

- Header for accessories and factory programming
  - GPIO0, GPIO1, GPIO5, GPIO6 can 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 low)
  - LOCK engages the safety lock (active low)
  - 12 V supply is unregulated, 1 A current available
  - 3.3 V supply is regulated, 600 mA current available



Supplies 150 mA, ultra low quiescent current (microamps)



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



Suitable for PWM switching at low frequencies ( $< 1 \text{ KHz}$ )

DMG2301L parameters

- $V_{gss} \text{ max} = -8 \text{ V}$

- $V_{dss \text{ max}} = -20 \text{ V}$   
 $I_{d \text{ max}} = 3 \text{ A}$

- Id max = -3 A

- $R_{ds(on)} \text{ max} = 120 \text{ m}\Omega$



Suitable for PWM dimmable LED light or addressable LED strip



**Brown Studios LLC**

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File: light.kicad\_sch

**Title: Minuet Light Accessory**

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