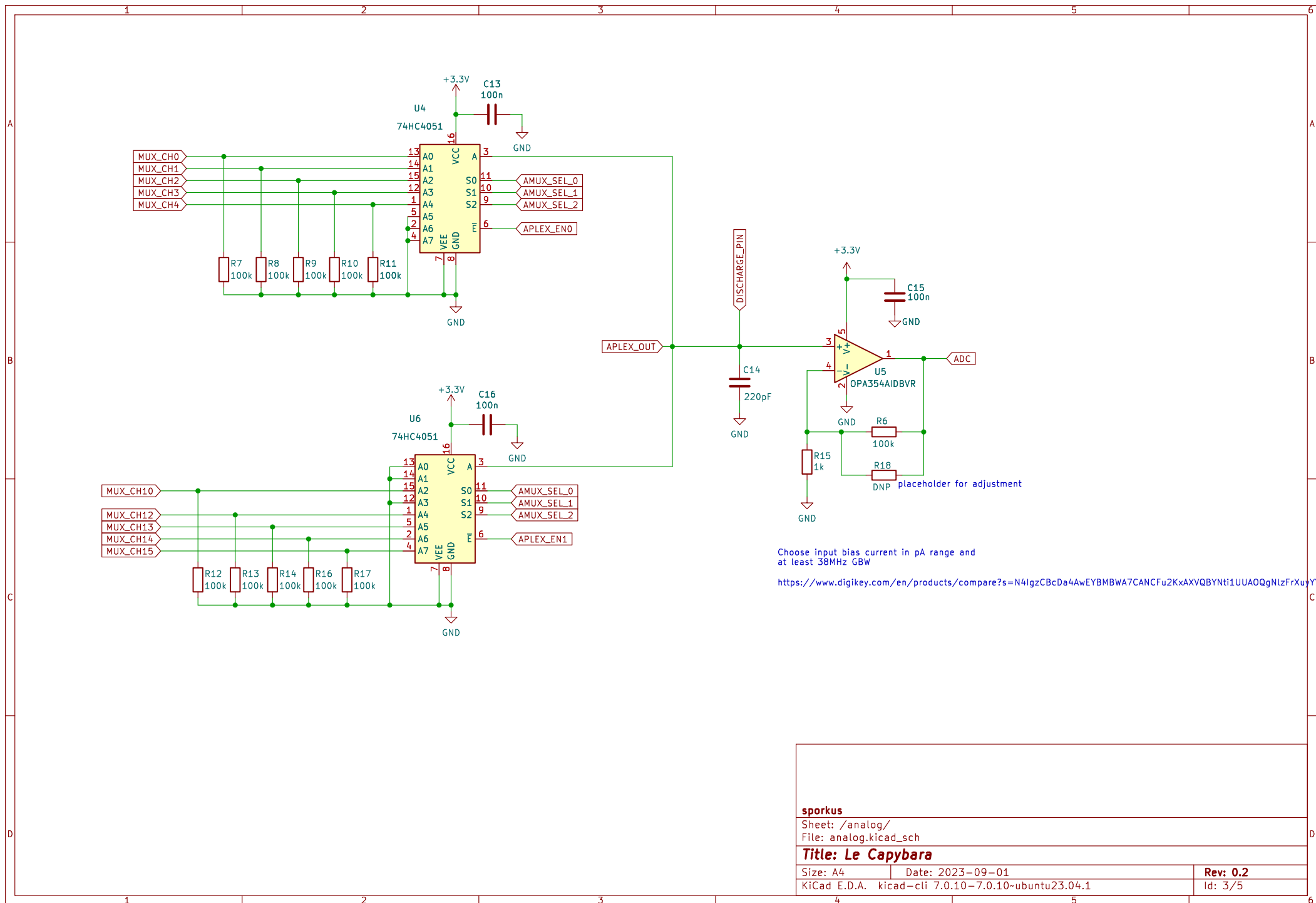
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Size: A4 Date: 2023-09-01
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu23.04.1

