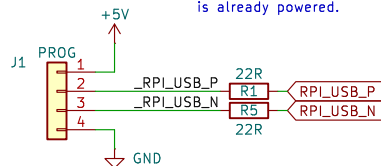
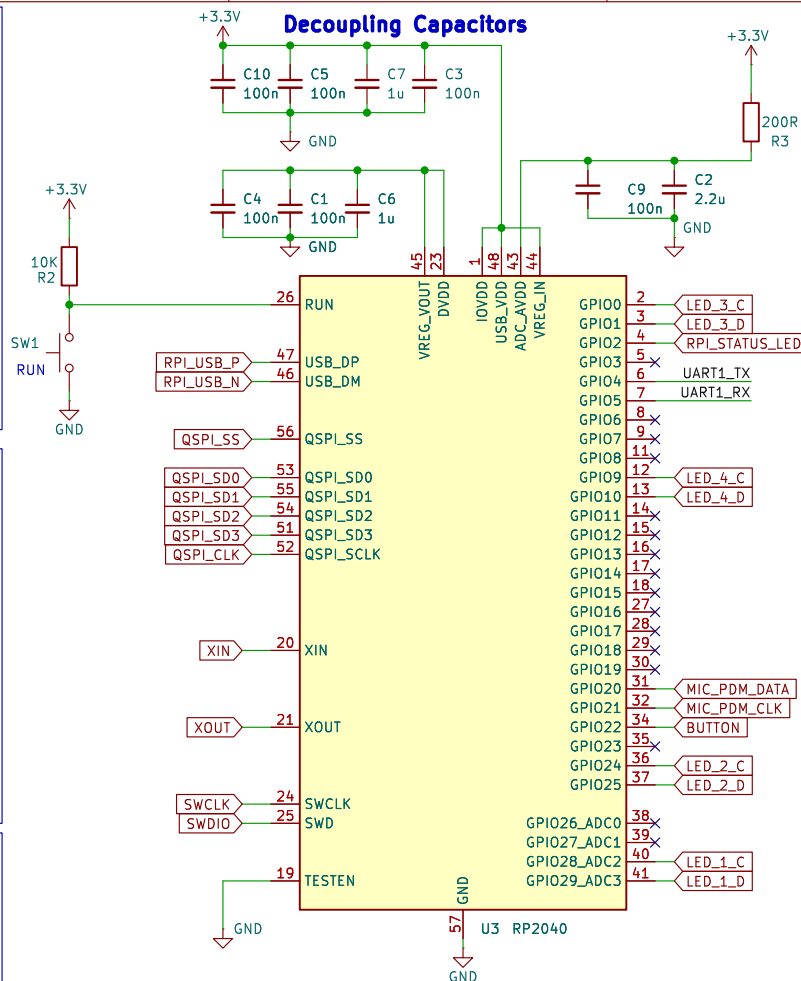


## USB 2.0 Connector For programming

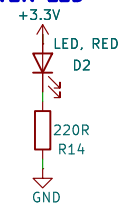
The diode will prevent reverse current from the board to the connected PC port when the power is already powered.



