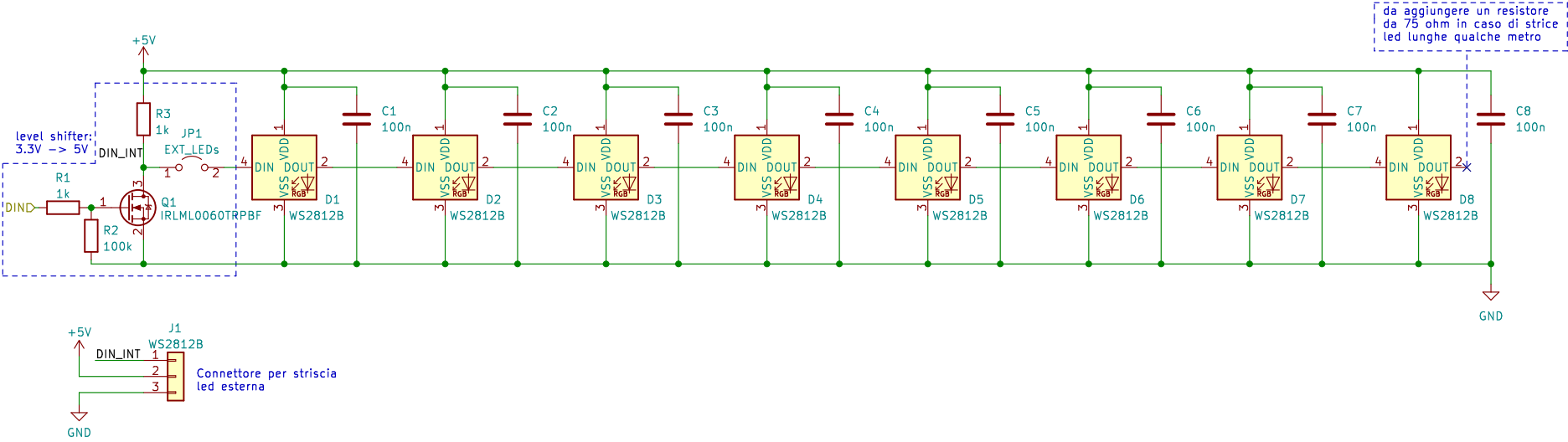


Ilaria Zamai Alessandro Speranza Edoardo Nicolodi Filippo Castellan		
Sheet: / File: scheda PSE.kicad_sch		
Title: Scheda PSE RP2040		
Size: A4	Date: 2023-04-04	Rev: 1.0
KiCad E.D.A. kicad (6.0.8)		Id: 1/6

