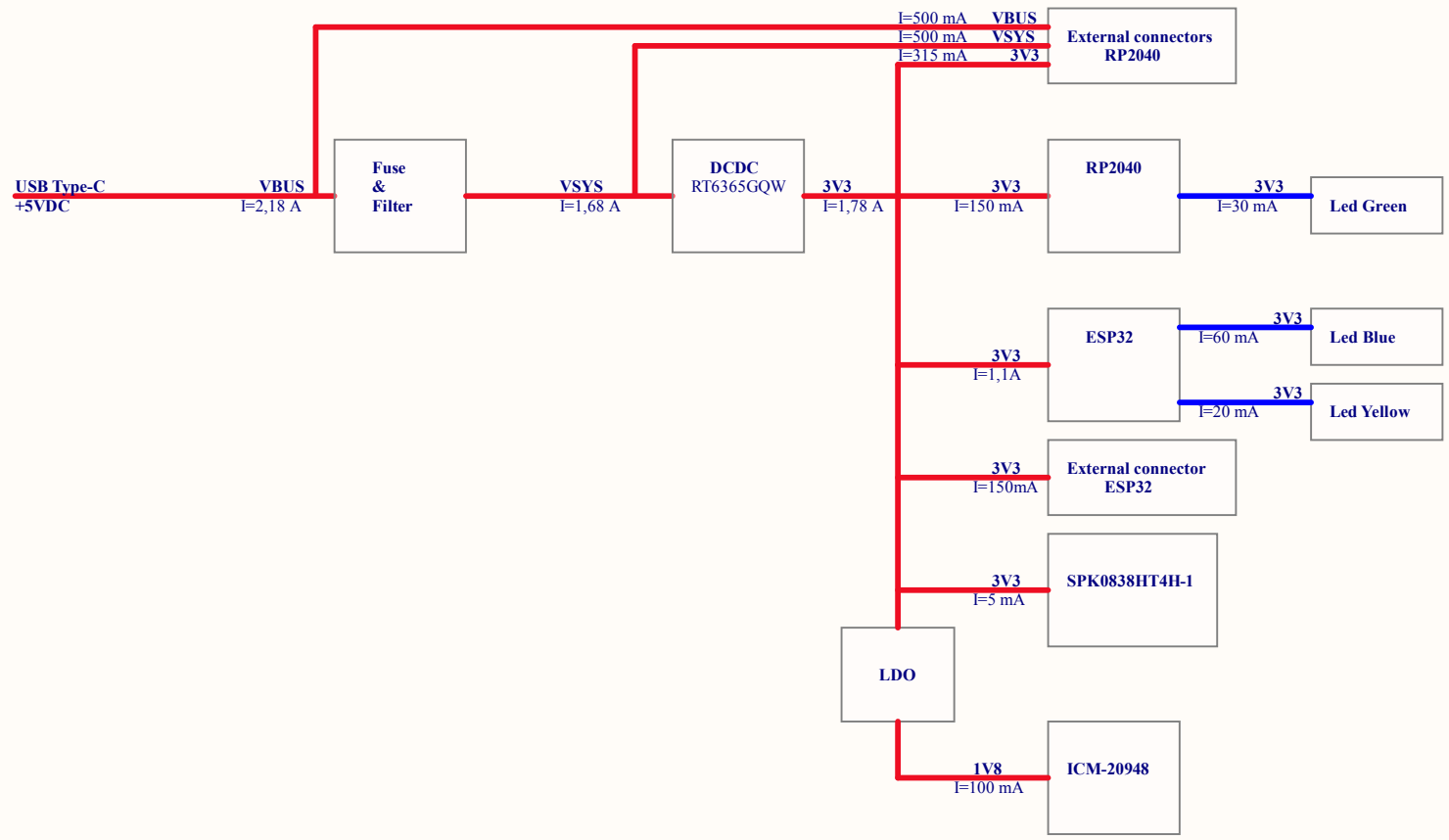


Title: Seco D81 Udoo RP2040		
Block diagram		
Size: A4	Number: D81	Revision: B3
File: SE0D81B3_Diagram.SchDoc	Date: 25/03/2022	
Author: RB	Verified: LM	Sheet 1 of 8

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D81 - POWER MAP



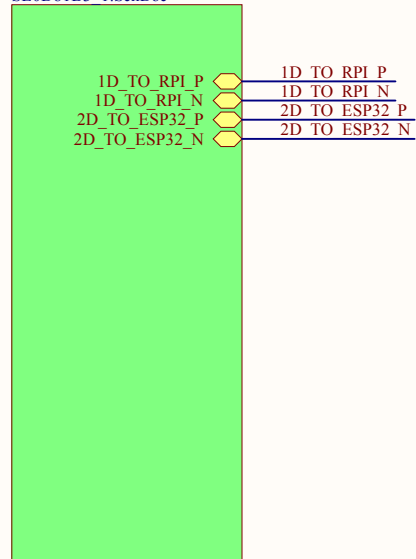
— Always Rails
— Run Rails

Title: Seco D81 Udoo RP2040		
Power Tree		
Size: A4	Number: D81	Revision: B3
File: SE0D81B3_PowerTree.SchDoc	Date: 25/03/2022	
Author: RB	Verified: LM	Sheet 2 of 8

