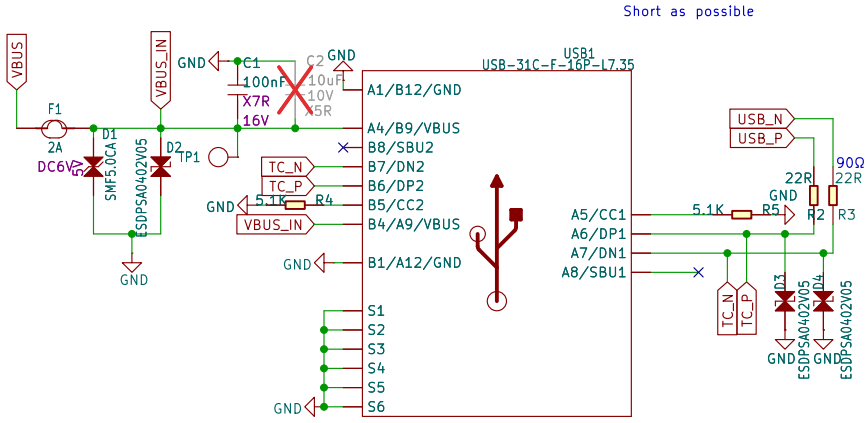
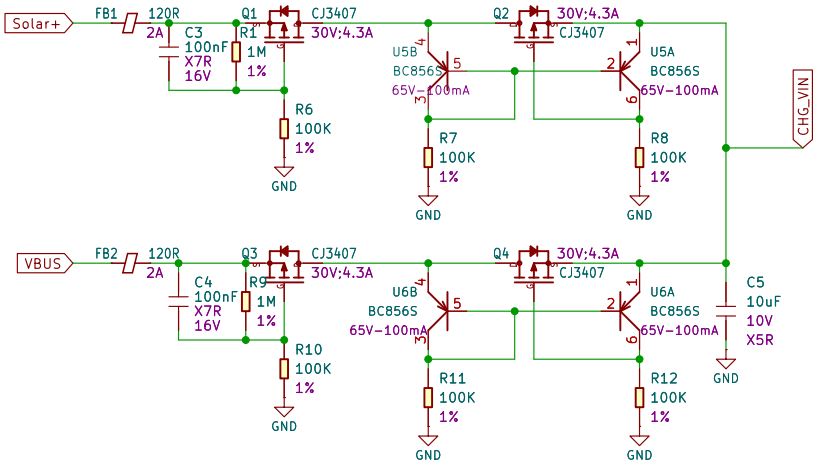
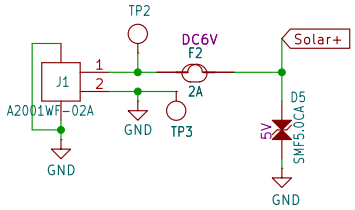
USB