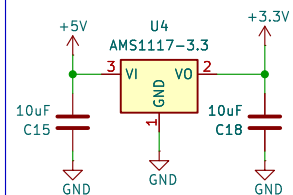
## Decoupling Capacitors



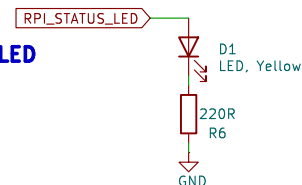
## POWER LED



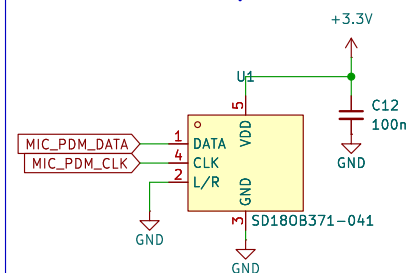
## 3.3V Linear Regulator



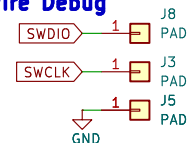
## Status LED



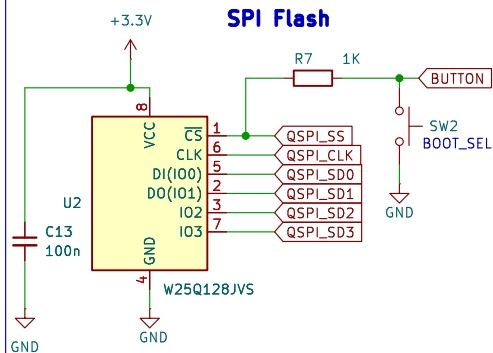
## Microphone



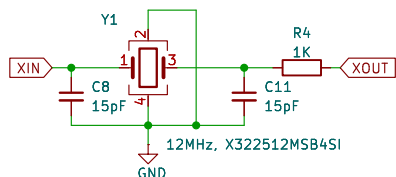
## RPI Serial Wire Debug



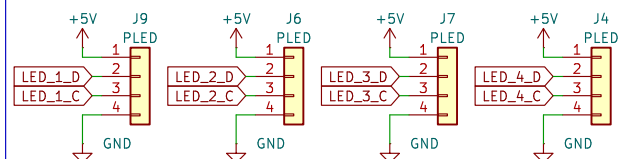
## SPI Flash



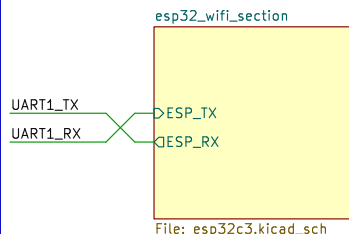
## 12 MHz Crystall Oscillator



## PIXEL LED Connectors



## ESP32 Schematics



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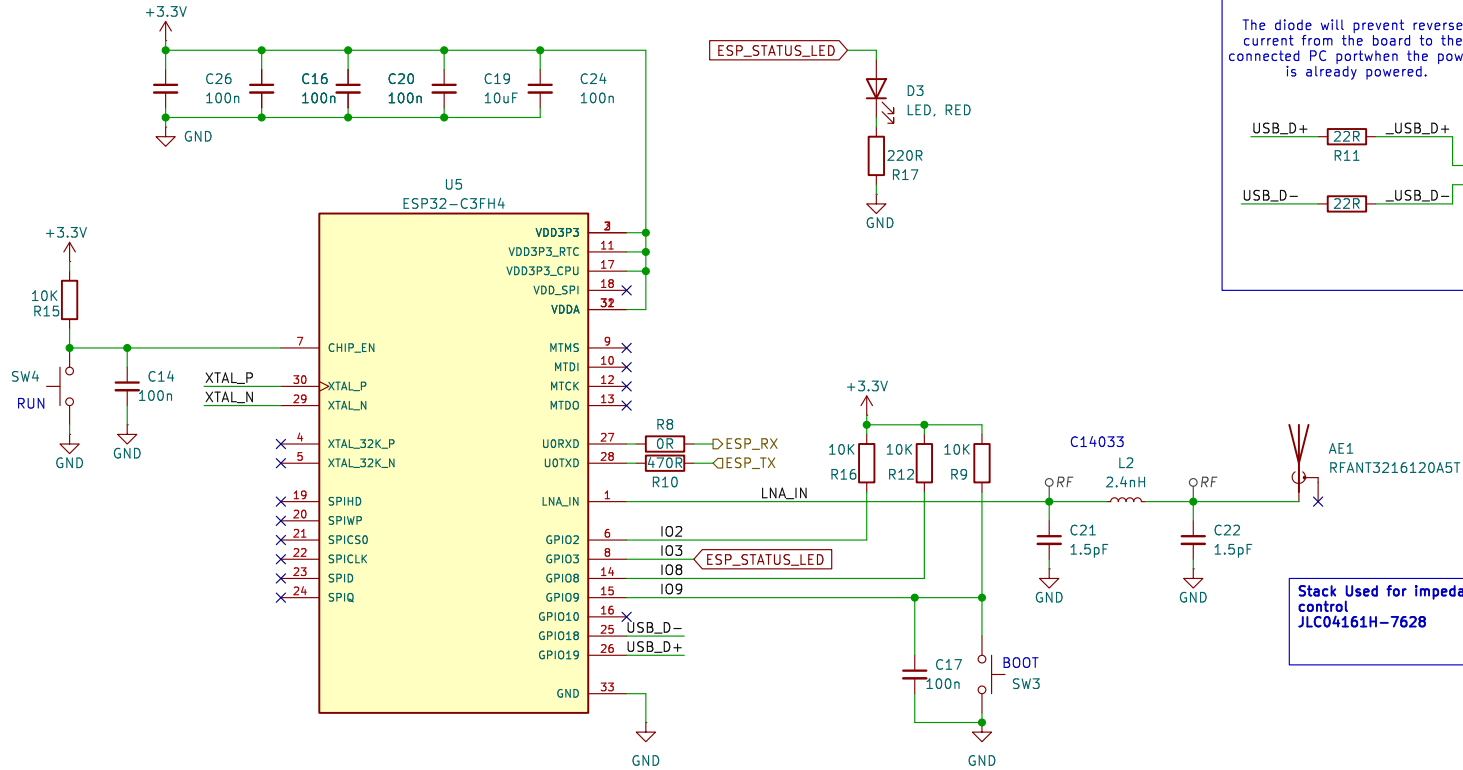
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KiCad E.D.A. 8.0.4

Rev: 2

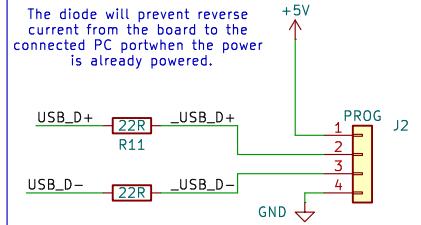
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# ESP32 Schematics

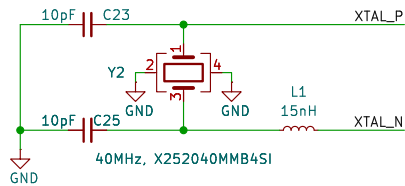


## ESP32 USB Prog Interface

The diode will prevent reverse current from the board to the connected PC port when the power is already powered.



## 40 MHz Crystall Oscillator



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