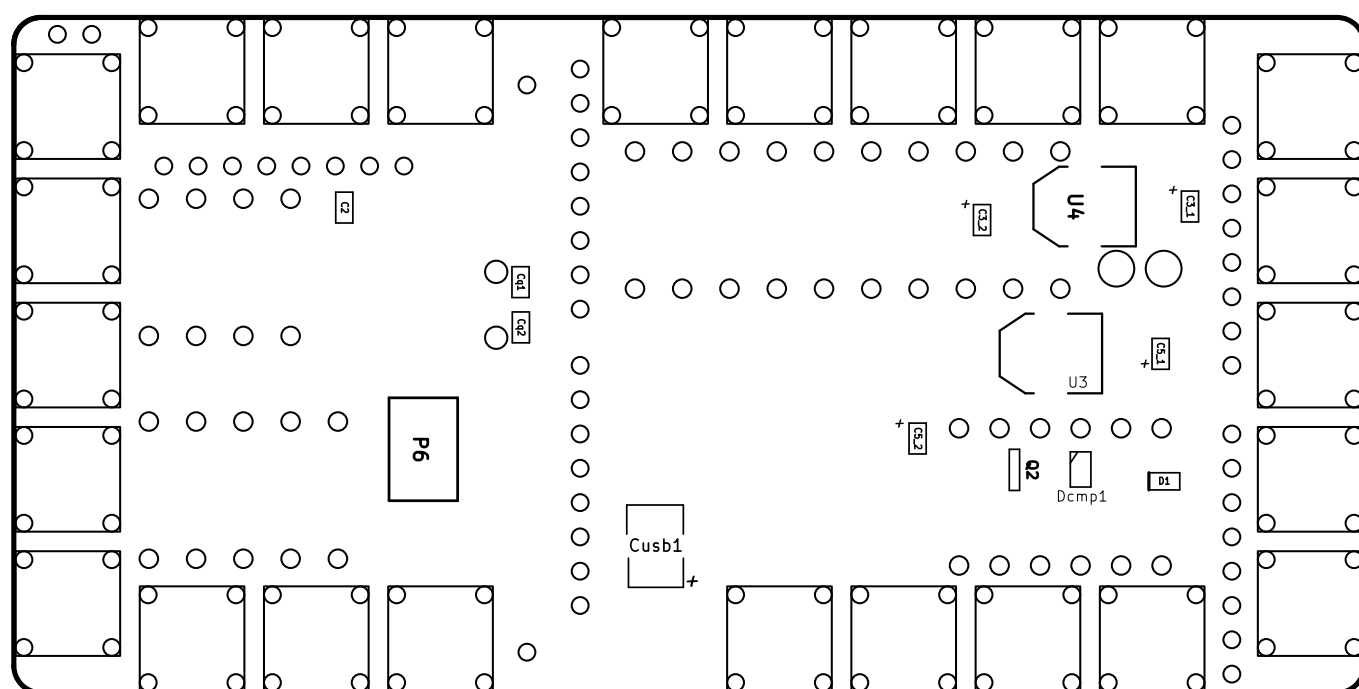
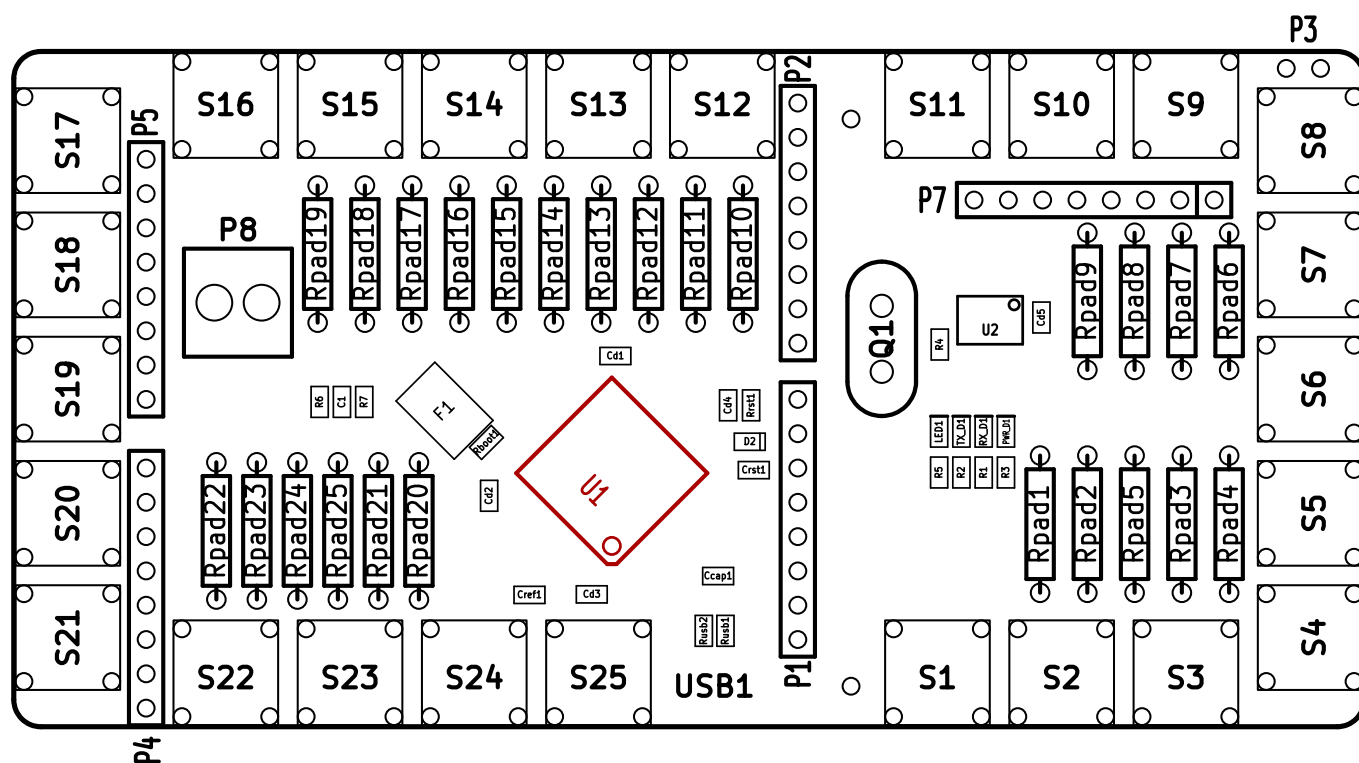


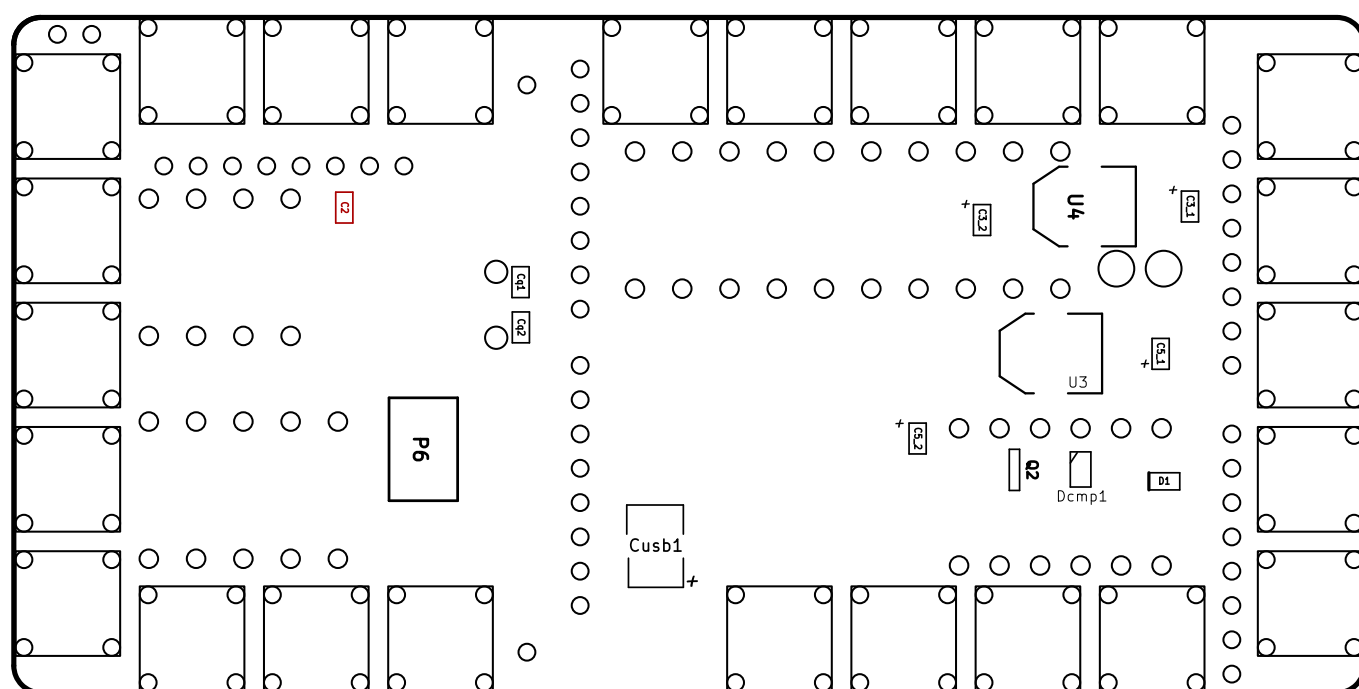
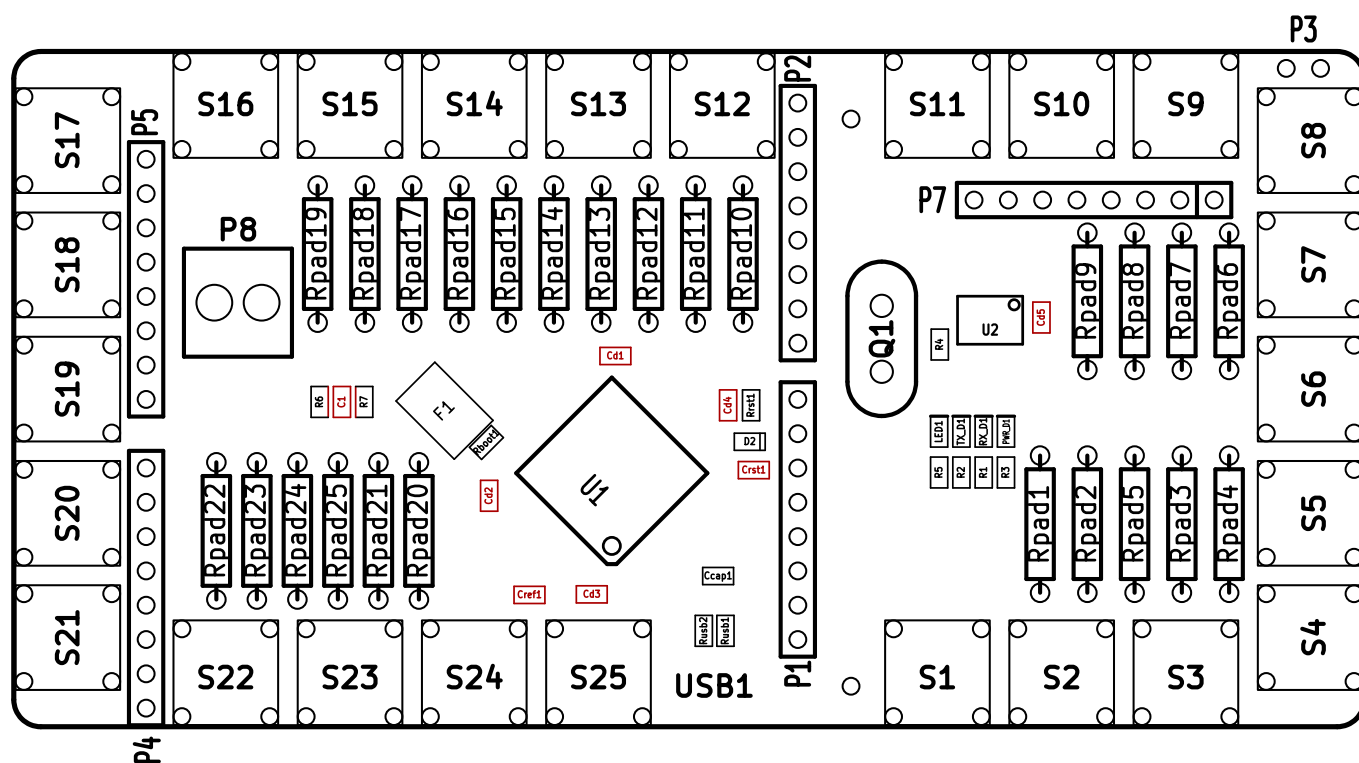
# Micro USB Connector