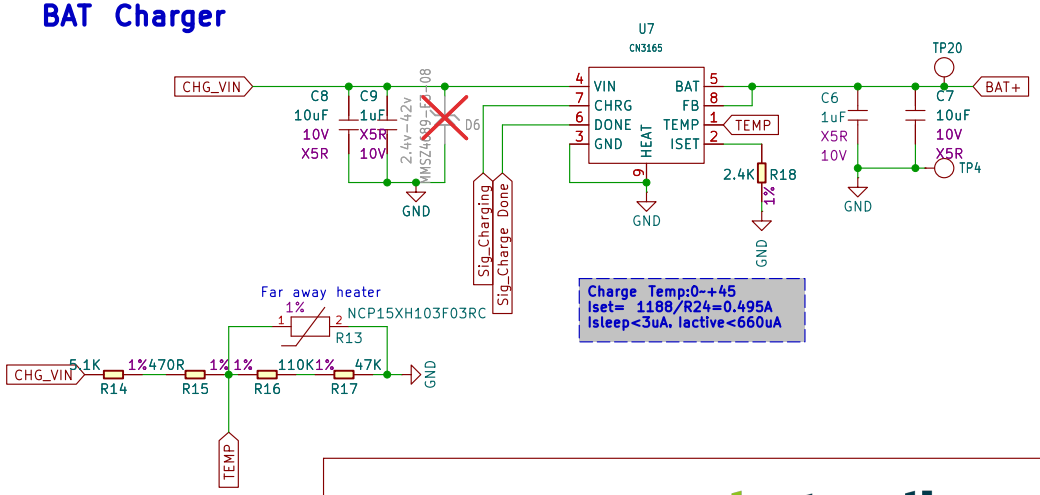
Input protection



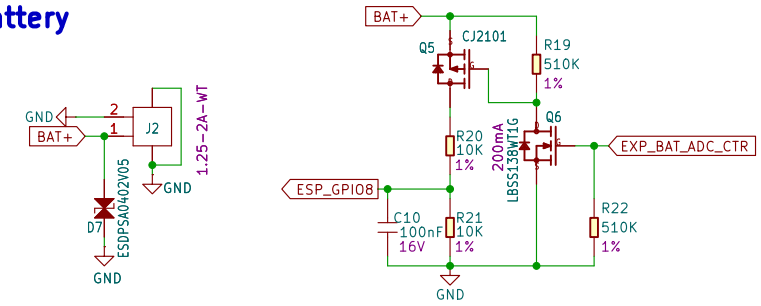
Solar



BAT Charger



Battery



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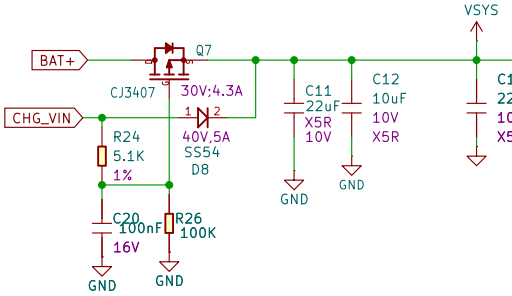
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Title: Wio-LR2021 Dev Kit

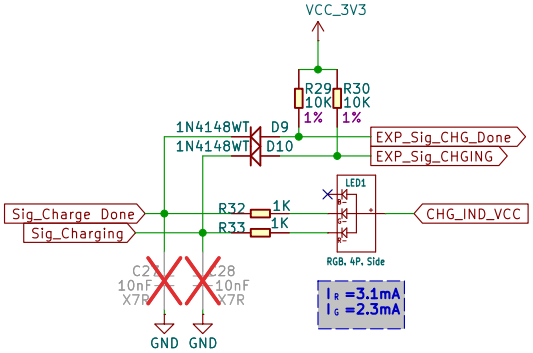
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KiCad E.D.A. 10.0.2		Id: 5/10

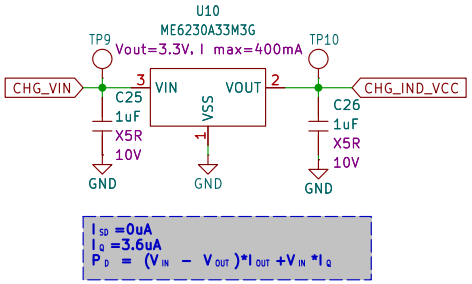
Power Switch



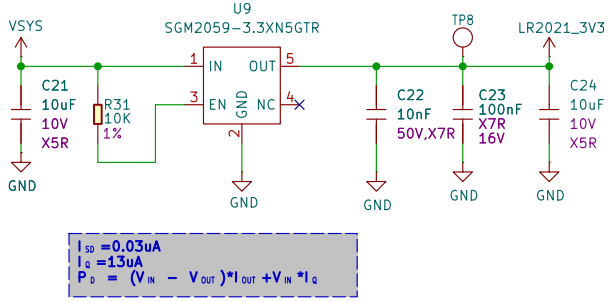
DC-DC BUCK
MAIN 3.3V

Charger RGB





LR2021 3.3V



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Sheet: /DCDC 3V3 & LDO 3V3/
File: DCDC 3V3 & LDO 3V3.kicad_sch

