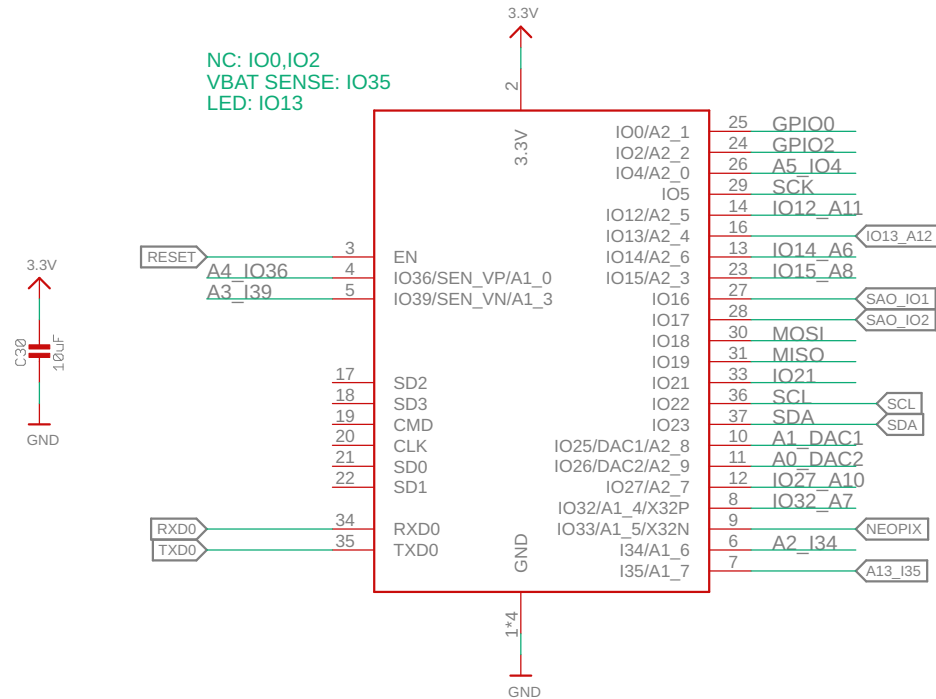


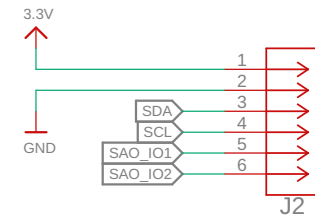
# ESP32 MICROCONTROLLER



AVAILABLE IO

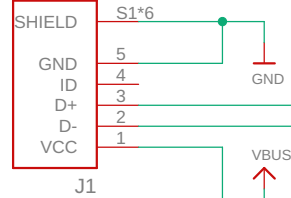
- A0\_DAC2
- A1\_DAC1
- A2\_I34
- A3\_I39
- A4\_IO36
- A5\_IO4
- SCK
- MOSI
- MISO
- IO21
- IO13\_A12
- IO12\_A11
- IO27\_A10
- IO15\_A8
- IO32\_A7
- IO14\_A6

## SAO CONNECTOR

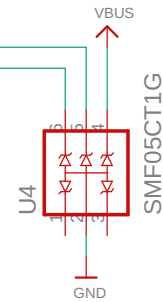


ISSUE	>COMPANY		© >YEAR
DRAWN >DRAWN	TITLE		REV >REV
CHECKED >CHECKED	DATE 2022-01-09 4:50 PM	DRG N° >DRGNO	
DATE >DATE	FILE: version3e	PAGE: 1/1	