## x1

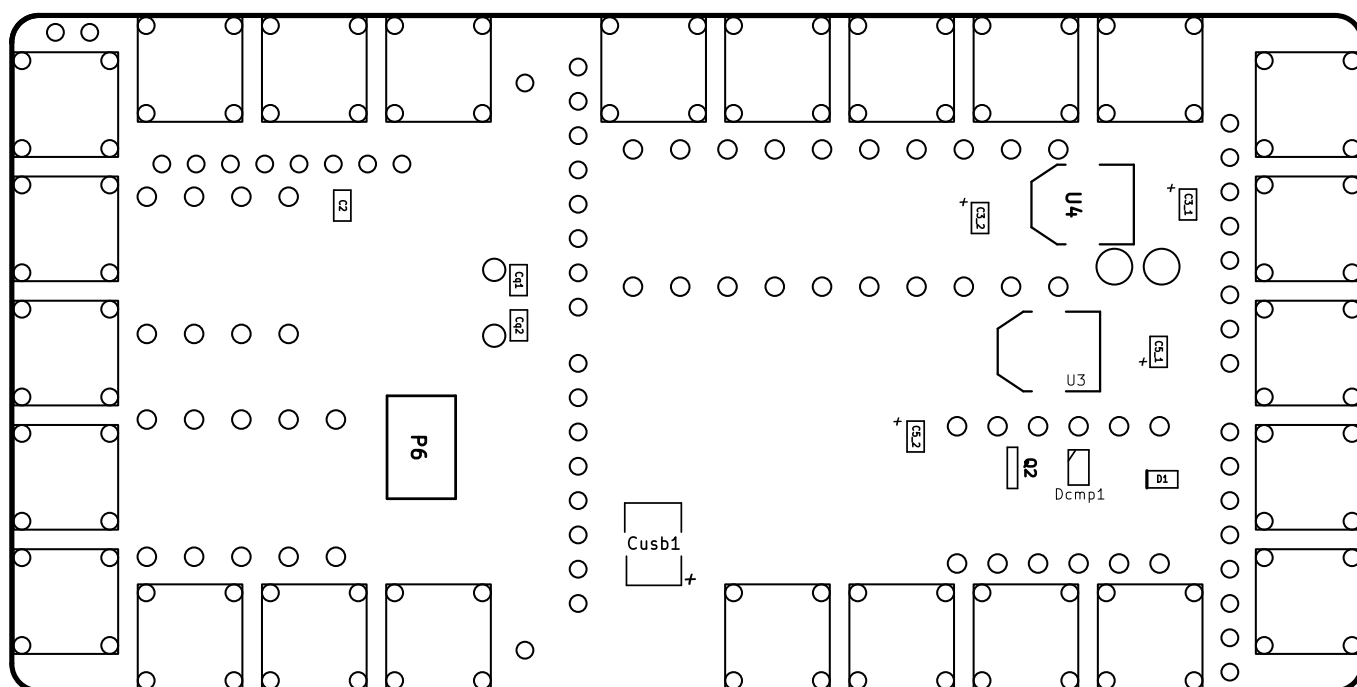
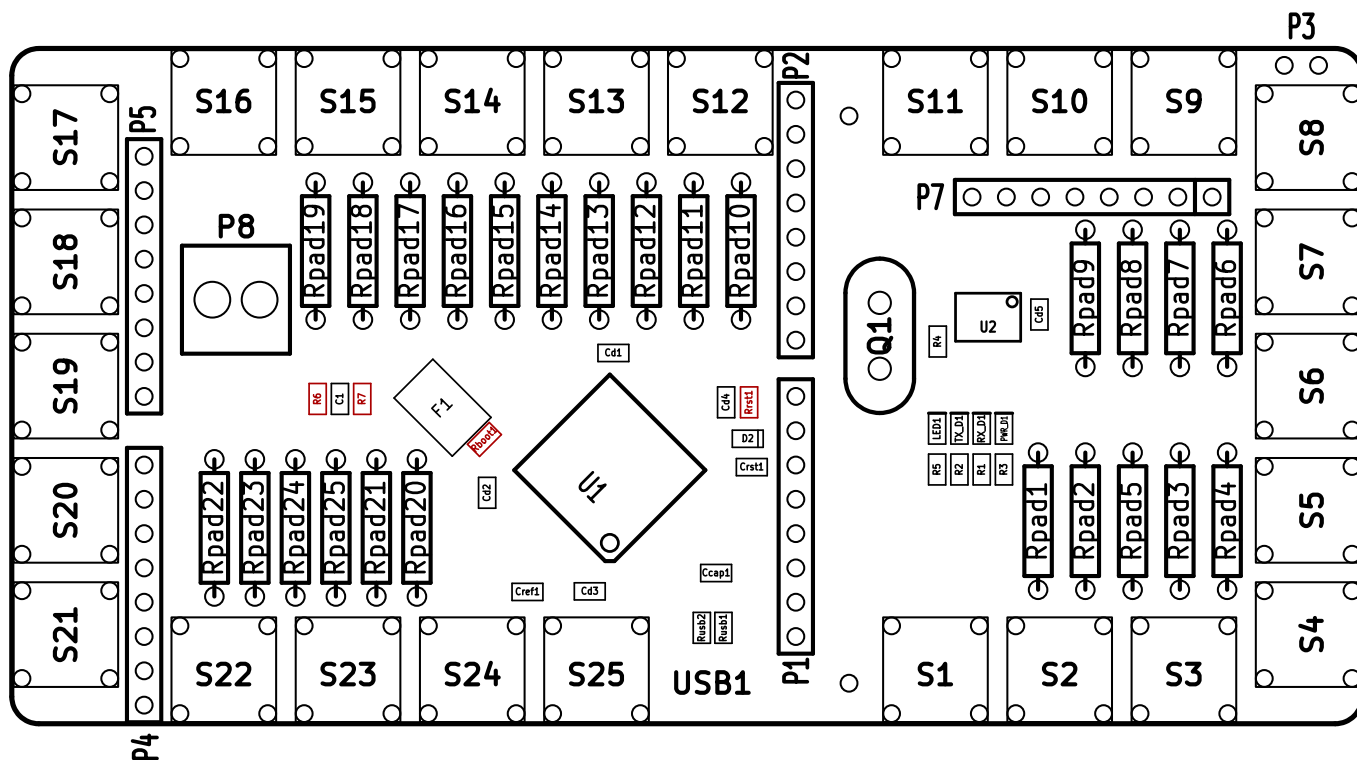


**Microcontroller**  
**x1 ATMEGA32U4**

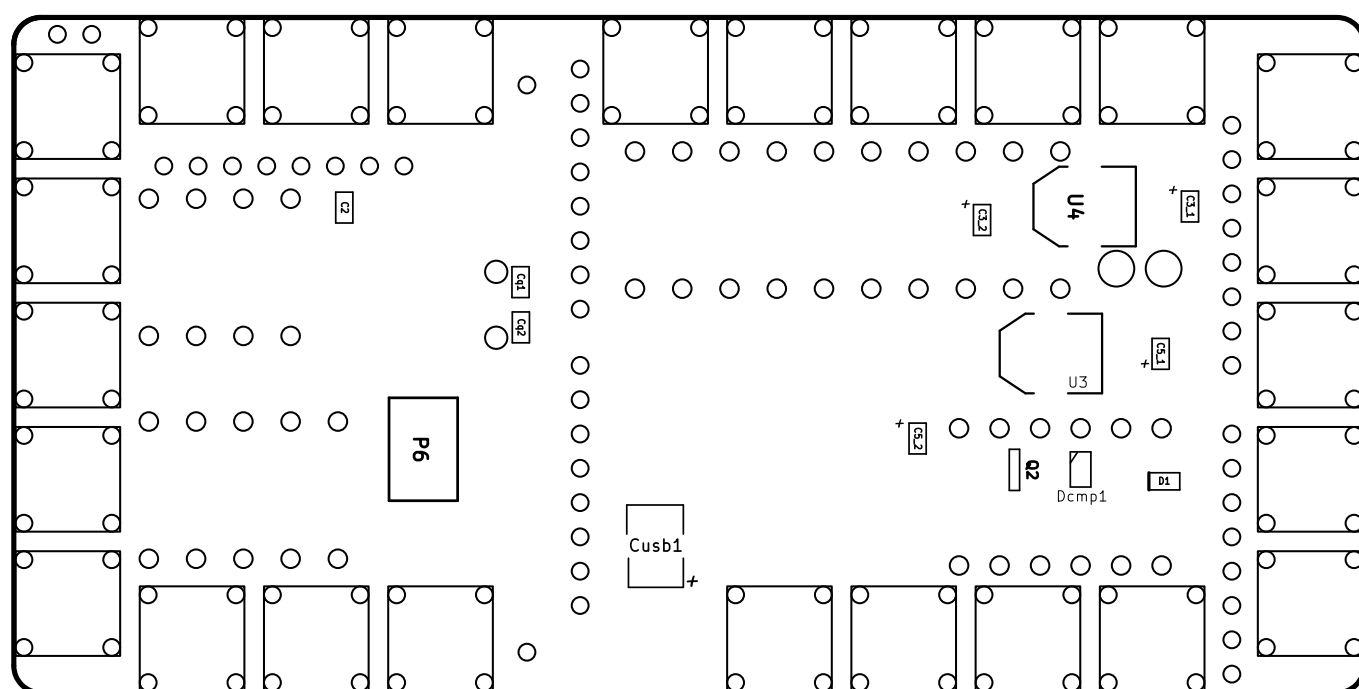
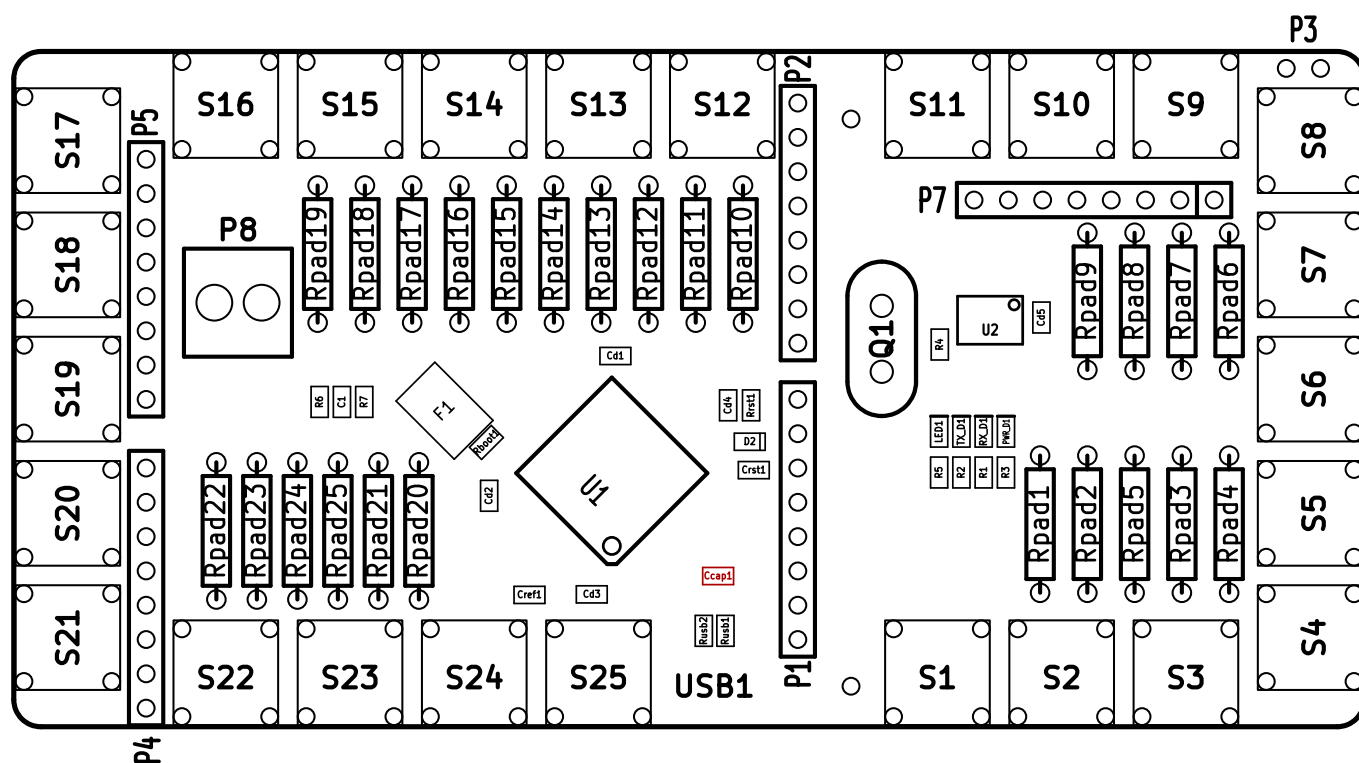




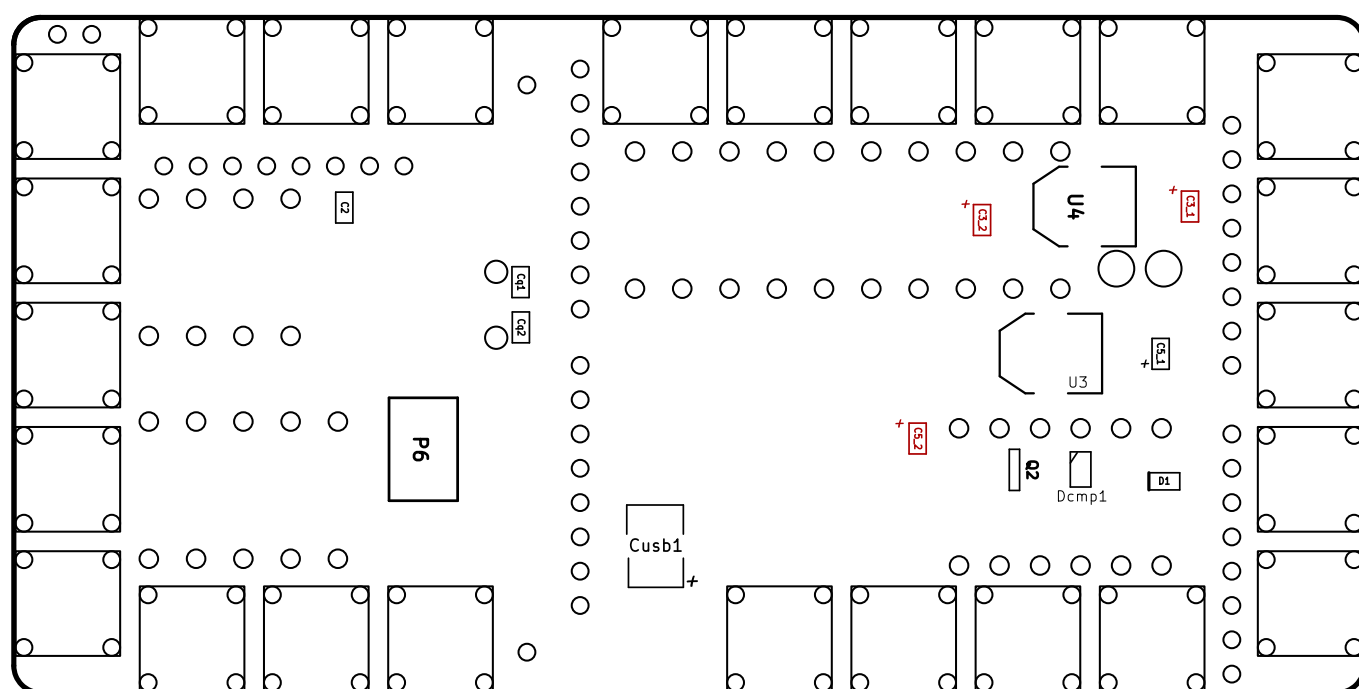
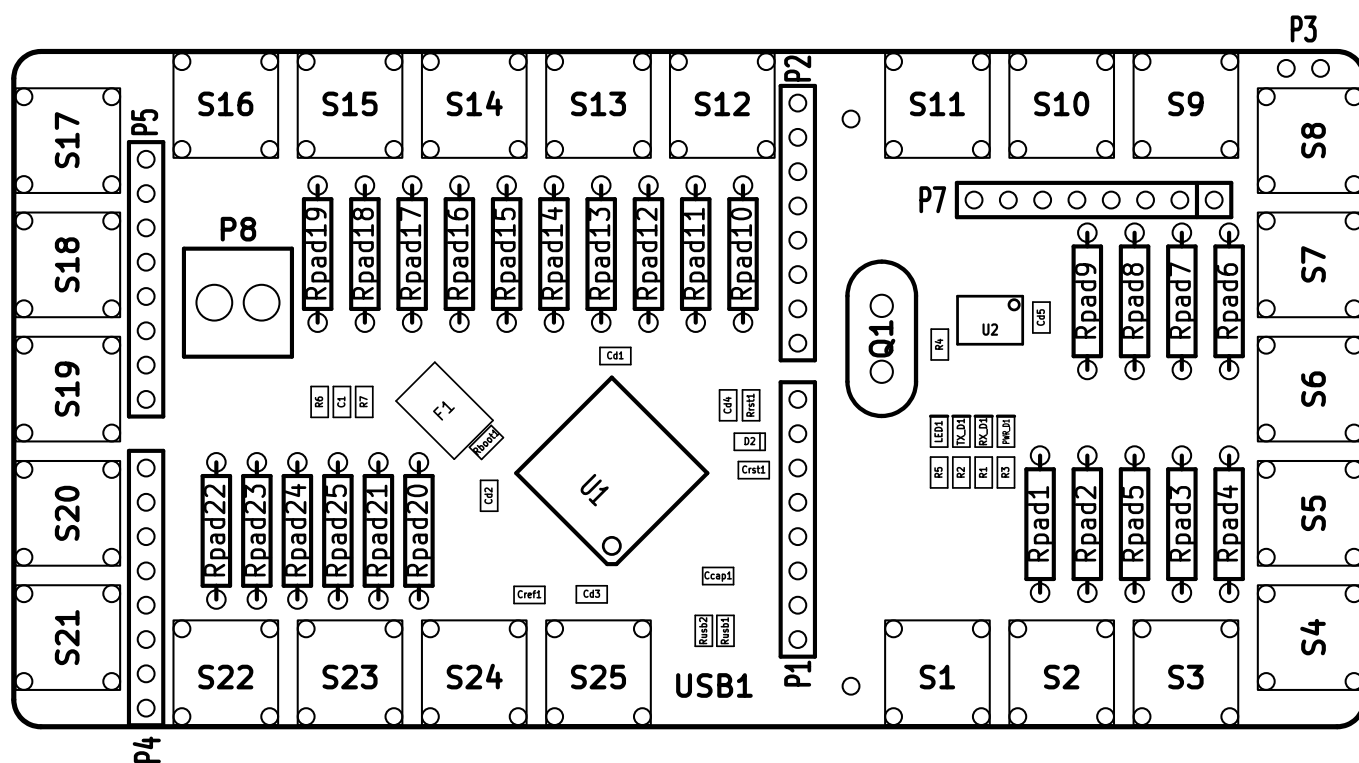
**100nF Capacitors**  
**x9**