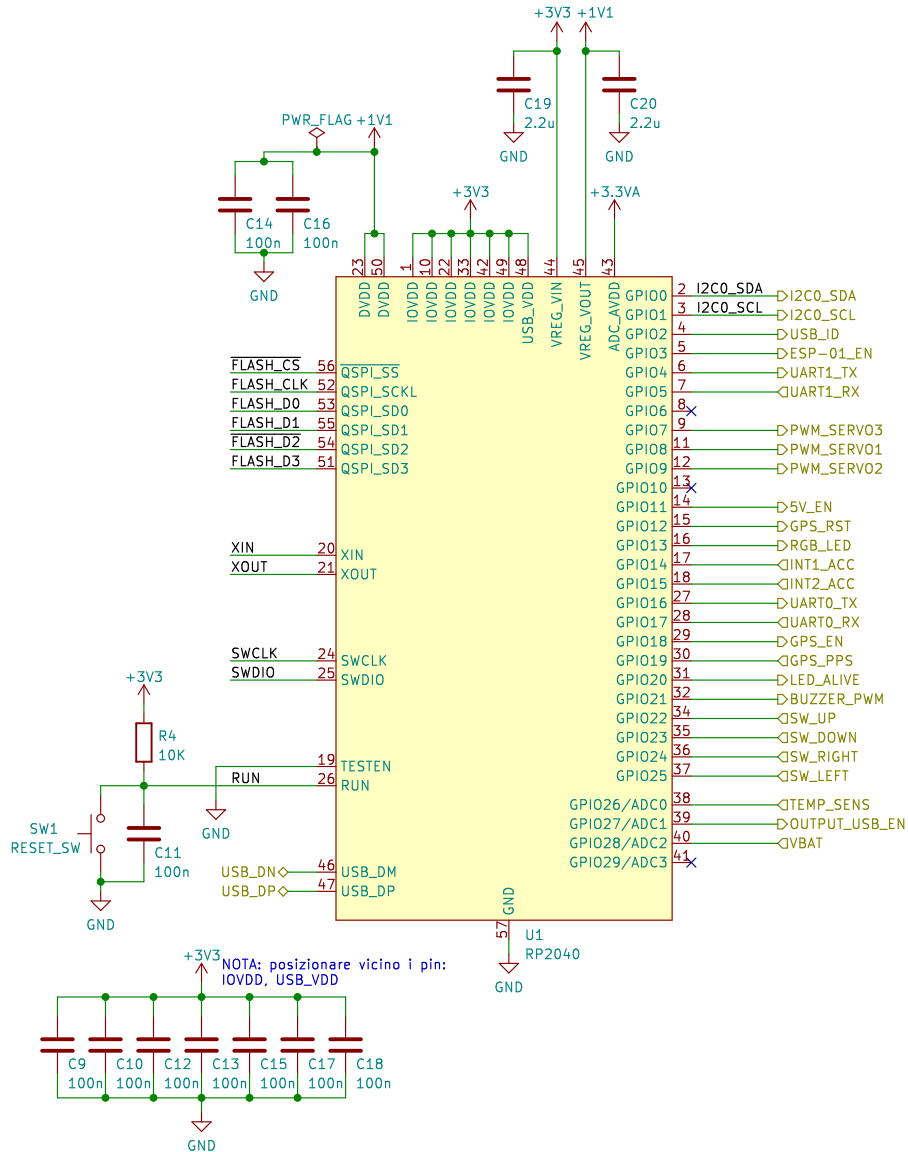
8X WS2812B RGB LEDS

Per ogni IC LED va posto un condensatore di filtro da 100nF
VDD +3V7 - 5V3

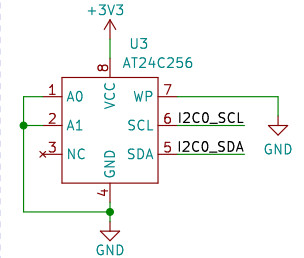


Ilaria Zamai Alessandro Speranza Edoardo Nicolodi Filippo Castellan		
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Title: Scheda PSE RP2040		
Size: A4	Date: 2023-04-04	Rev: 1.0
KiCad E.D.A. kicad (6.0.8)		Id: 2/6

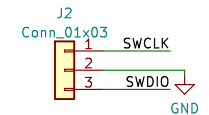
Circuito principale RP2040



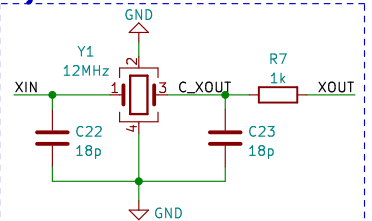
EEPROM



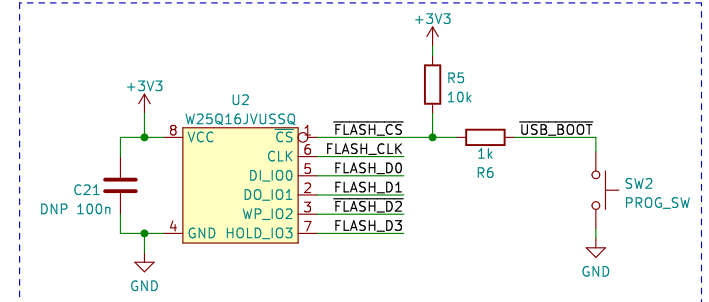
Debug



Crystal



Flash



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Edoardo Nicolodi
Filippo Castellan