Rev: 0.2
Id: 2/5



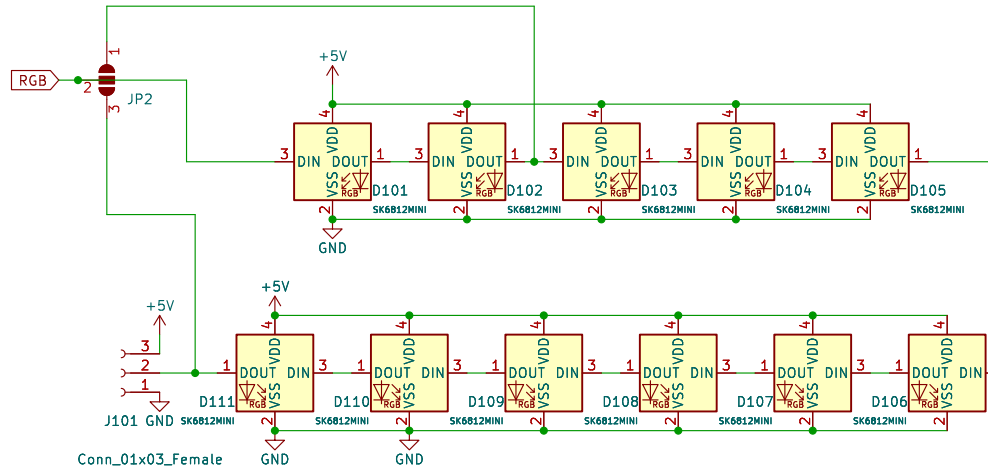
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Rev: 0.2
 Id: 3/5



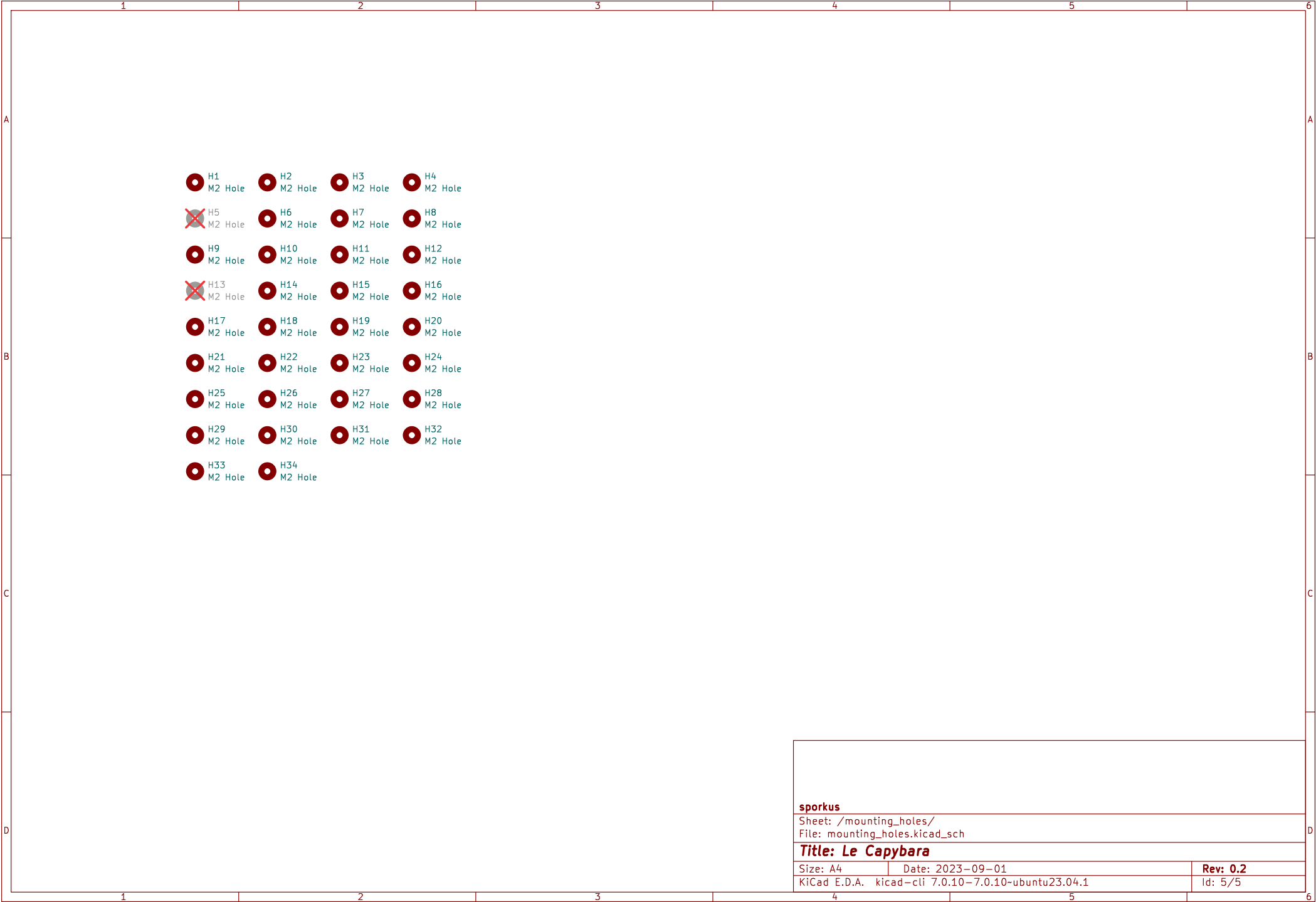
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Rev: 0.2
Id: 4/5



sporkus

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