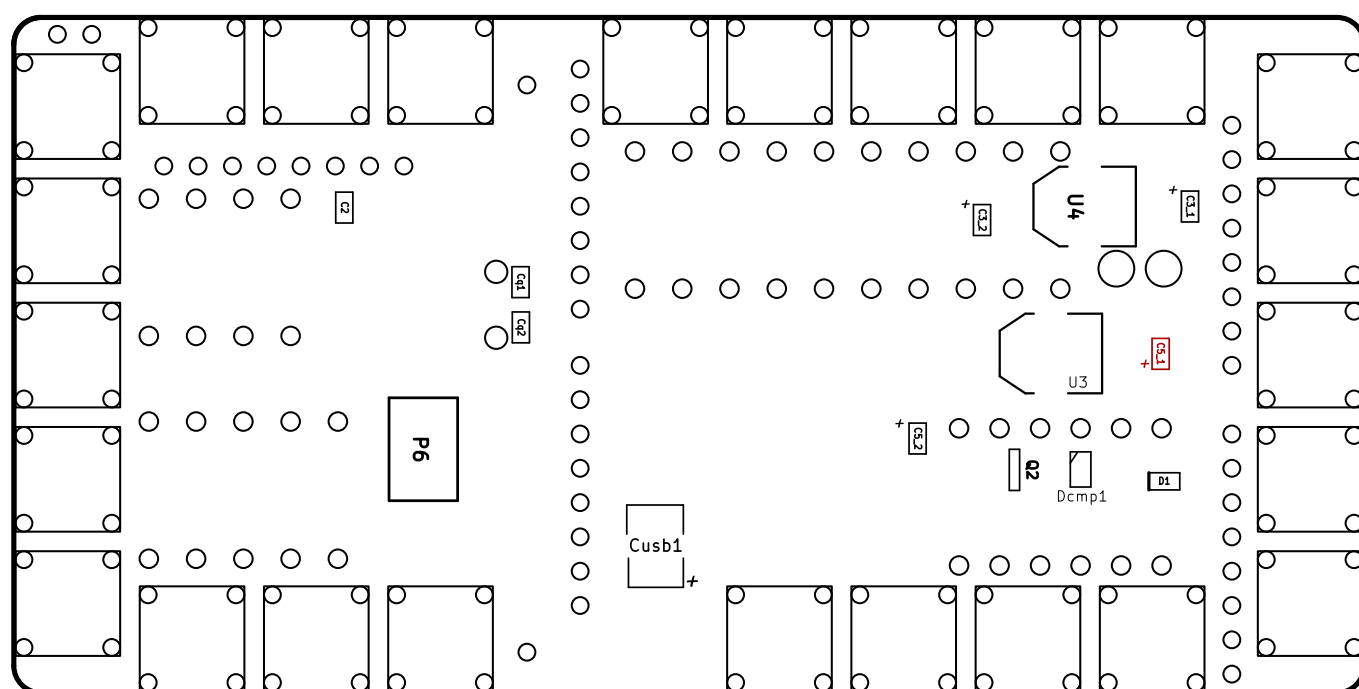
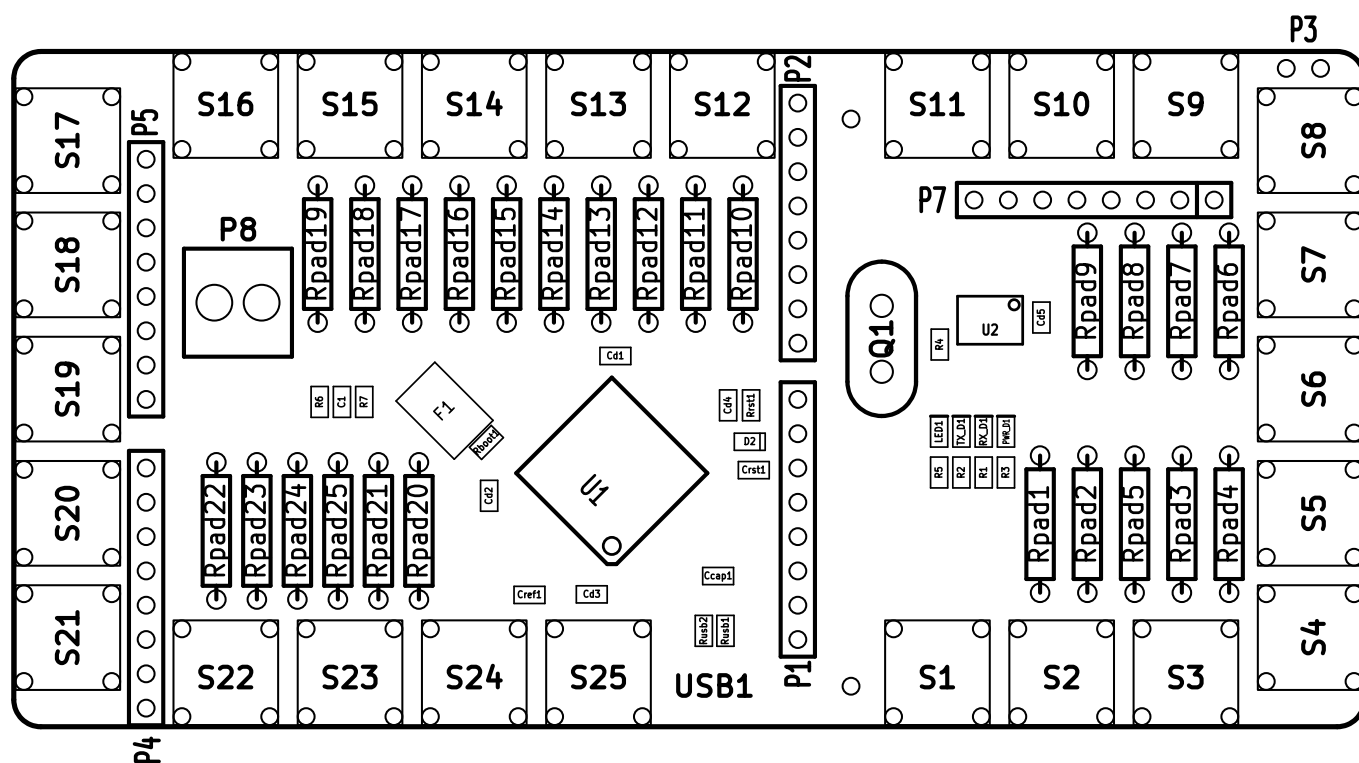
**10kΩ Resistors**  
**x4**



**1μF Capacitor**  
**x1**

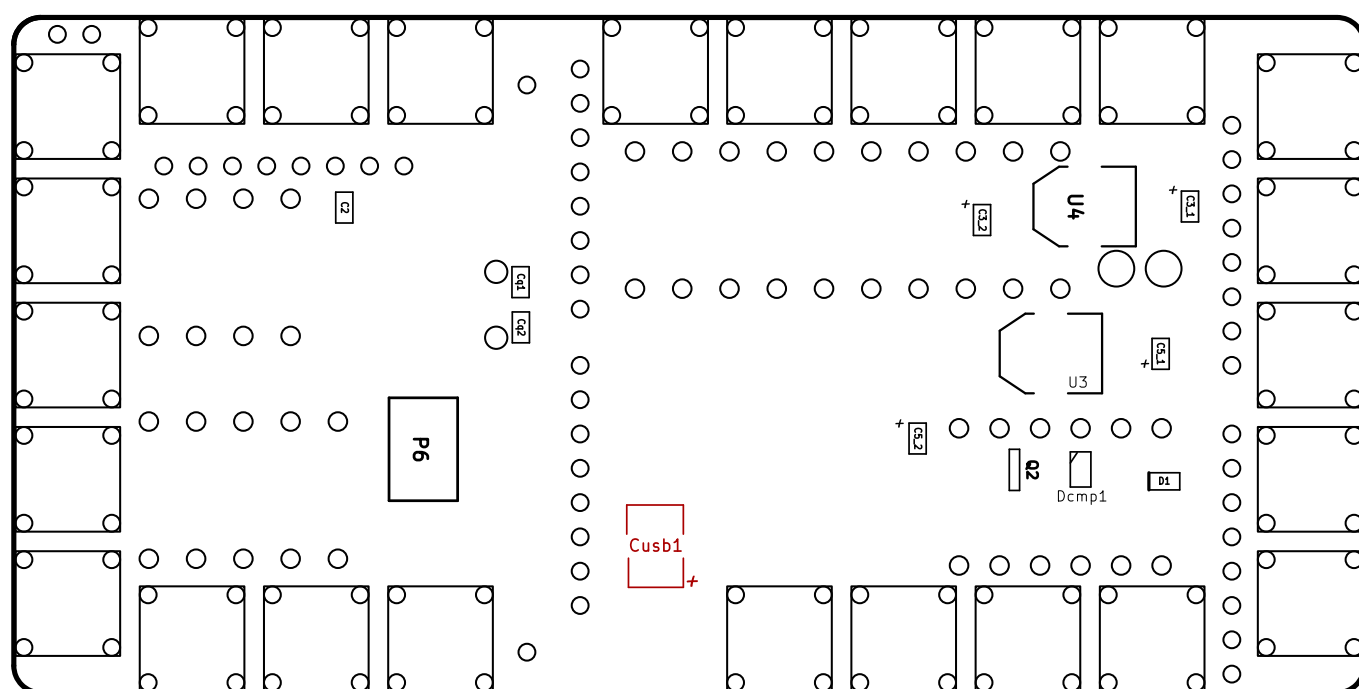
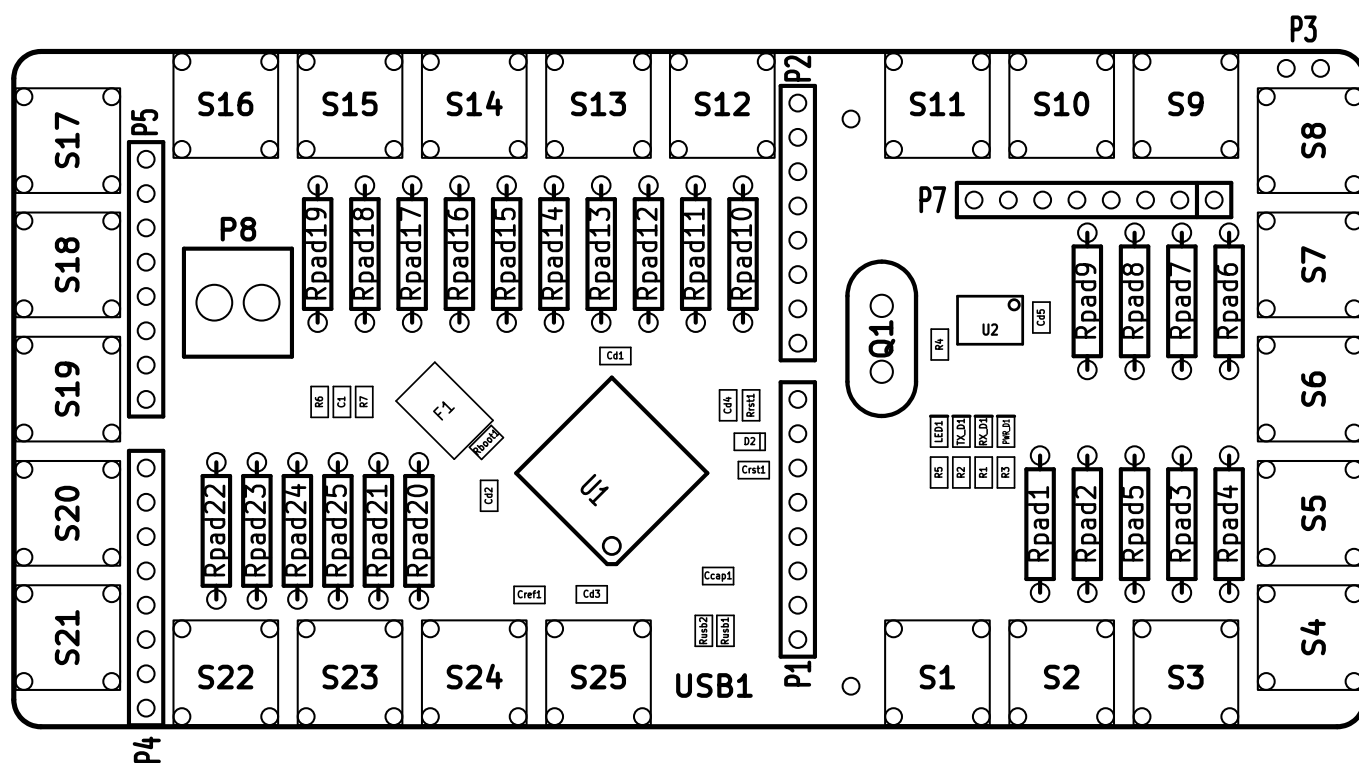