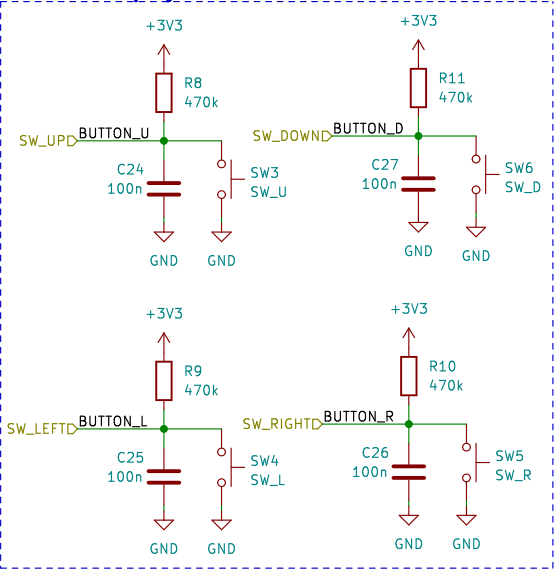
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File: rp2040.kicad_sch

Title: Scheda PSE RP2040

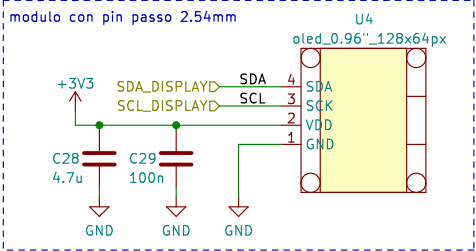
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KiCad E.D.A. kicad (6.0.8)

Rev: 1.0
Id: 5/6

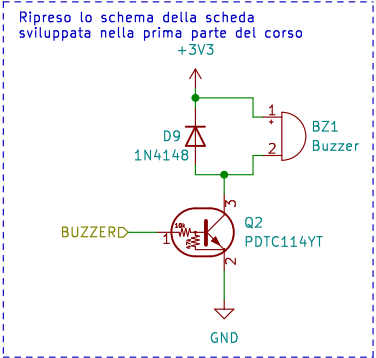
Pulsanti display



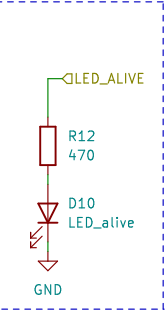
Display



Buzzer

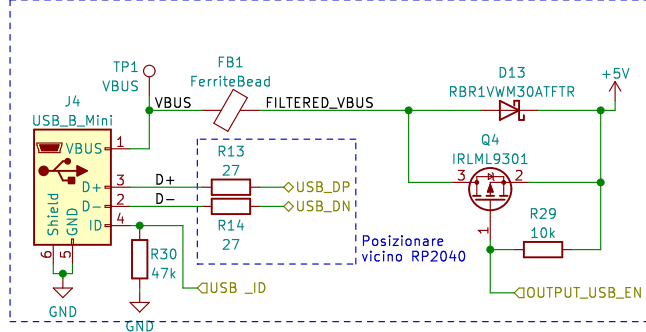


LED_alive

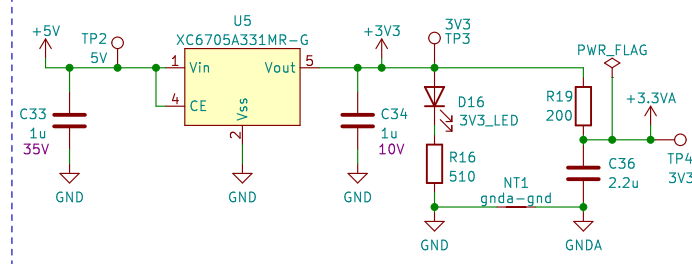


Ilaria Zamai Alessandro Speranza Edoardo Nicolodi Filippo Castellan		
Sheet: /Interfaccia utente/ File: Interfaccia_utente.kicad_sch		
Title: Scheda PSE RP2040		
Size: A4	Date: 2023-04-04	Rev: 1.0
KiCad E.D.A. kicad (6.0.8)		Id: 5/6