Title: Wio-LR2021 Dev Kit

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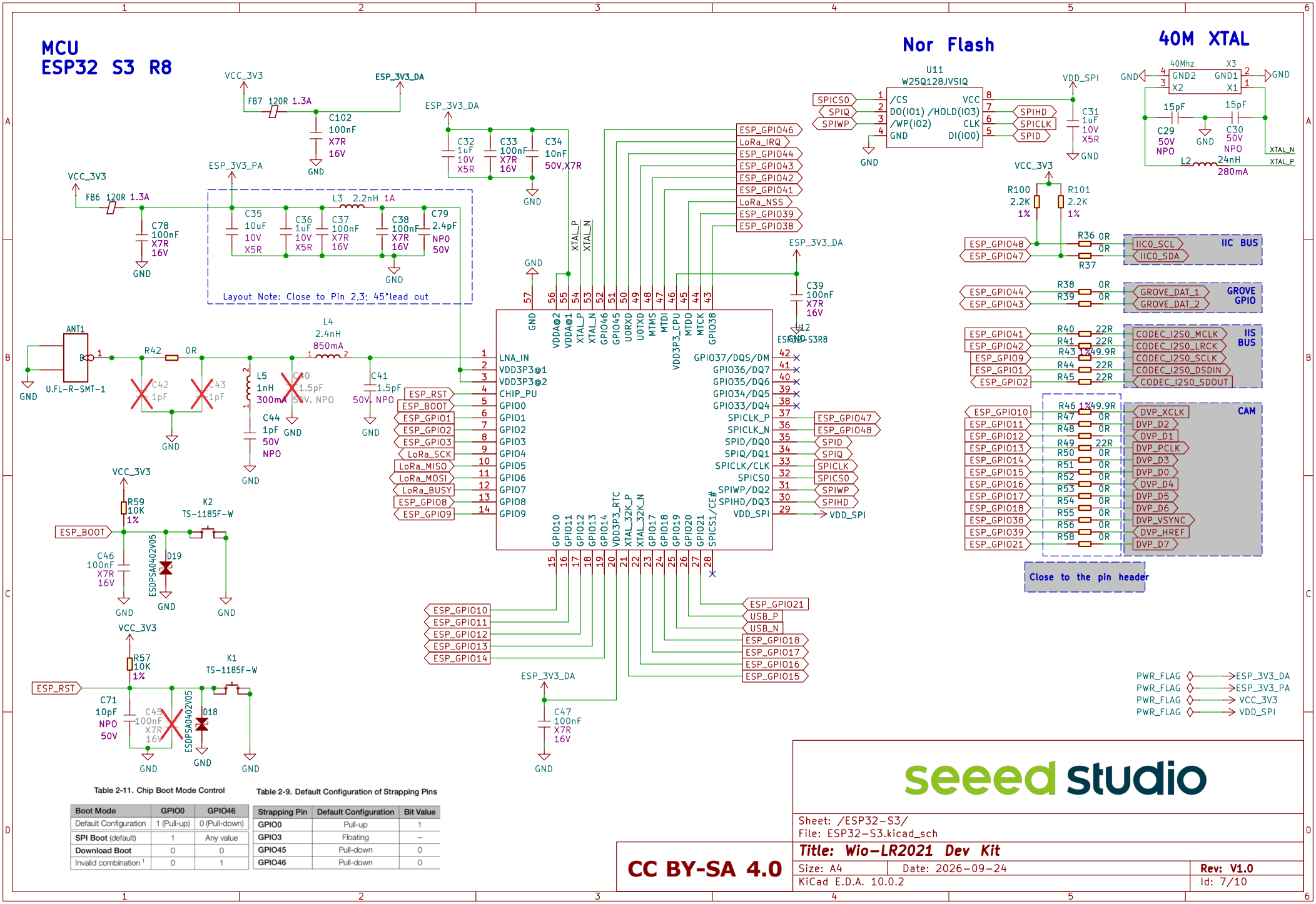


Table 2-11. Chip Boot Mode Control

Boot Mode	GPIO0	GPIO46
Default Configuration	1 (Pull-up)	0 (Pull-down)
SPI Boot (default)	1	Any value
Download Boot	0	0
Invalid combination [1]	0	1

Table 2-9. Default Configuration of Strapping Pins

Strapping Pin	Default Configuration	Bit Value
GPIO0	Pull-up	1
GPIO3	Floating	–
GPIO45	Pull-down	0
GPIO46	Pull-down	0