**22 $\mu$ F (10V) Capacitors**  
**x3**

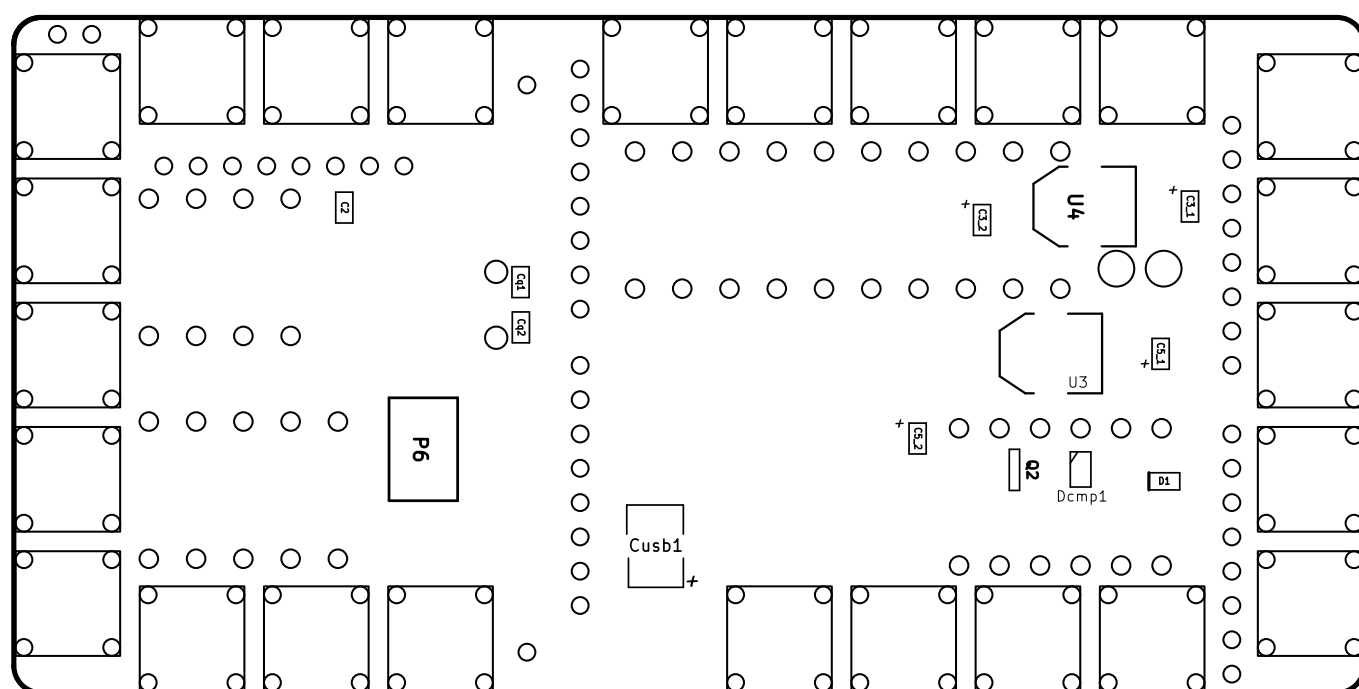
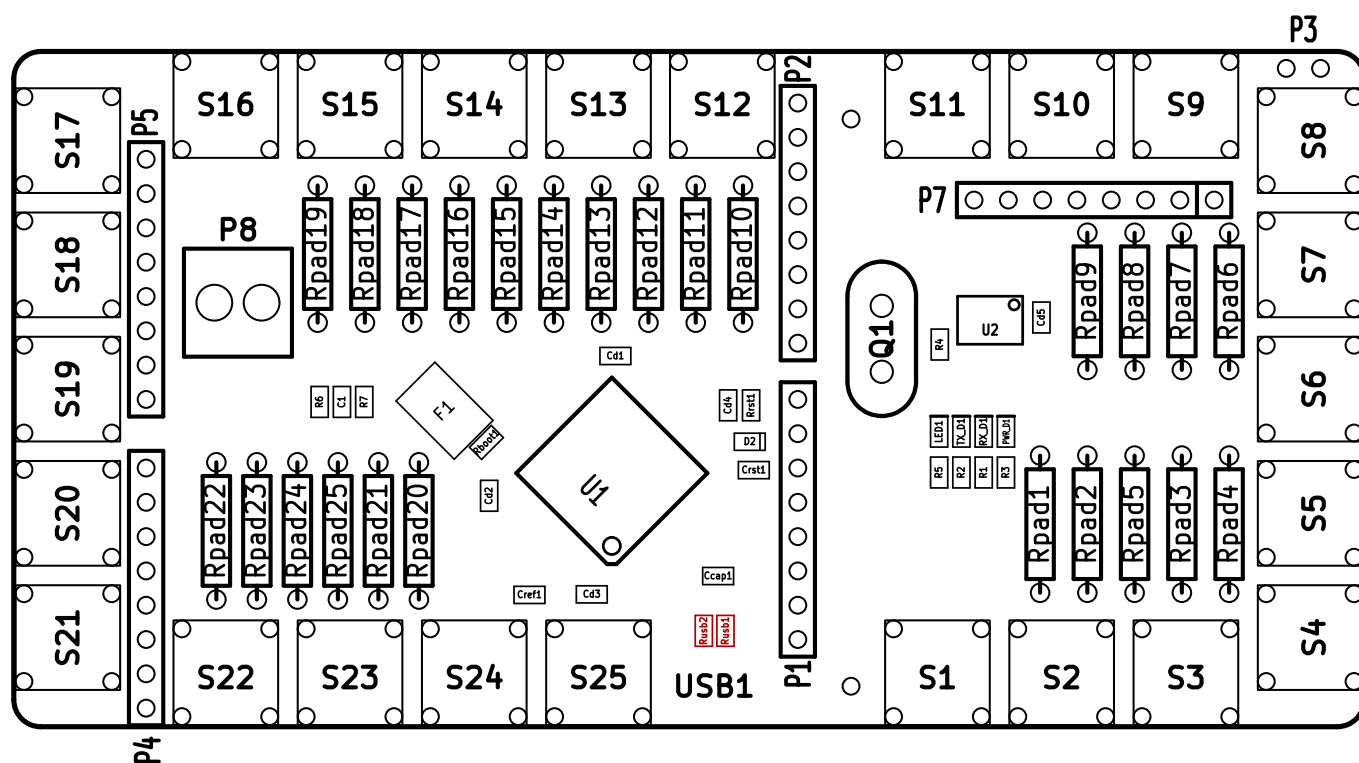


**22 $\mu$ F (35V) Capacitor**  
**x1**

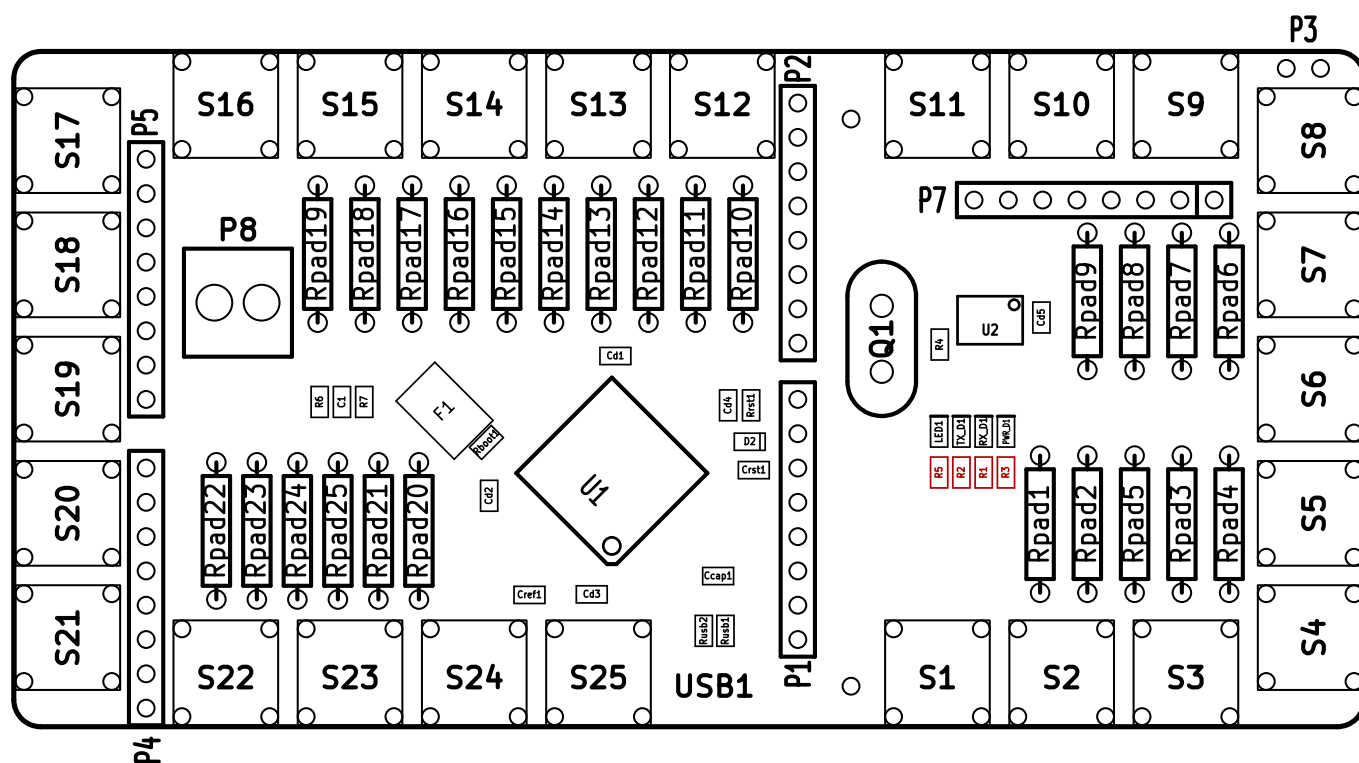


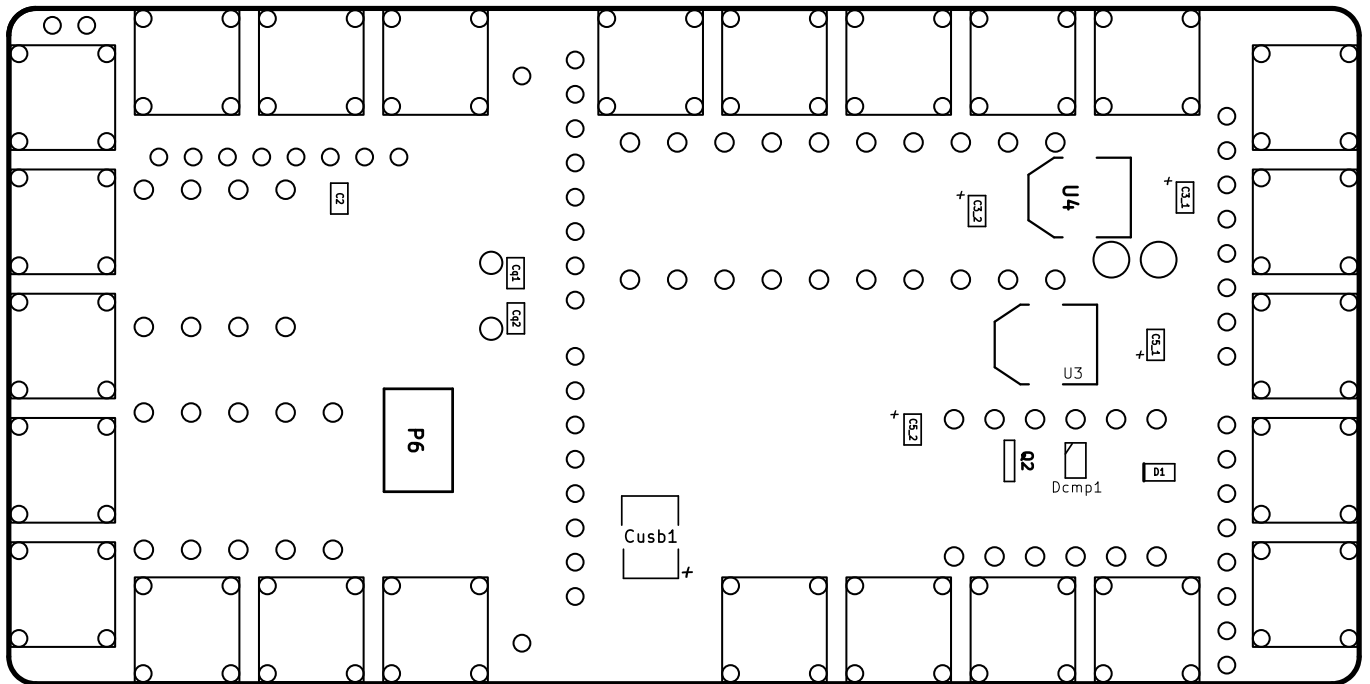
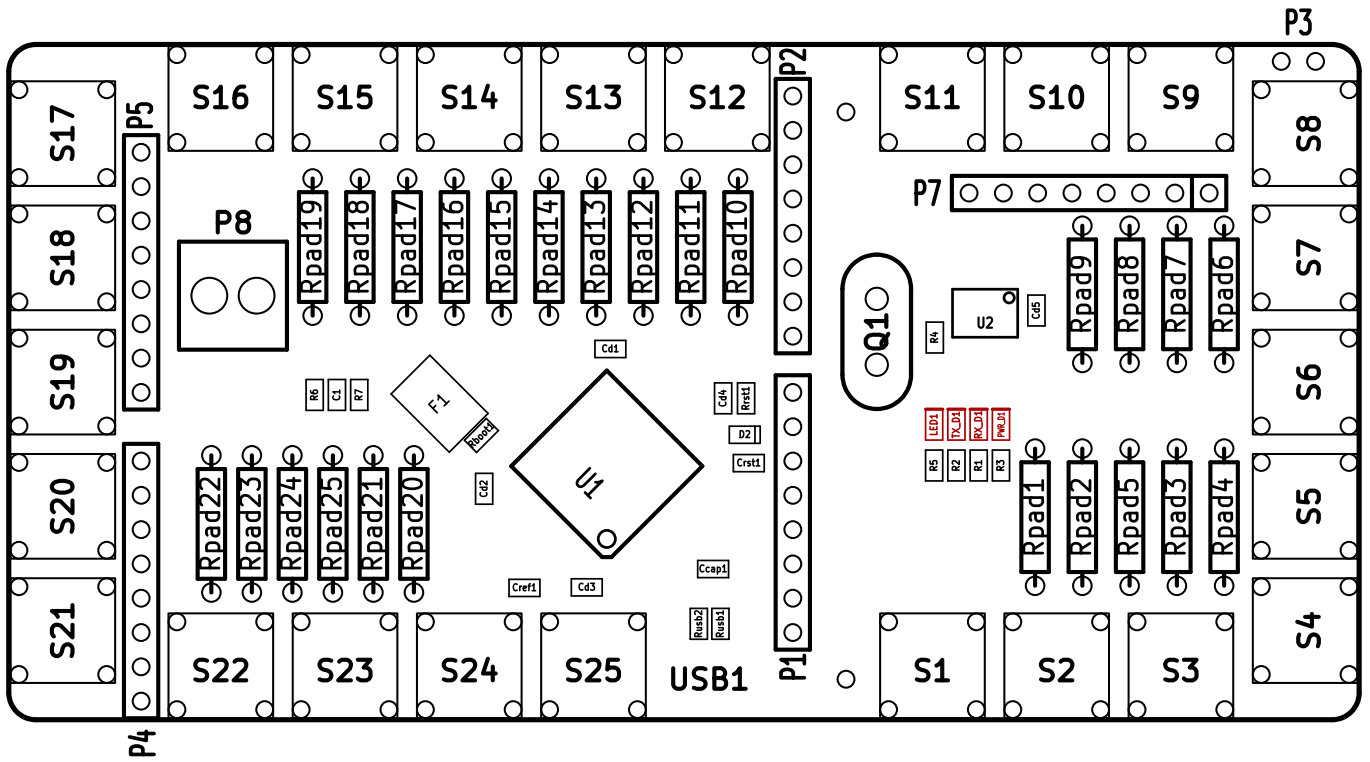


