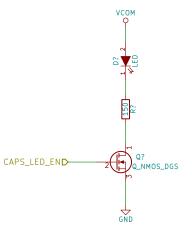


## CAPS LED

Use higher unregulated voltage to ensure the LED is driven.



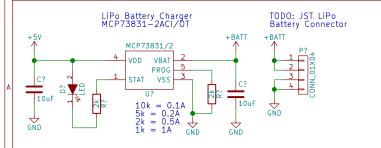
Matrix Mode	Pin	Pin Mode / Direction	Comment
Scanning		Out	Drive '0' to not interfere with scan. Drive '0' to select a row to read, drive '1' to others Read the column ports to discover key states for the selected row. '0'=Key Pressed.
Power Down	ROWn		Used as interrupt to wake MCU in this mode. Enable P.U. on pin. 'O'=Key Pressed. Drive '1' to deselect all rows. Drive 'O' to select all collumns.

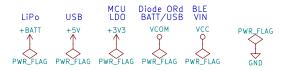
Sheet: /Matrix/ File: matrix.sch

Title: picoPOKER Keyboard

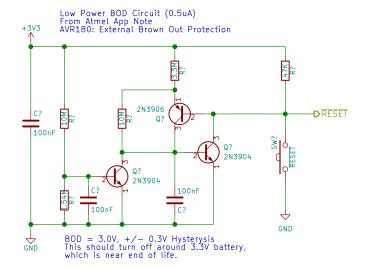
 Size: A4
 Date: 2000-12-31
 Rev: 

 KiCad E.D.A. kicad 4.0.2-stable
 Id: 3/4



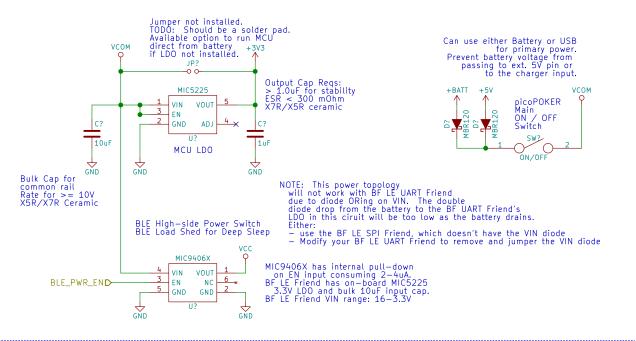


## Power Rail Descriptions



Recommended Tolerances: BJTs - Ice >= 2.5mA, Vce >= 8V, Beta/Hfe >= 100 R1/R2\_divider - 1% Other Rs, 20% Cs - < 20%, Z5U dielectric or better

## MCU and BLE Power Generation & Control

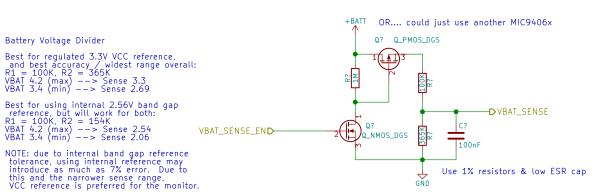


## Battery Voltage Monitor (ADC input)

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Battery Voltage Divider

this and the narrower sense range,



Sheet: /Powe	-/	
File: power.sc	h h	
Γitle: pico	POKER Keyboard	
Size: A4	Date: 2000-12-31	Rev: -

Id: 4/4