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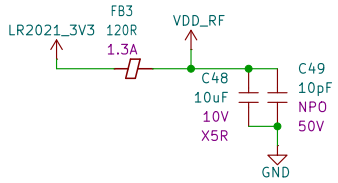
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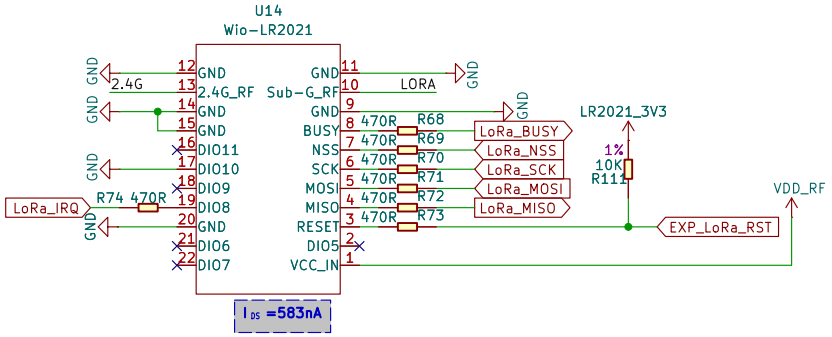
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Size: A4 | Date: 2026-09-24 | **Rev: V1.0**
KiCad E.D.A. 10.0.2 | Id: 7/10