**10µF Capacitor**  
**x1**

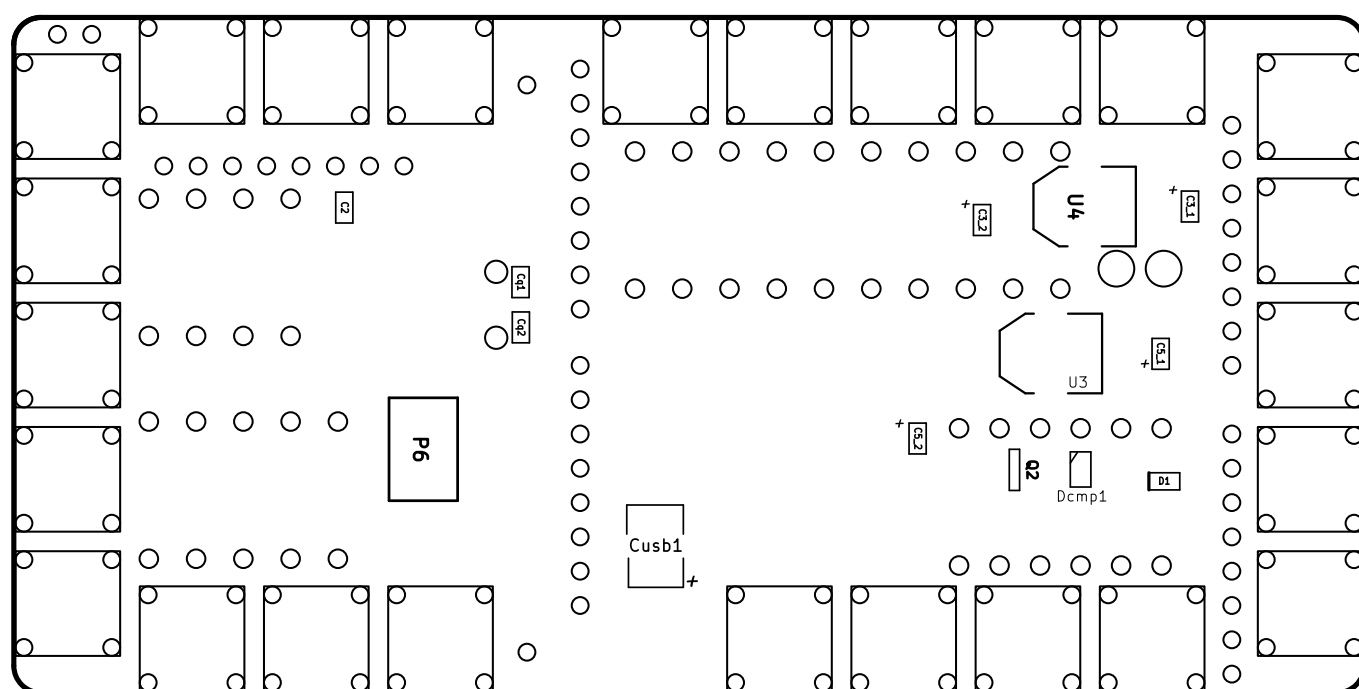
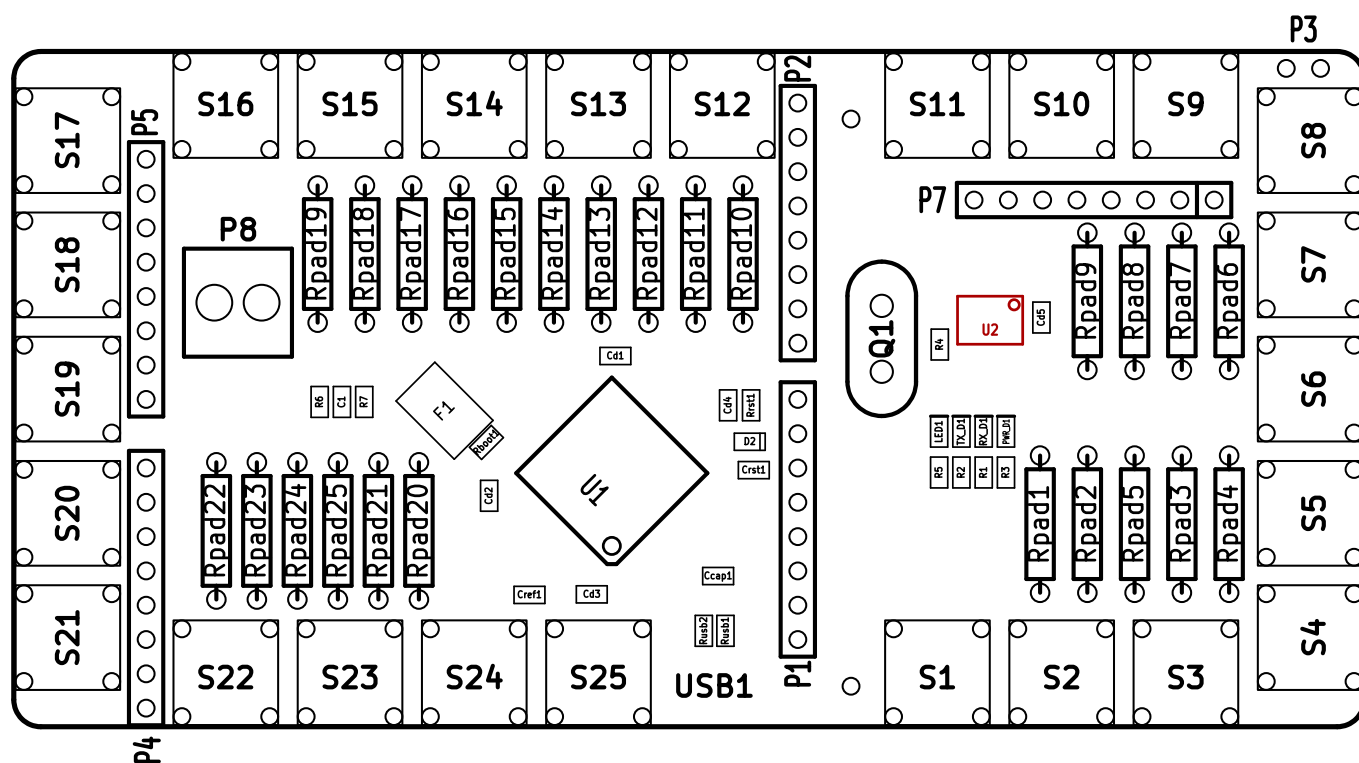


**22Ω Resistors**  
**x2**

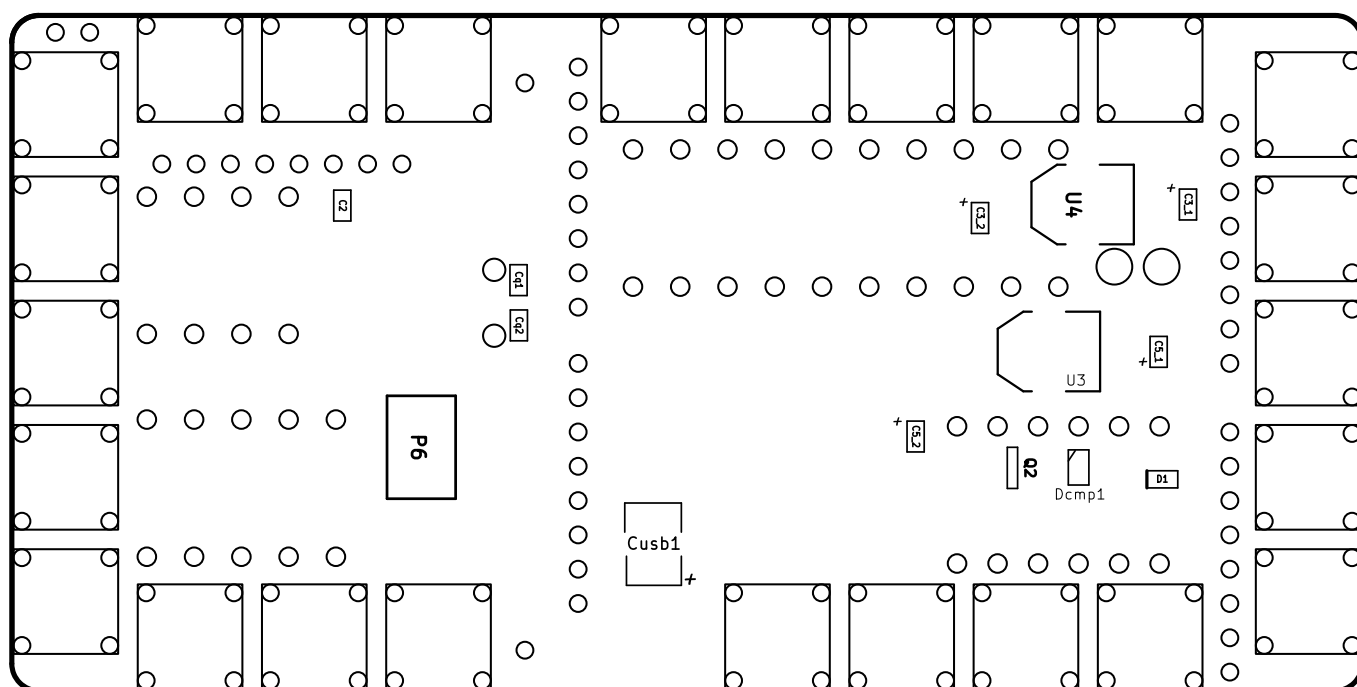
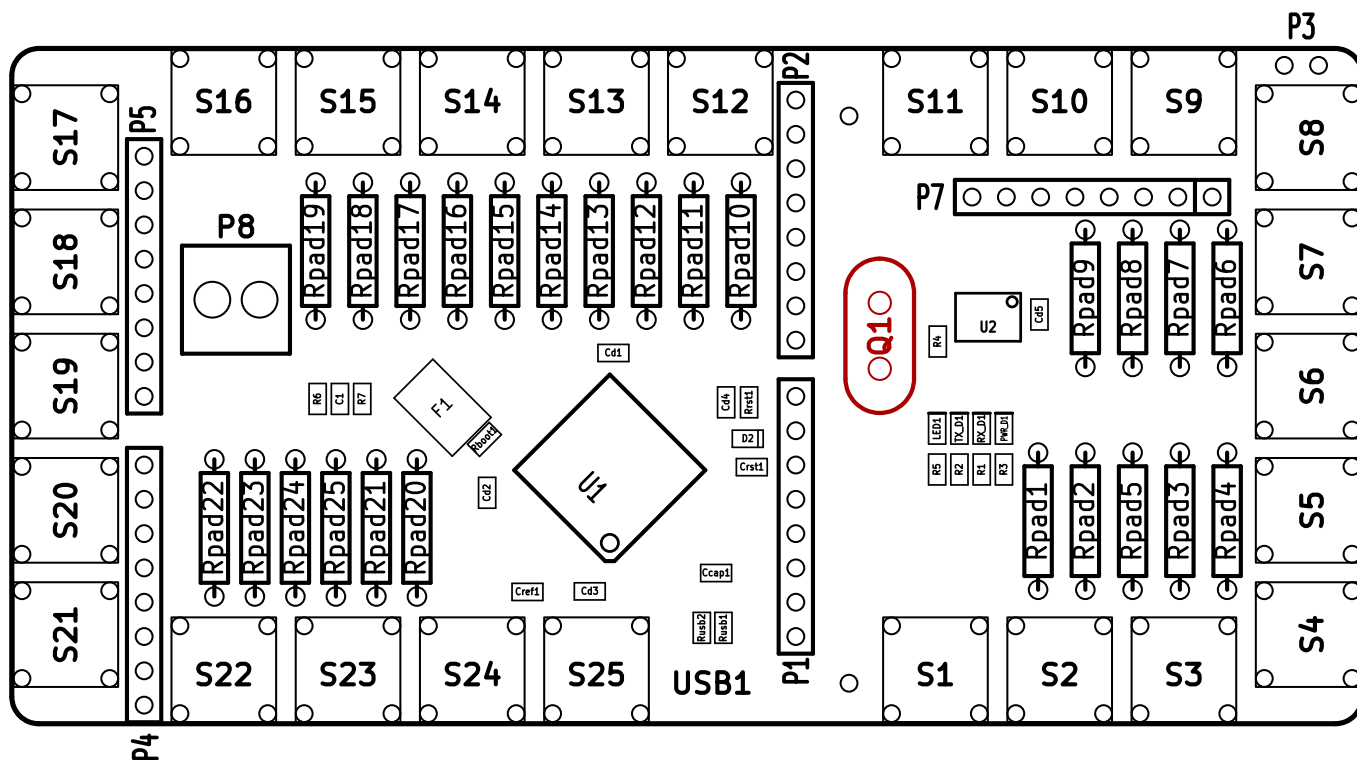




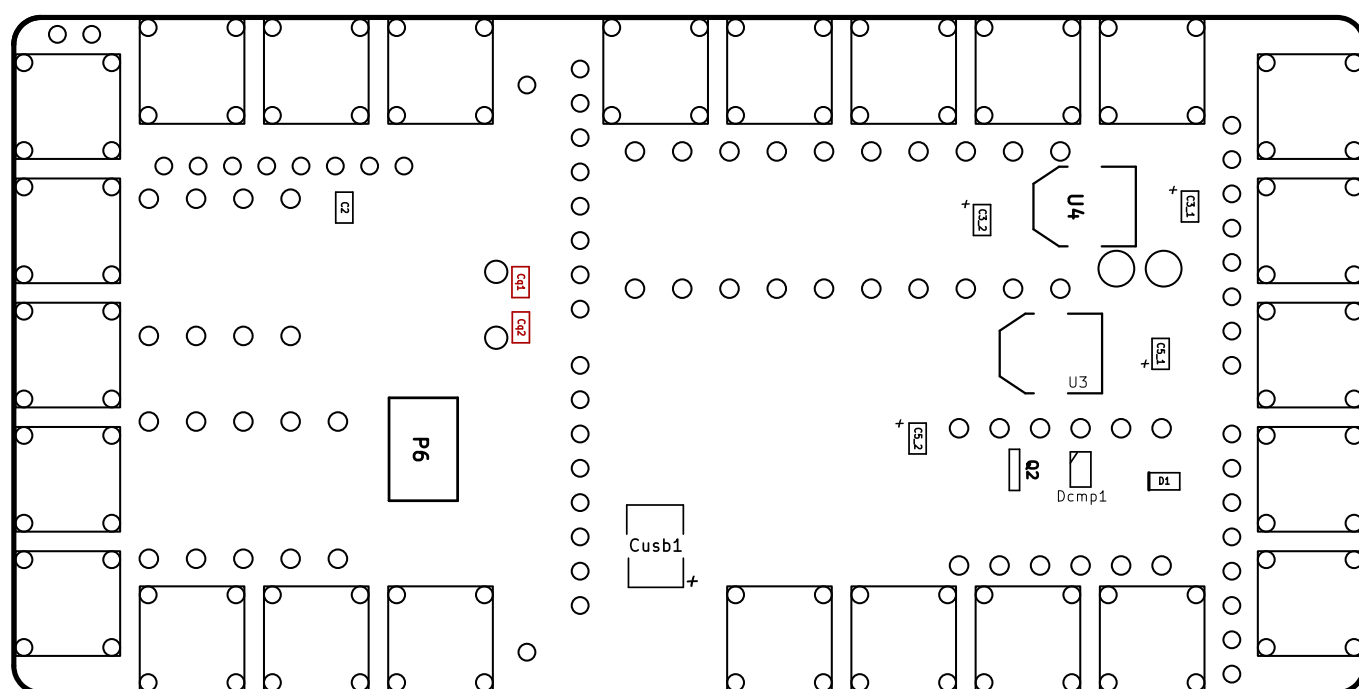
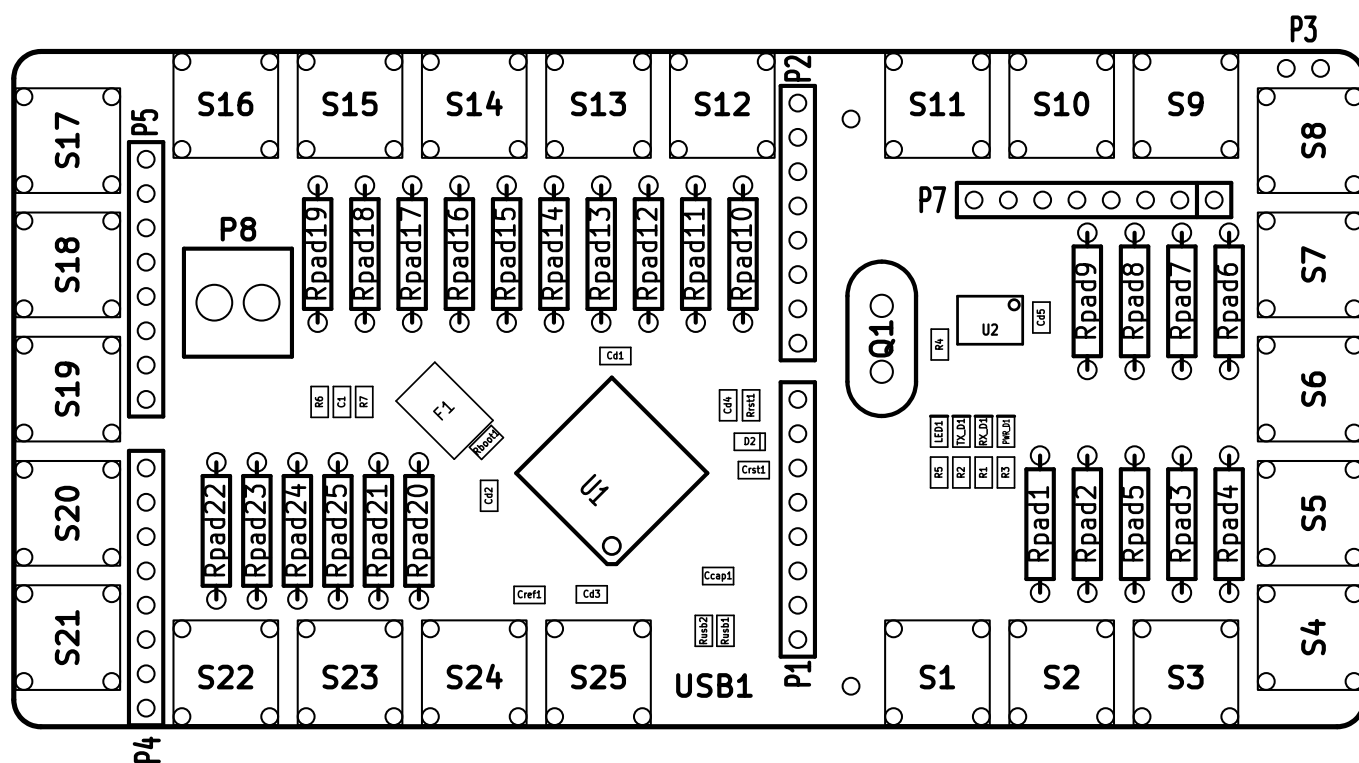
**LEDs**  
**x4**