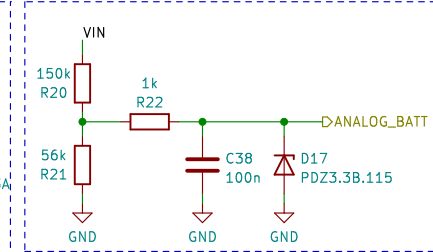
Mini USB



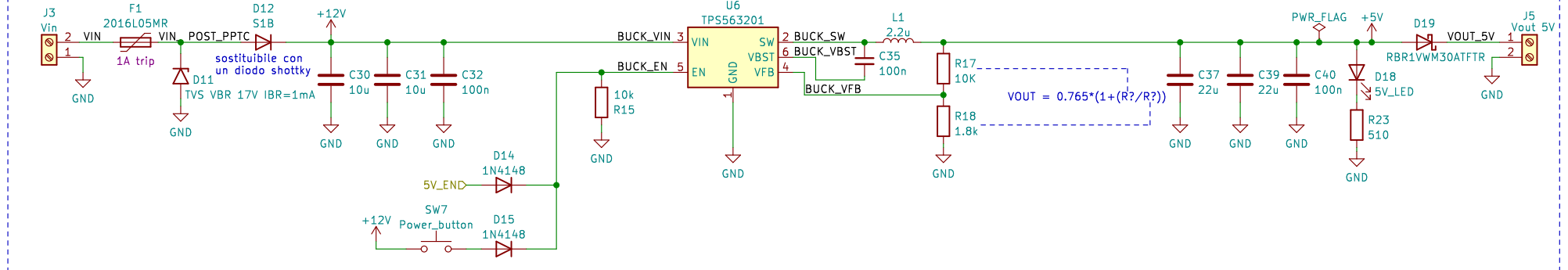
Regolatore di tensione lineare (LDO) 3.3V



Tensione di controllo Batteria



Buck converter: Vin 4.5–17V, Vout 3.3V 3A (max)



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Edoardo Nicolodi
Filippo Castellan

Sheet: /Alimentazione/
File: alimentazione.kicad_sch

Title: Scheda PSE RP2040

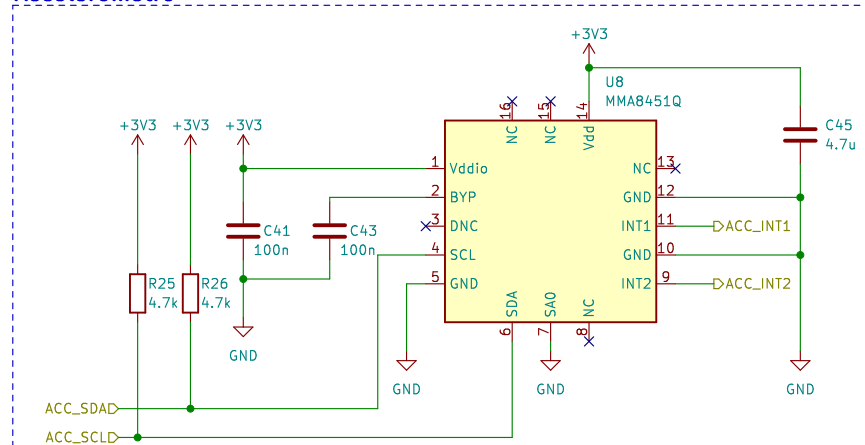
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KiCad E.D.A. kicad (6.0.8)