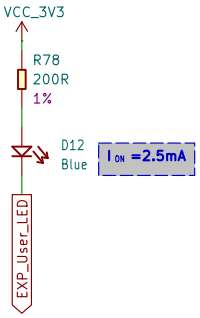
LR2021



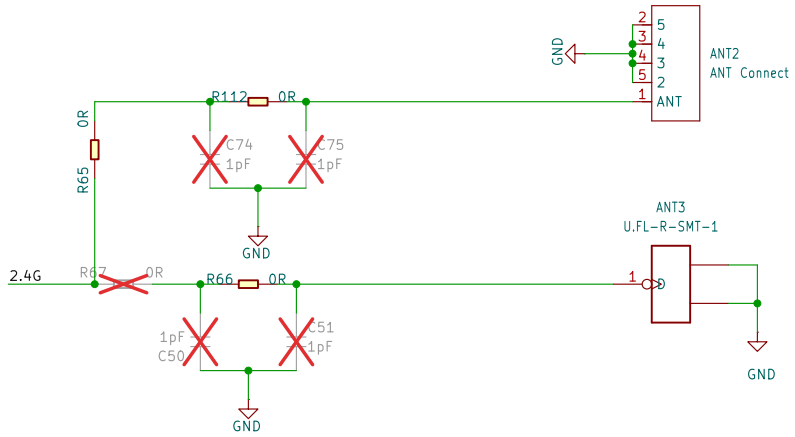


PWR_FLAG ⟷ VDD_RF

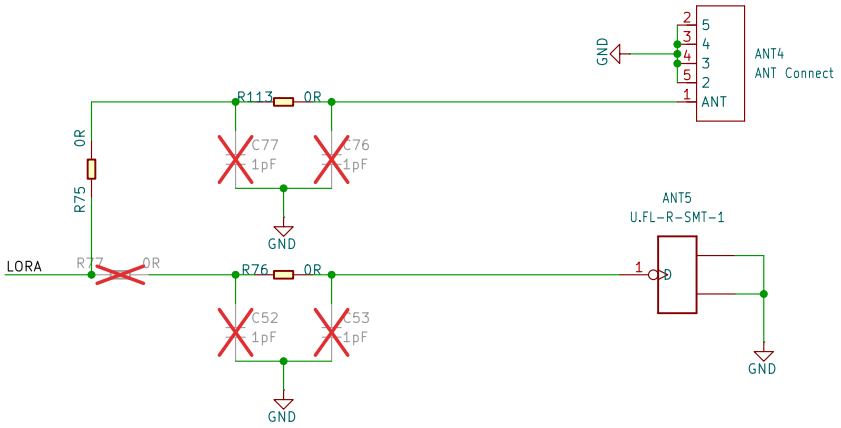
User/Lora LED



2.4G ANT



LORA ANT



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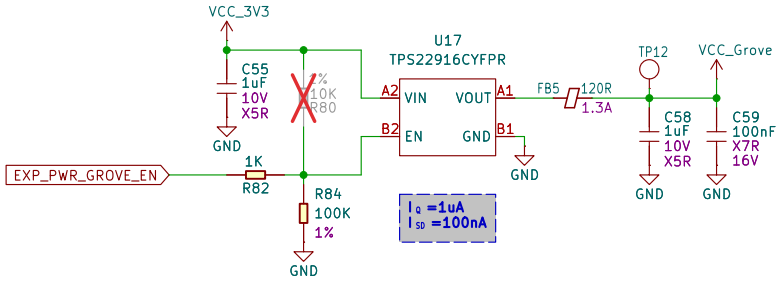
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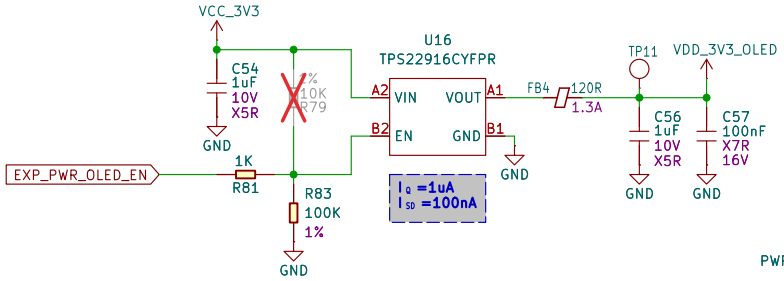
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GROVE Load switch



