





LED\_B = Blink  
LED\_P = PWM  
LED\_D = Digital

LED Resistor  
 $3V3(Supply) - 2V2(LED) - 0.7(transistor) = 0.4V$   
 $R_{led} = 0.4V / 20mA = 20\ \Omega$   
 rounded to 22  $\Omega$

Sheet: /LED\_brd/  
File: LED\_brd.sch

**Title:**

Size: A4

Date:

Rev:

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