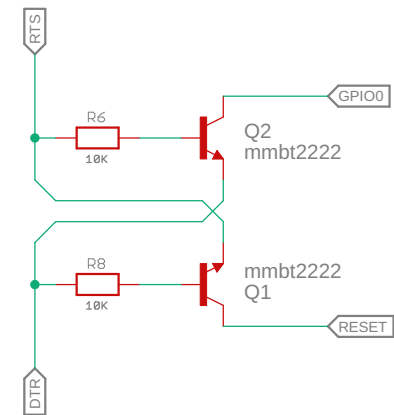
10118192-0002LF



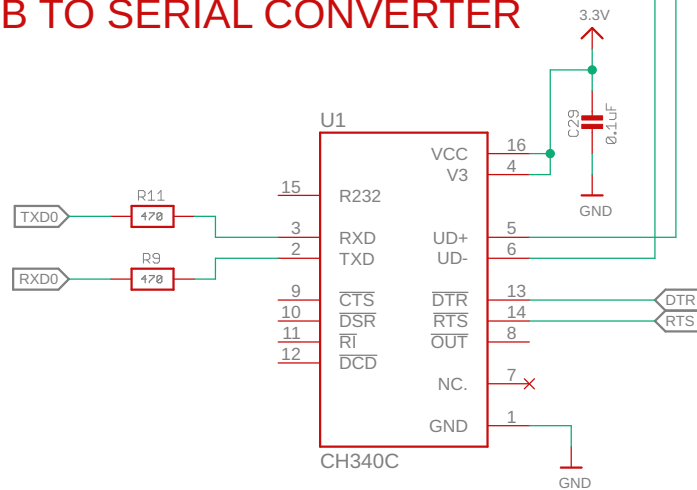
## ESD PROTECTION



## AUTO-RESET CIRCUIT

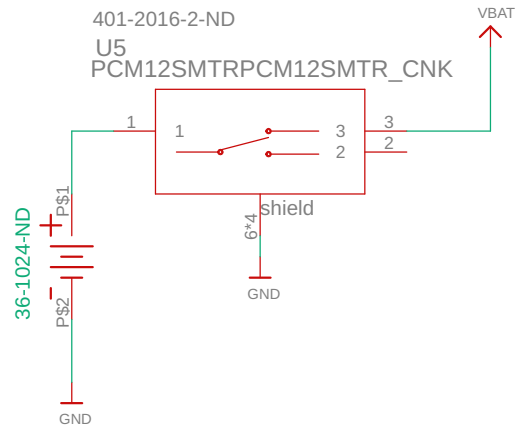


## USB TO SERIAL CONVERTER

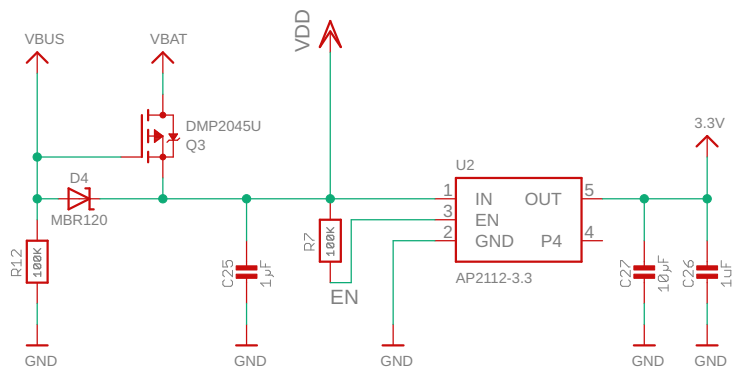


	1	2	3	4	5	6
A						A
B						B
C						C
D	<div>CHANGE LOG V3d -&gt; V3e</div> <ul style="list-style-type: none"><li>- C25 changed to 1uF</li><li>- Added shield on power switch</li><li>- Updated dm3415u to DMP2045U</li><li>- Inverted RX/TX</li><li>- Added 4.7uF at battery charger input</li><li>- Added SAO gpio pin</li><li>- Changed C29 to 0.1uF</li></ul>					D
	1	2	3	4	5	6

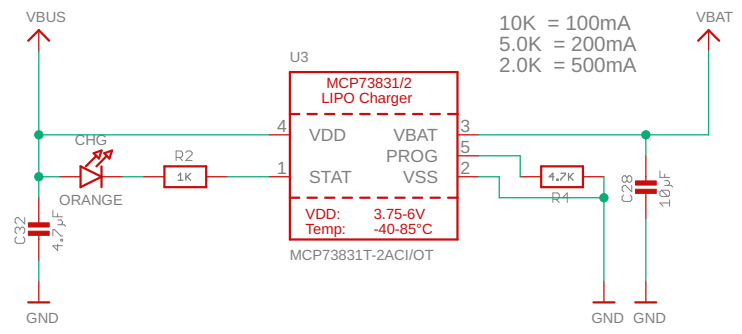
POWER SWITCH



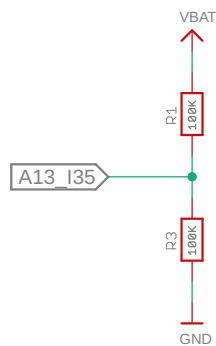
POWER AND FILTERING



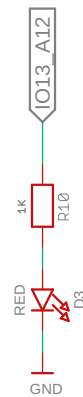
LIPO CHARGING



BATTERY SENSING



STATUS LED



RESET BTN