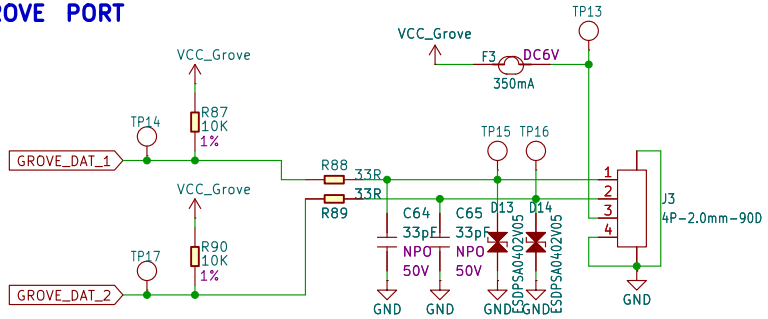
PWR_FLAG ◇→ VCC_Grove

OLED Load switch

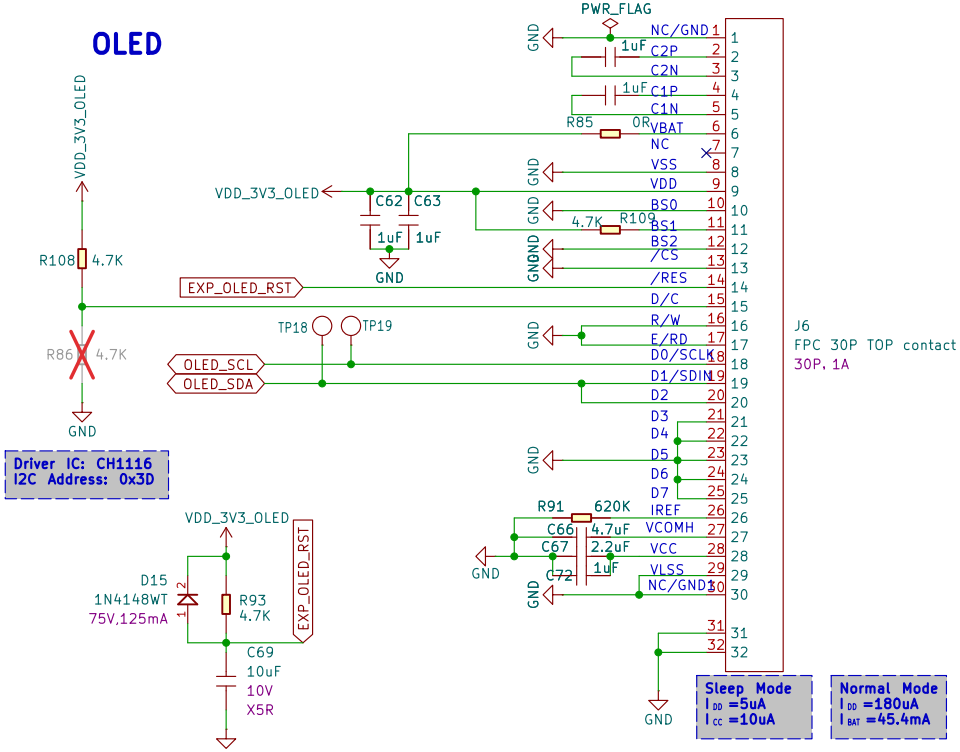


PWR_FLAG ◇→ VDD_3V3_OLED

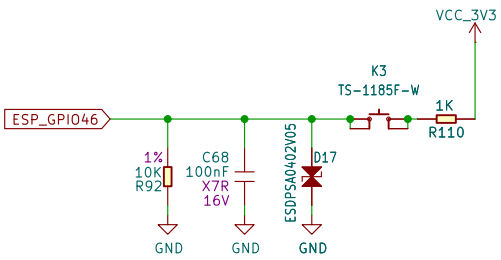
GROVE PORT

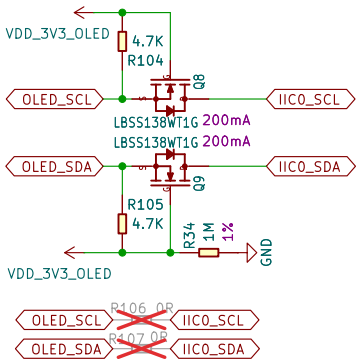


OLED



User Button





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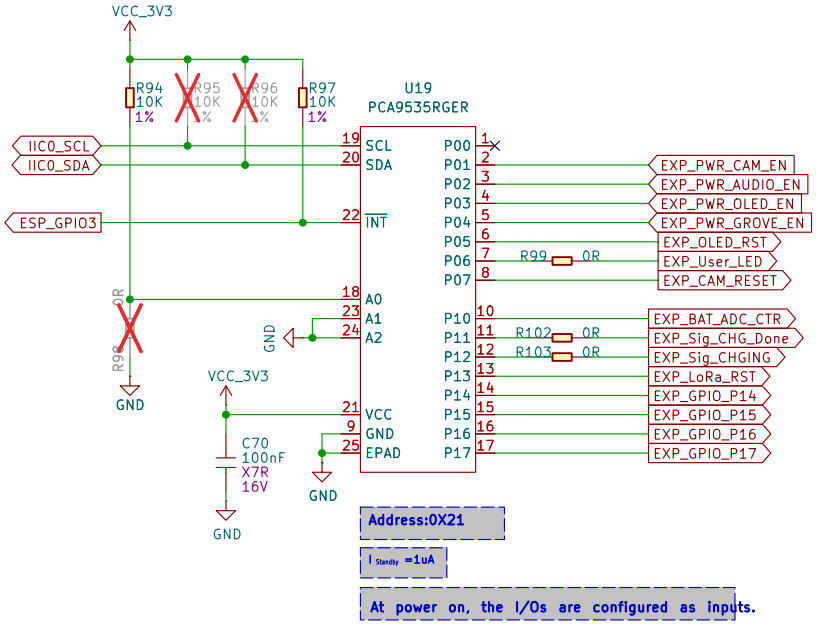
seeed studio

Sheet: /OLED & GROVE/
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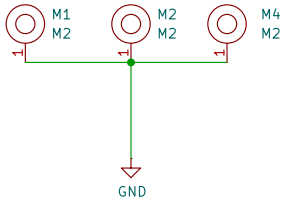
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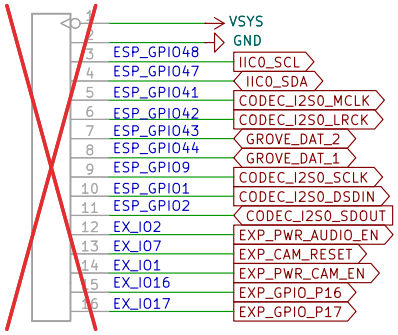
GPIO Expander



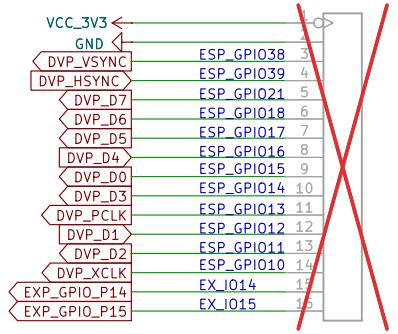
M2 Screw



Expansion Header



DIP Black Male Header VERT;1*16P-2.54-2.54-11.6/3.0m



DIP Black Male Header VERT;1*16P-2.54-2.54-11.6/3.0m

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Sheet: /GPIO EXP & EXP HEADER/
File: GPIO EXP & EXP HEADER.kicad_sch

Title: Wio-LR2021 Dev Kit

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