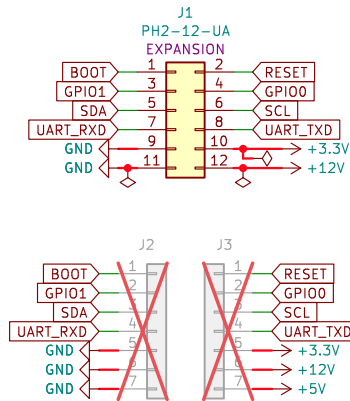


### EXPANSION PORT

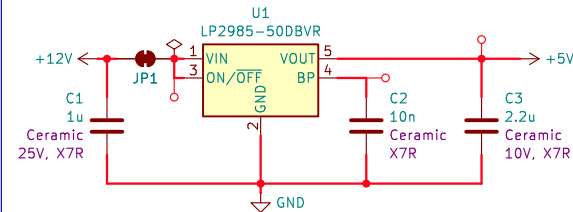
Header for accessories and factory programming

- 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 maximum current
- 5 V supply is regulated, 150 mA maximum current
- 3.3 V supply is regulated, 1 A maximum current



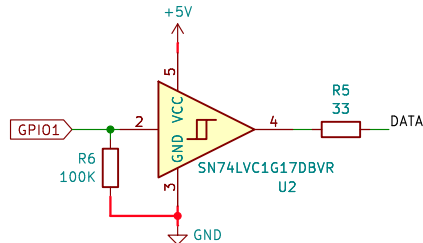
### 5 V POWER SUPPLY

150 mA maximum current, ultra low quiescent current (microamps)



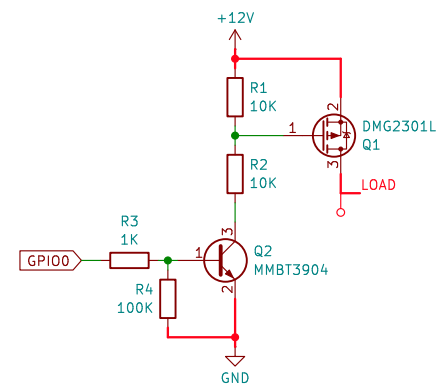
### 5 V level shifter

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



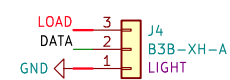
### High side P-Channel MOSFET for resistive load up to 1 A

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**

Id: 1/1