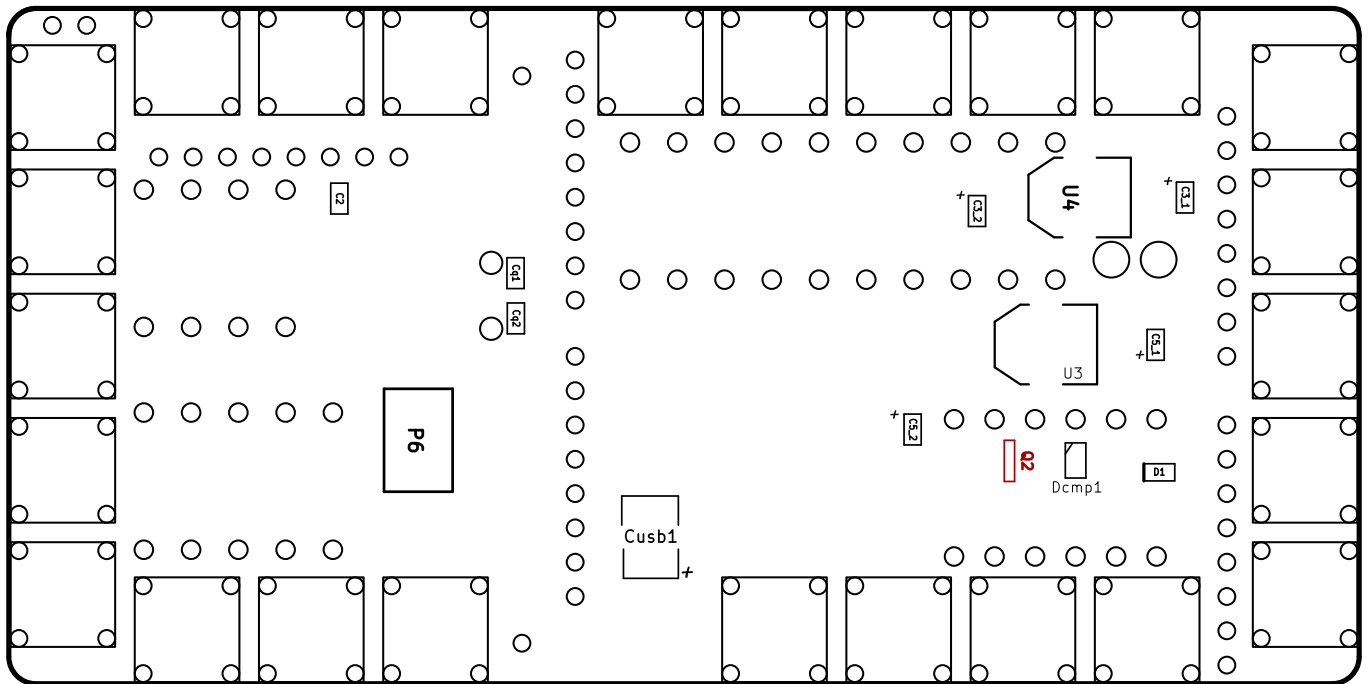
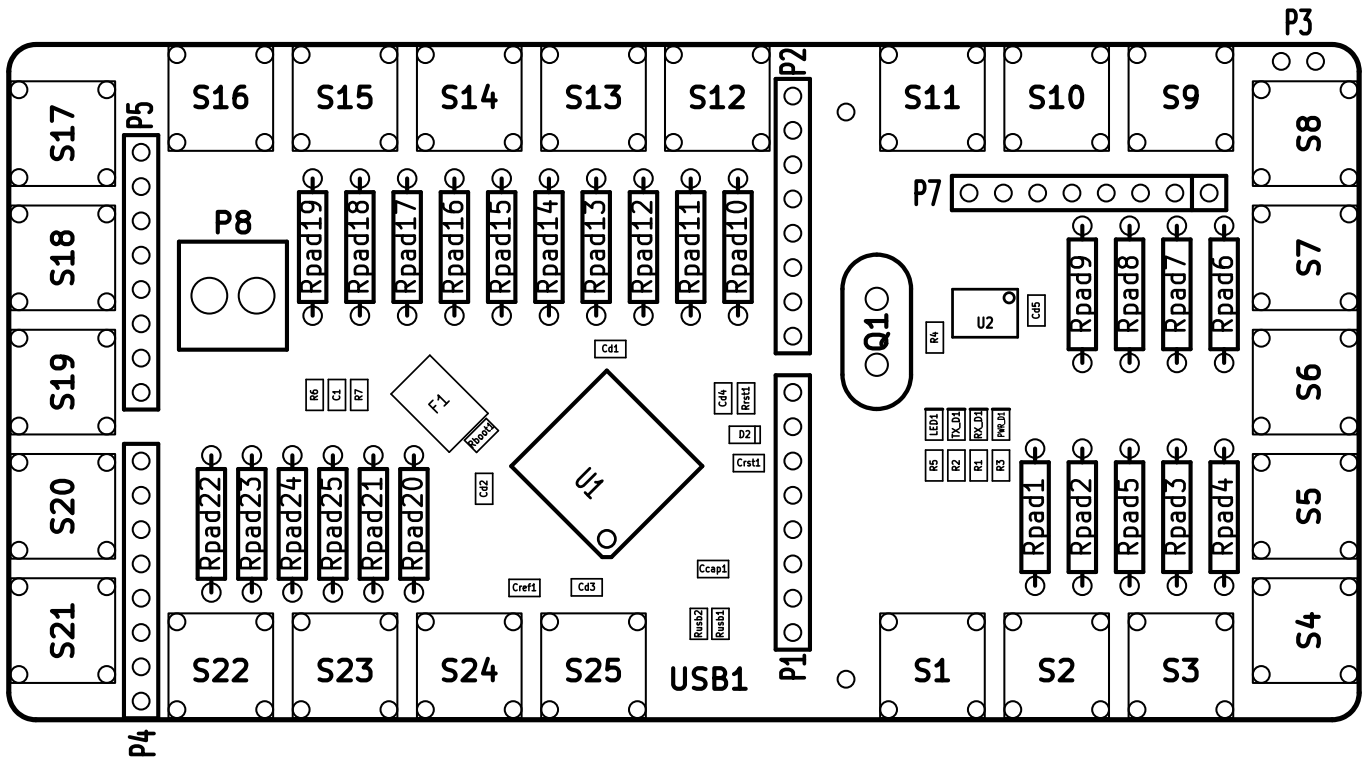
**Quad Op-amp**  
**x1**



**16MHz Quartz**  
**x1**

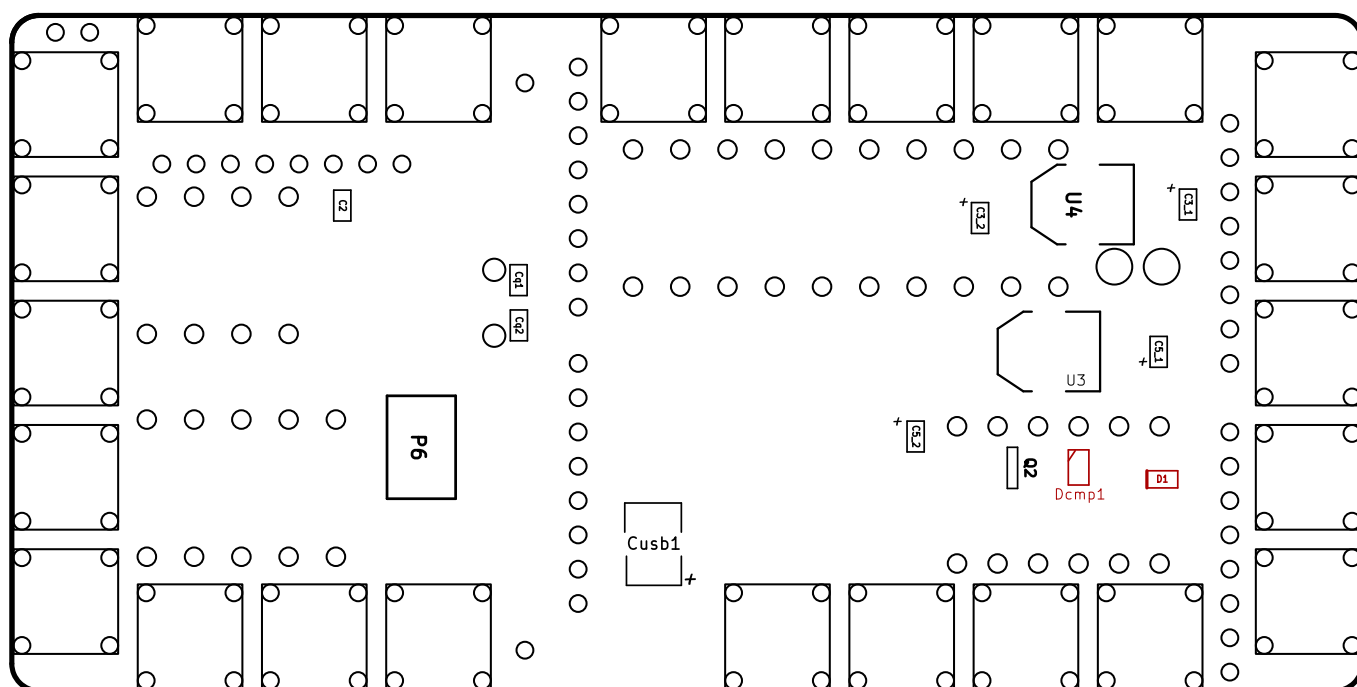
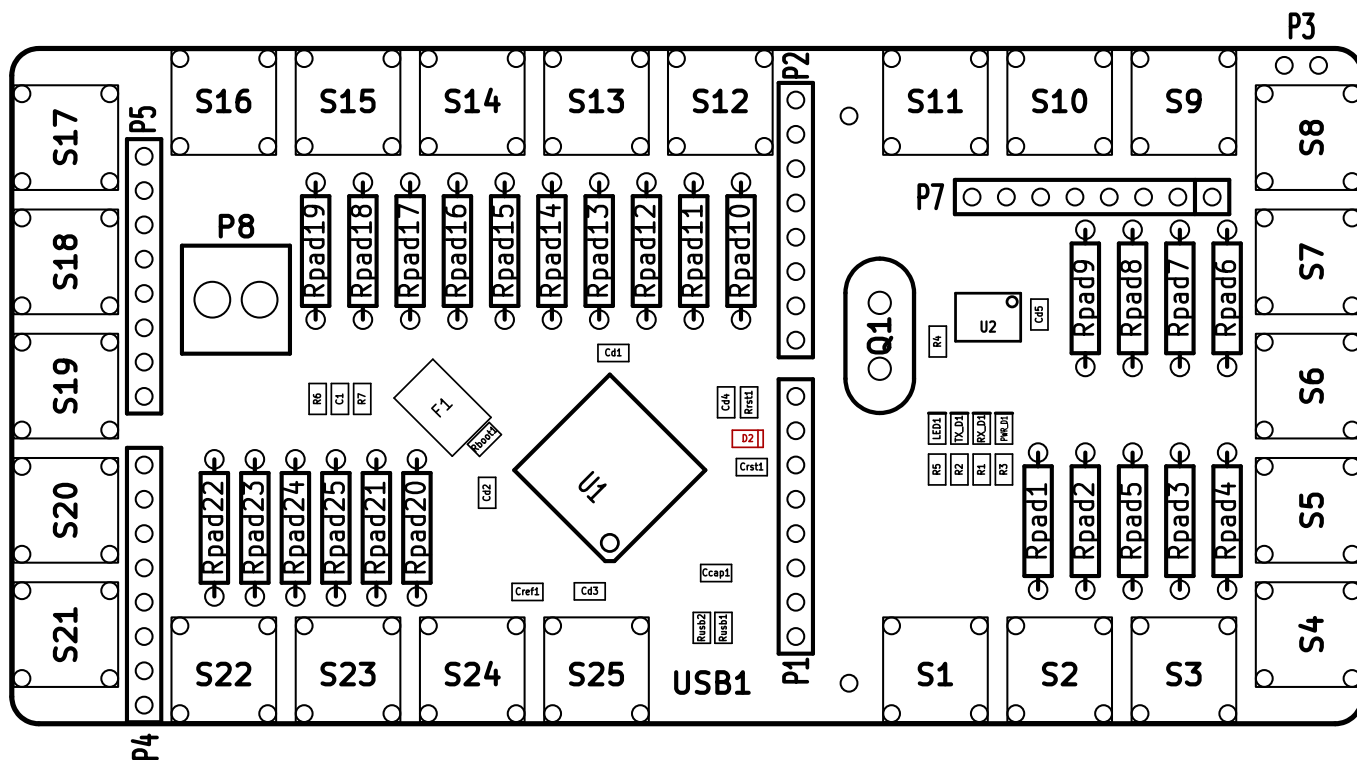


