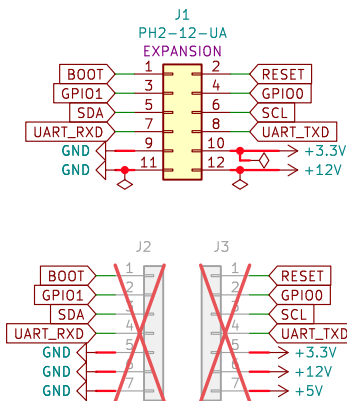


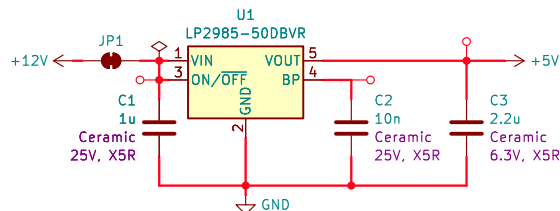
## EXPANSION PORT

- Header for accessories and factory programming
- GPIO0 and GPIO1 are free to be used for any purpose
  - UART\_RXD and UART\_TXD provide the serial port
  - SCL and SDA provide the I2C bus (QWIIC)
  - RESET and BOOT are wired in parallel with their corresponding buttons (active when tied to ground)
  - 12 V supply is unregulated, 1 A current available
  - 5 V supply is regulated, 150 mA current available
  - 3.3 V supply is regulated, 600 mA current available



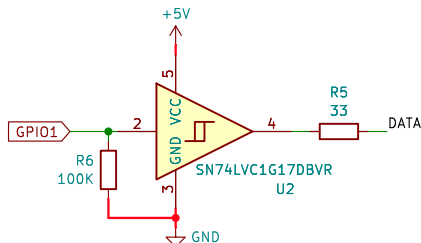
## 5 V POWER SUPPLY

Supplies 150 mA, ultra low quiescent current (microamps)



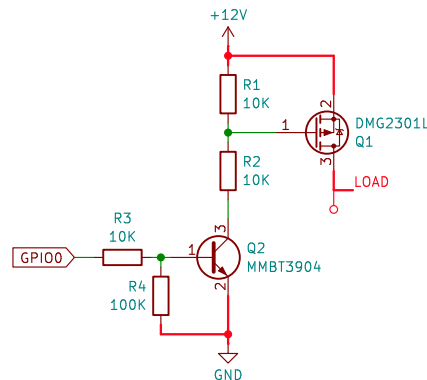
## 5 V level shifter

The driver can supply up to 32 mA at 5 V  
33 ohm resistor reduces signal reflections and protects the output



## High side P-Channel MOSFET for resistive load up to 1 A

Suitable for PWM switching at low frequencies (< 1 KHz)



## Output connector for load and data

Suitable for dimmable LED light or addressable LED strip



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**Title: Minuet Light Accessory**

Size: A4 Date: 2025-02

KiCad E.D.A. 8.0.8

**Rev: 2.5**

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