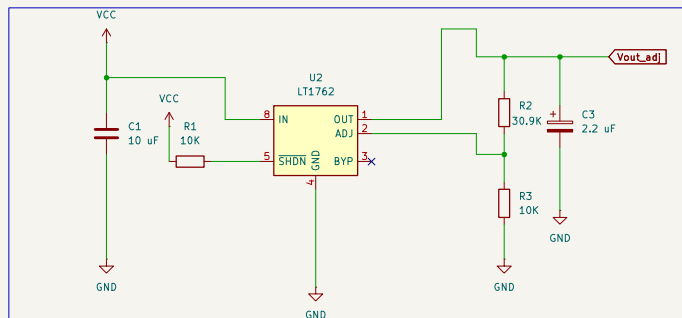
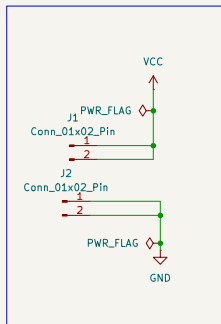


$V_{out} = V_{adj} * ((1 + (R2/R3)) + (I_{ADJ} * R2))$   
 $V_{out} = 5\text{ V}$   
 $V_{adj} = 1.22\text{ V}$   
 $R3 = 10\text{ K}\Omega$   
 $I_{ADJ} = 30\text{ nA at } 25^{\circ}\text{C}$   
So,  $R2 = 30.9\text{ k}\Omega$

## Low Drop Out Regulator



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File: Exercise1.kicad\_sch

**Title:**

Size: A4  
KiCad E.D.A. 9.0.2

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Rev:  
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