**22pF Capacitors**  
**x2**



**PMOS**  
**x1**

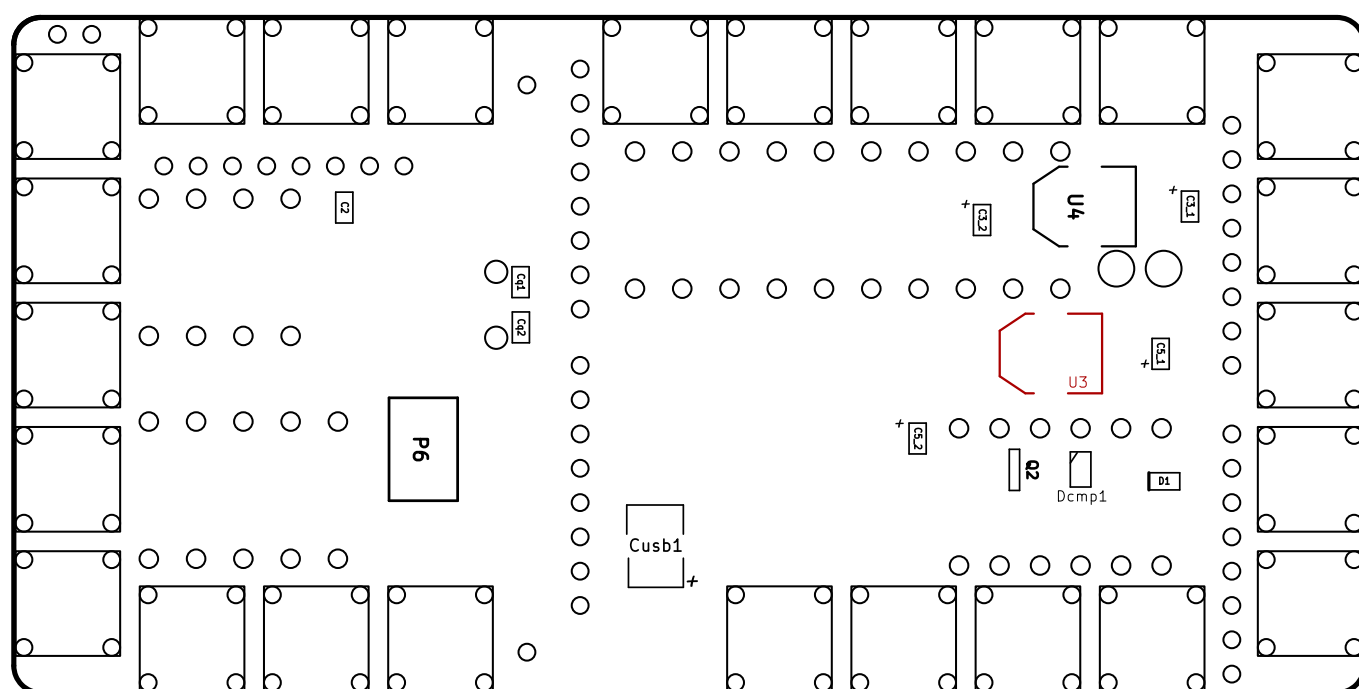
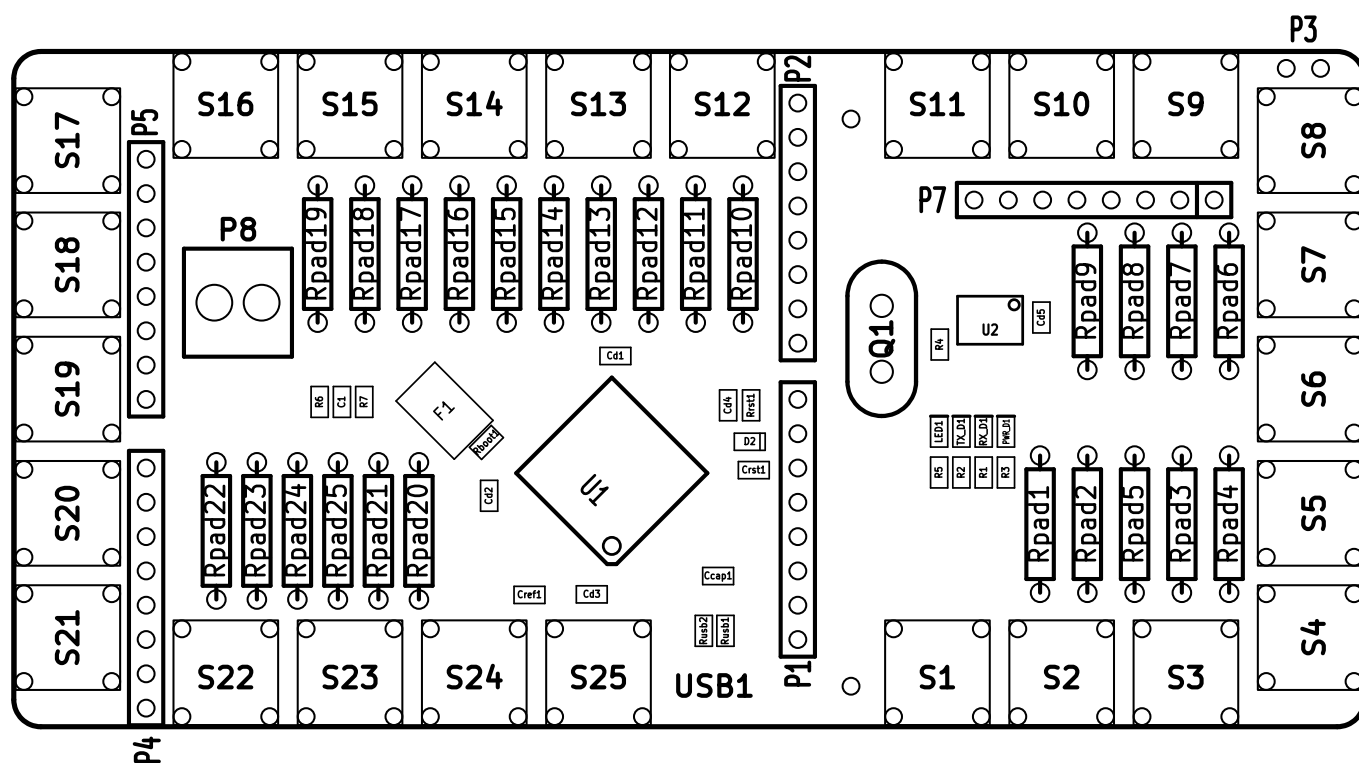




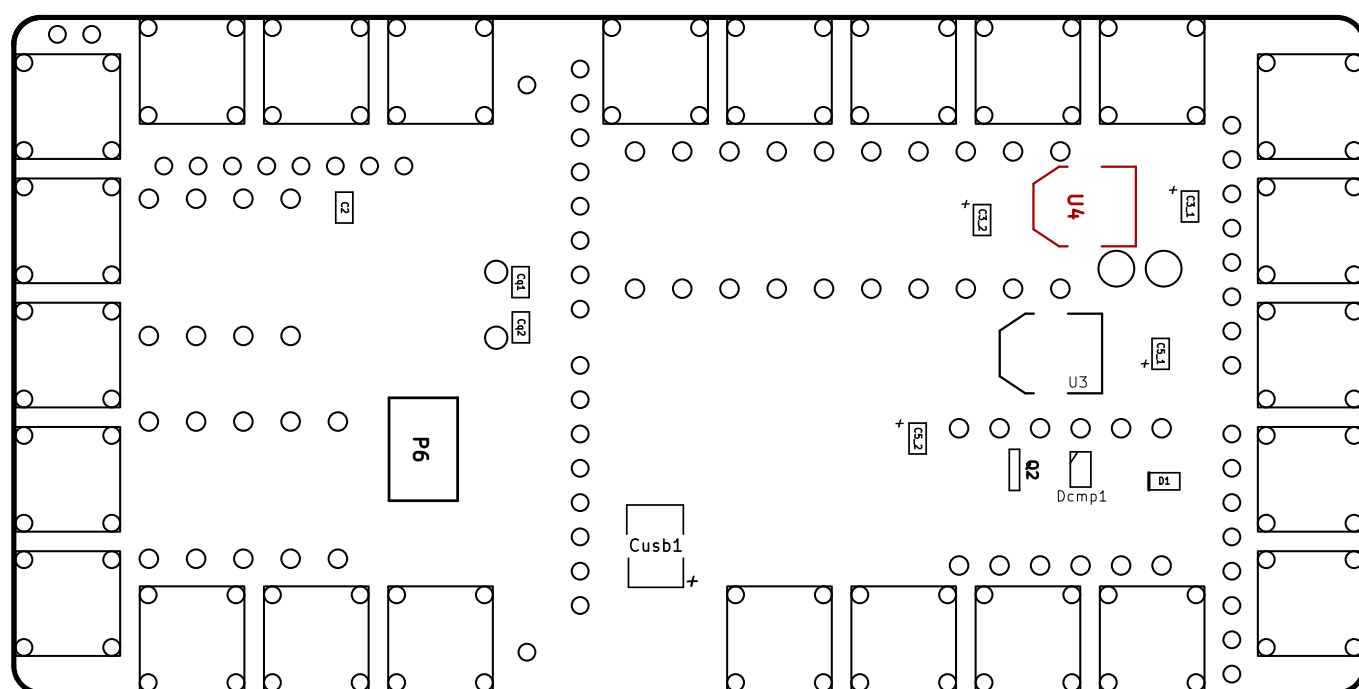
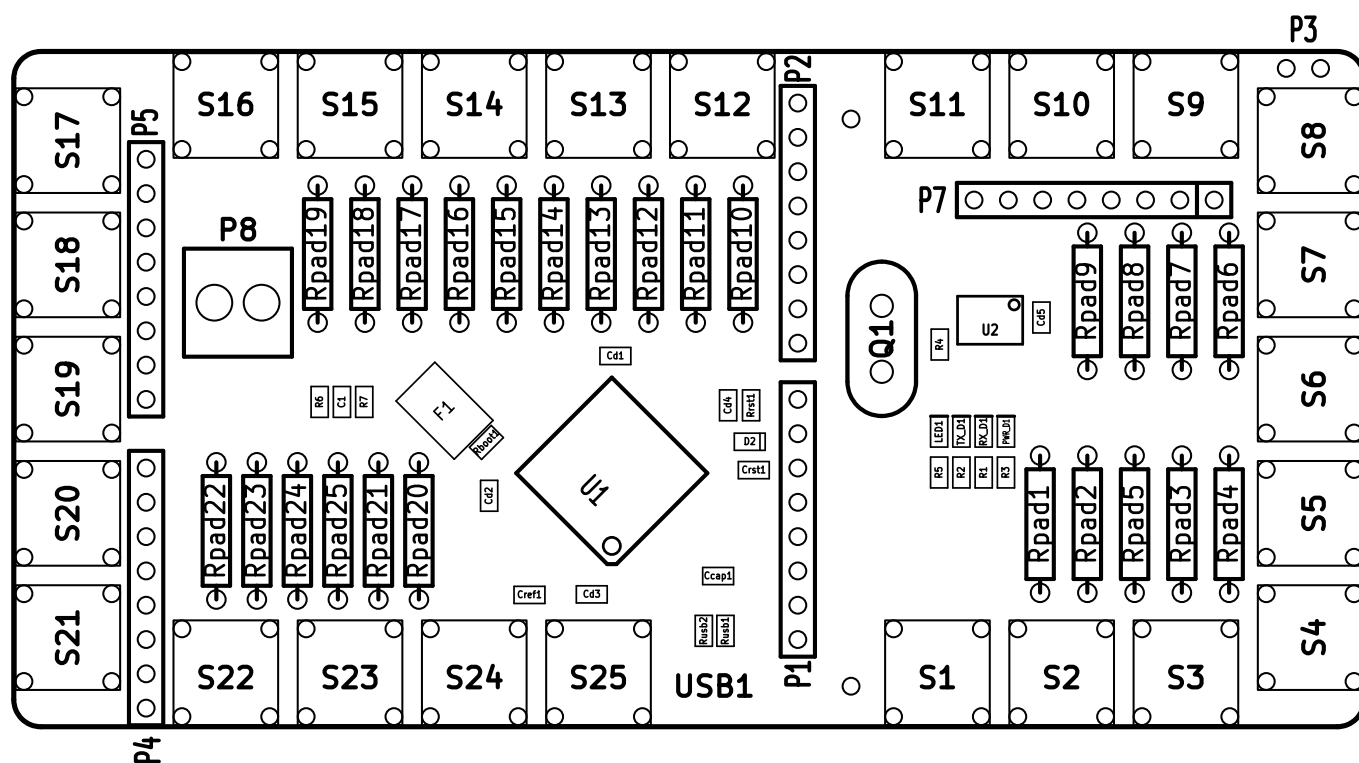
# Diodes

**x3** *Different references !*

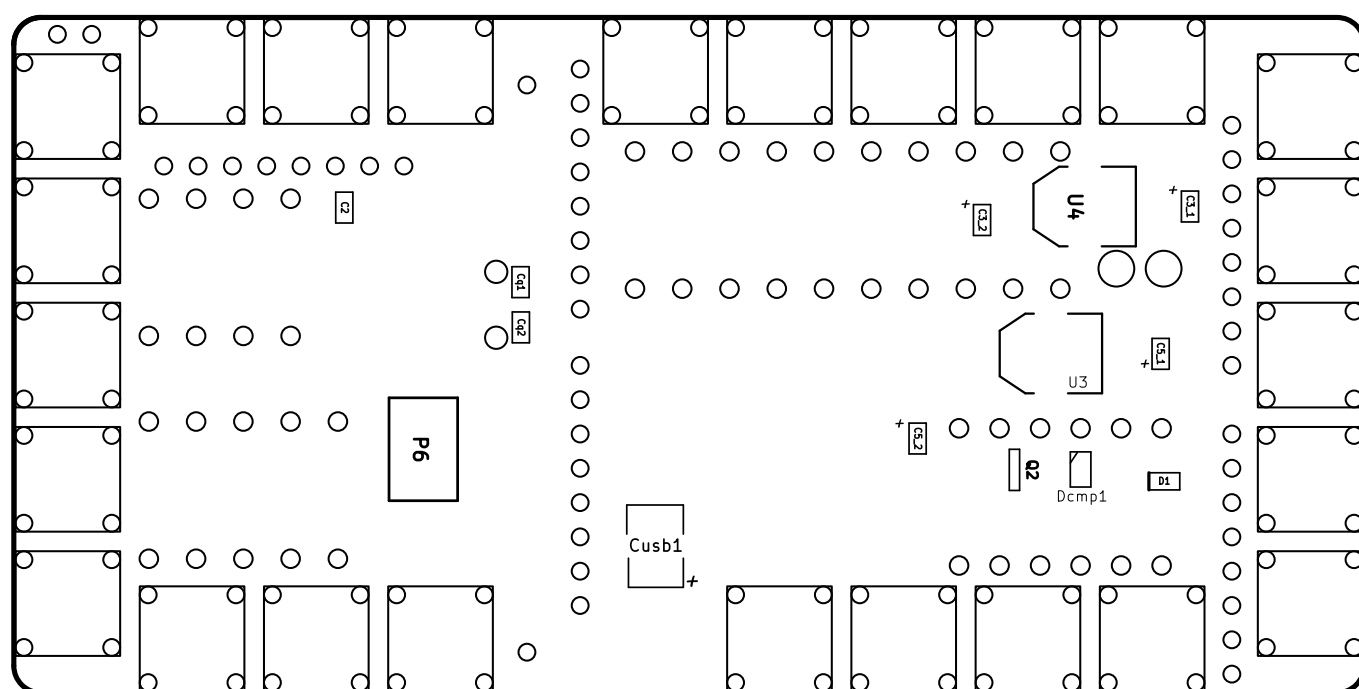
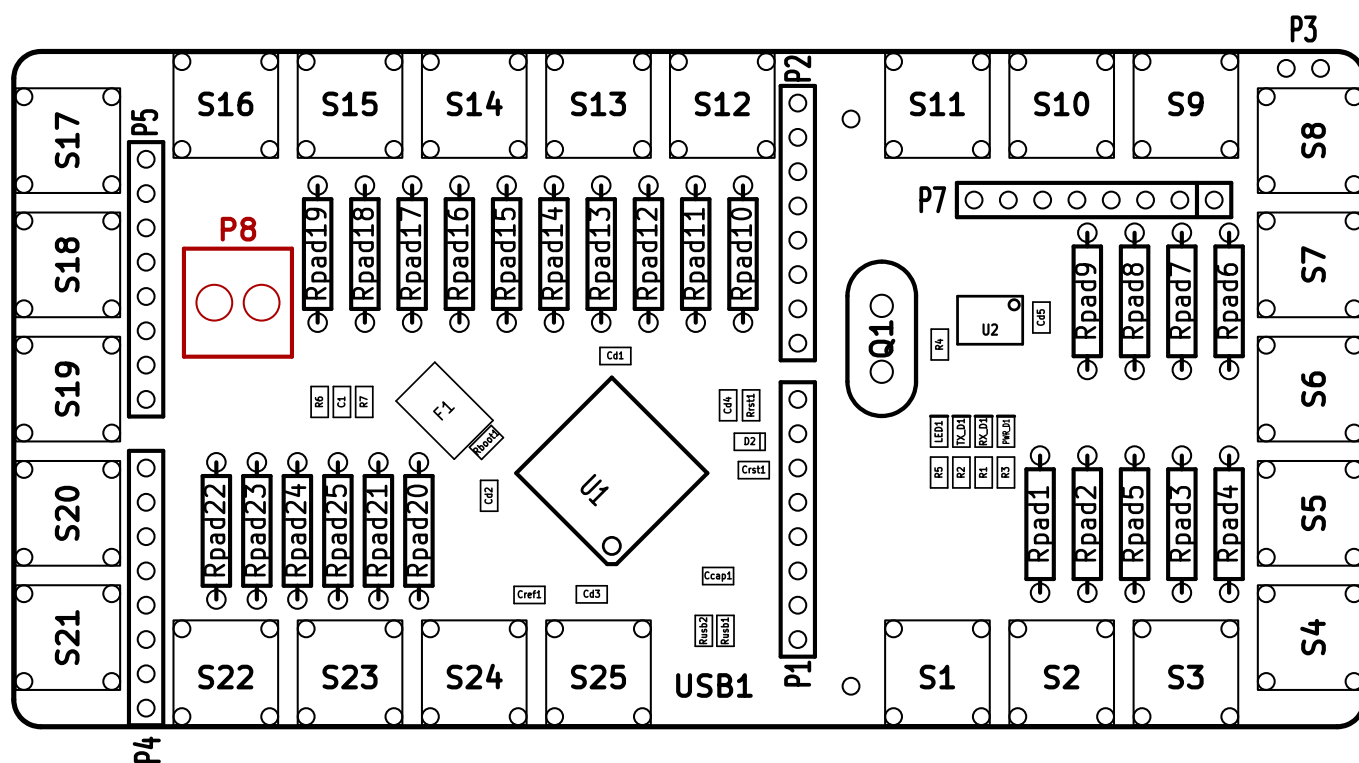