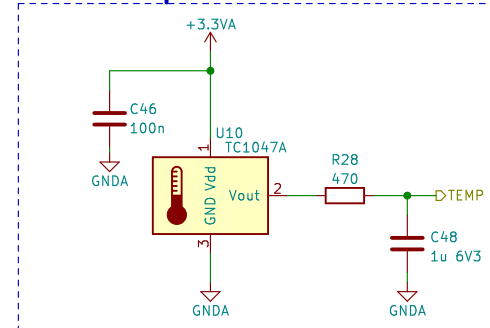
Rev: 1.0

Id: 6/6

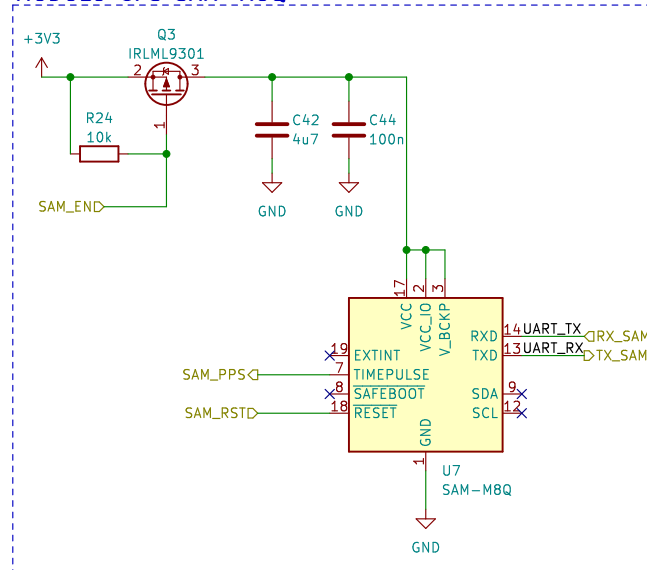
Accelerometro



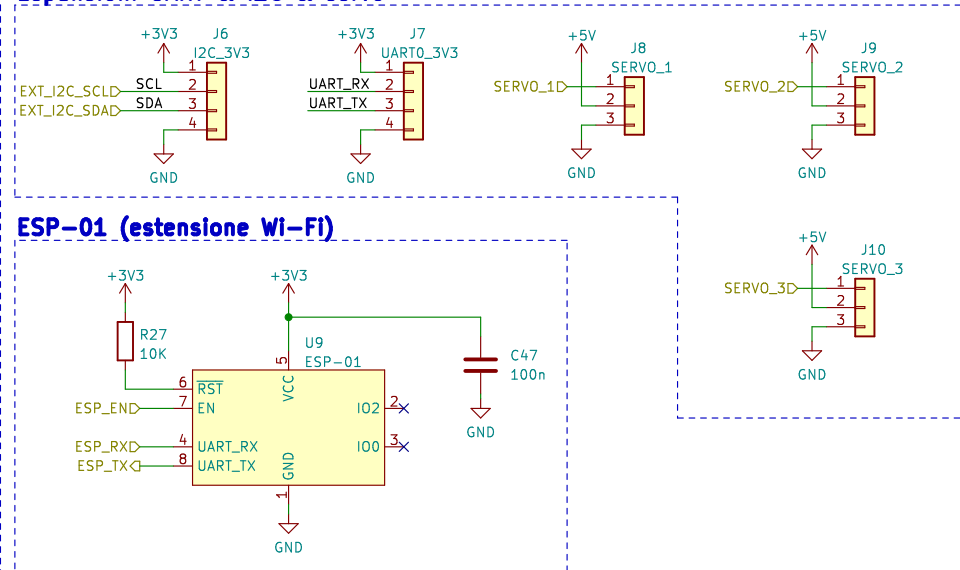
Sensore temperatura



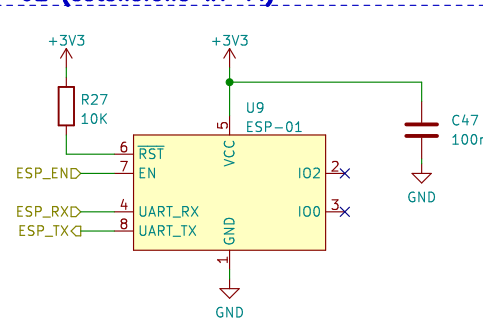
MODULO GPS SAM-M8Q



Espansioni UART & I2C & servo



ESP-01 (estensione Wi-Fi)



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Sheet: /Sensori/
File: sensori.kicad_sch

Title: Scheda PSE RP2040

Size: A4 Date: 2023-04-04
KiCad E.D.A. kicad (6.0.8)

Rev: 1.0
Id: 6/6