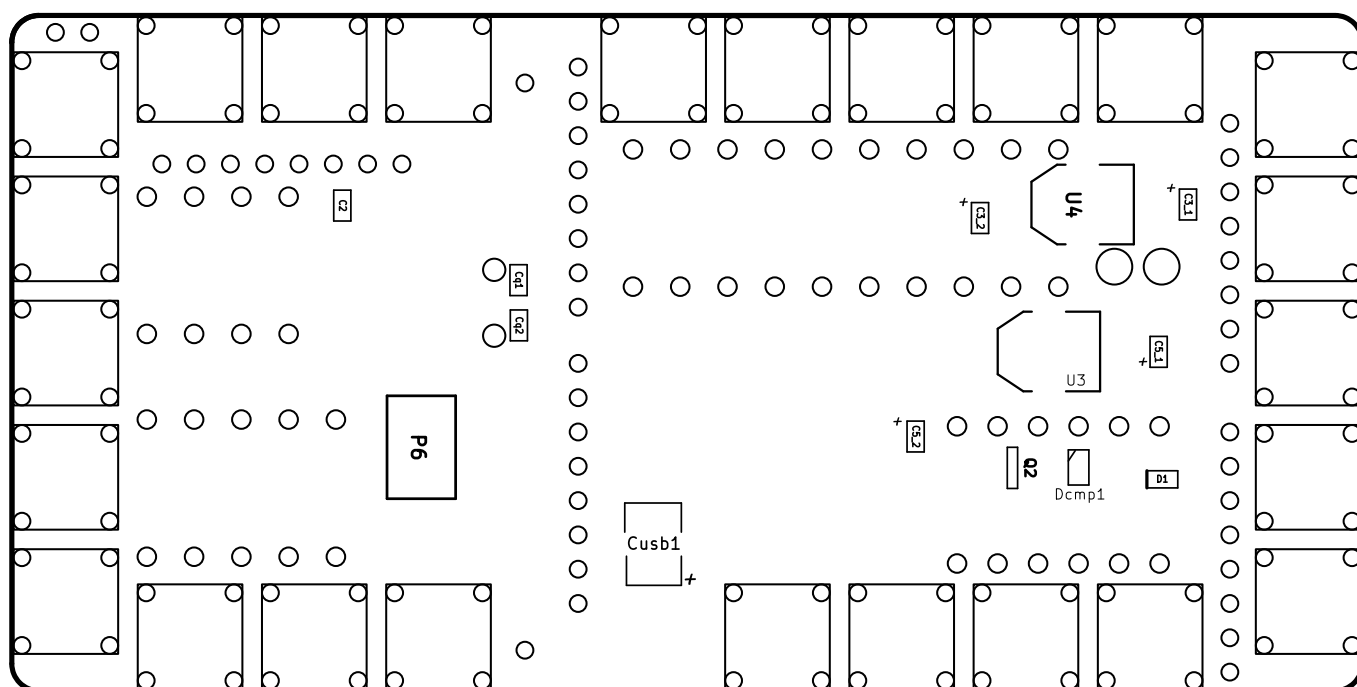
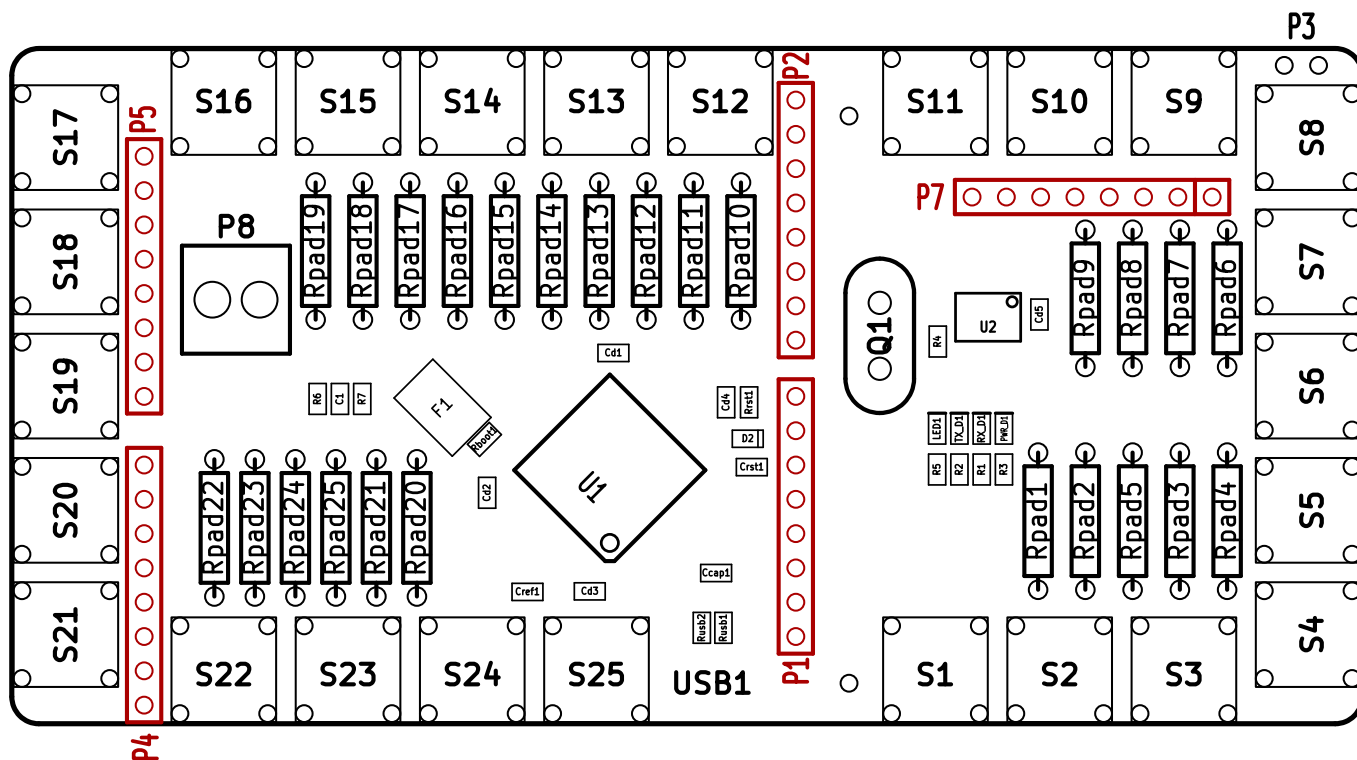
**5V Regulator**  
**x1**



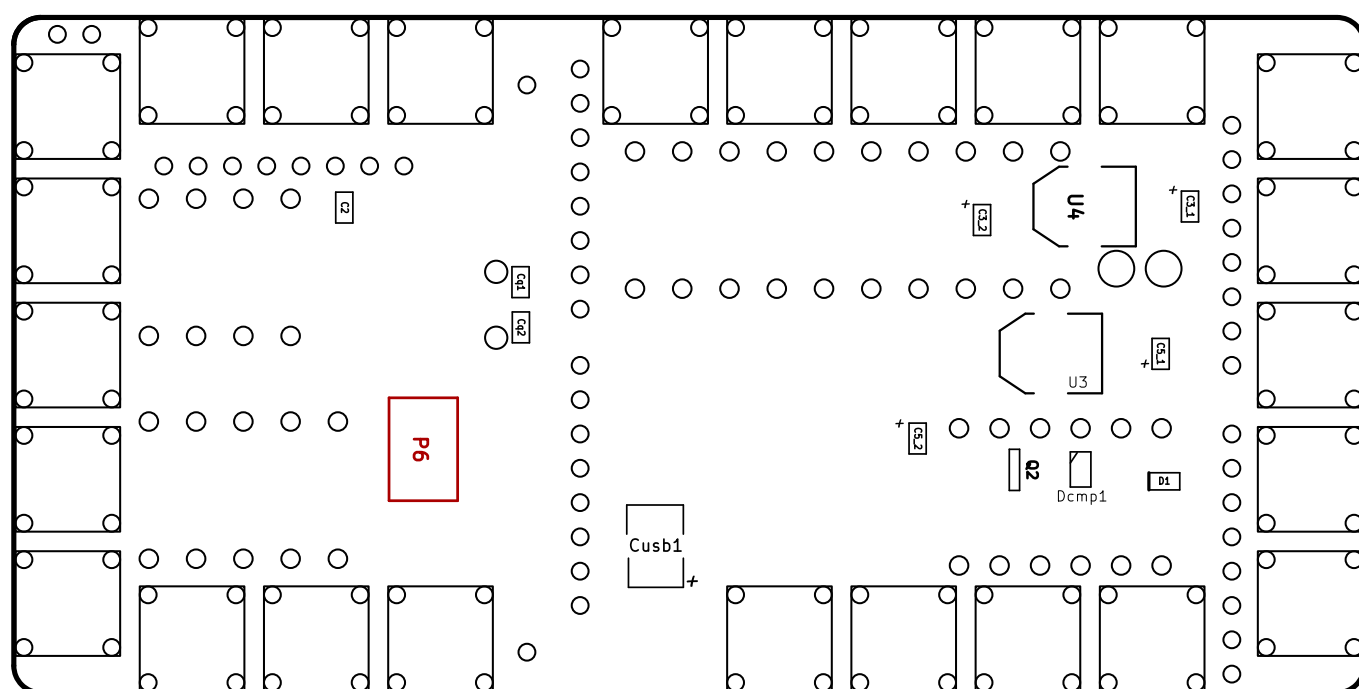
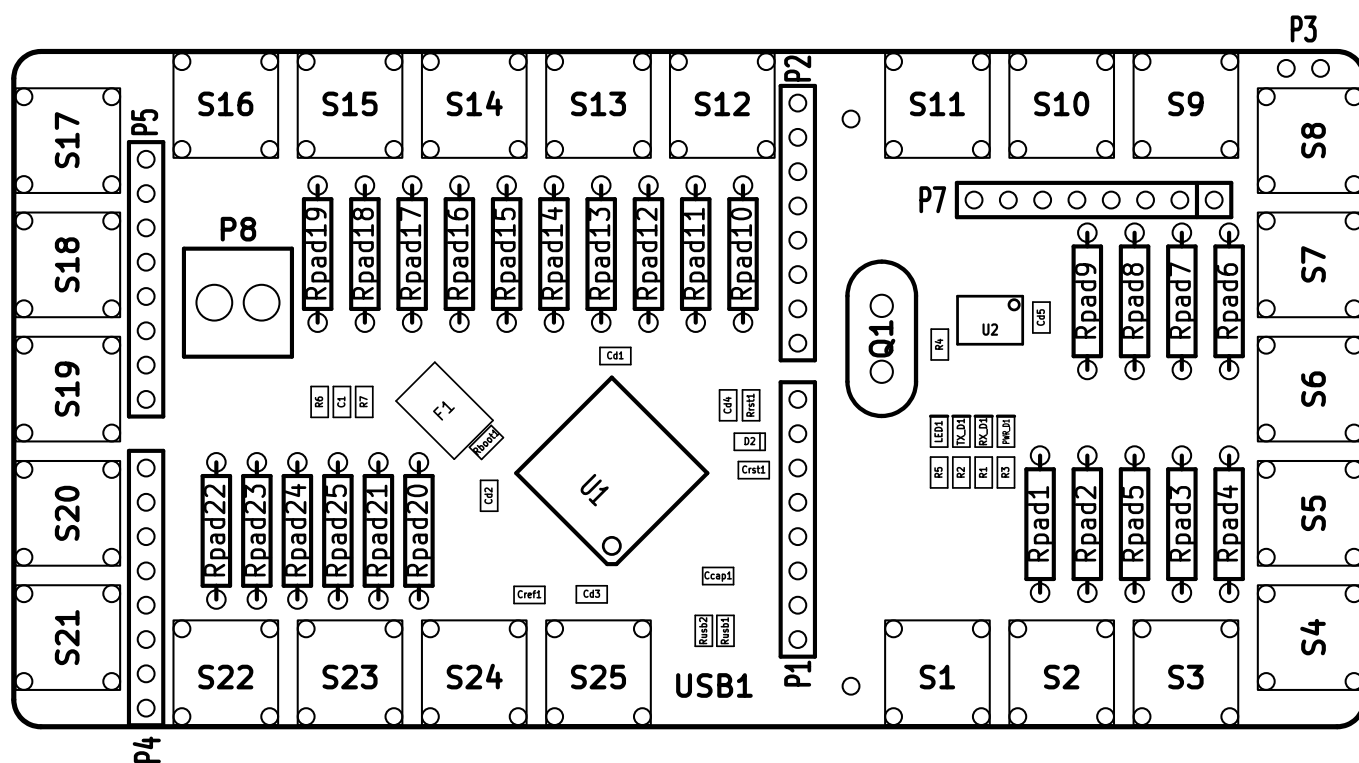
**3.3V Regulator**  
**x1**



**Battery terminal**  
**x1**



**Female herders**  
**x5 8-terminals**



**3×2 pins header**  
**x1**