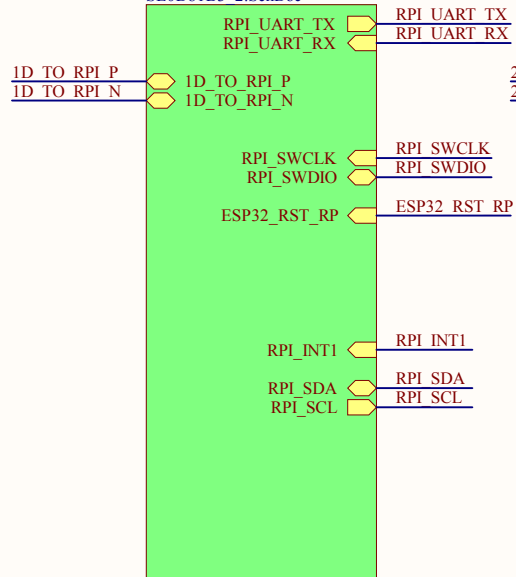
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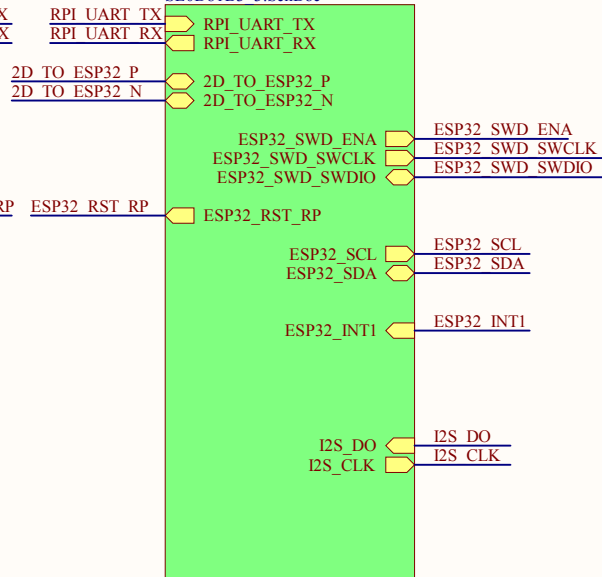
Power Supply
SE0D81B3_1.SchDoc



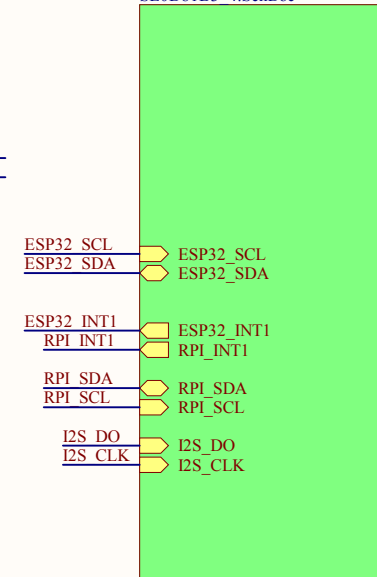
RP2040
SE0D81B3_2.SchDoc



ESP32
SE0D81B3_3.SchDoc



Sensors OnBoard
SE0D81B3_4.SchDoc



Programming
SE0D81B3_5.SchDoc

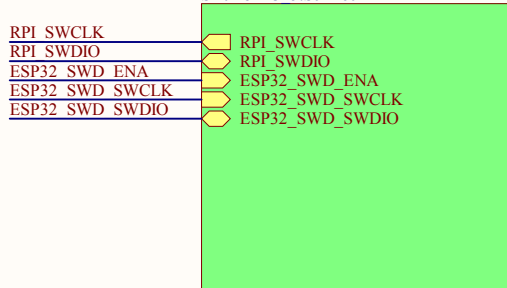
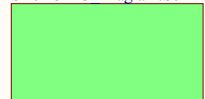
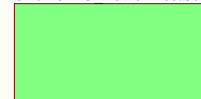


Diagram
SE0D81B3_Diagram.SchDoc



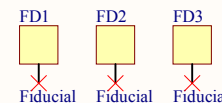
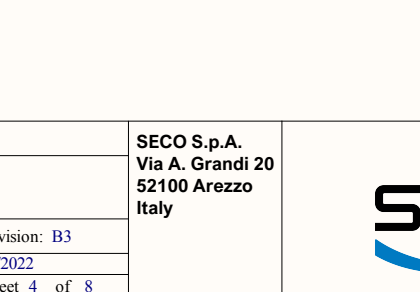
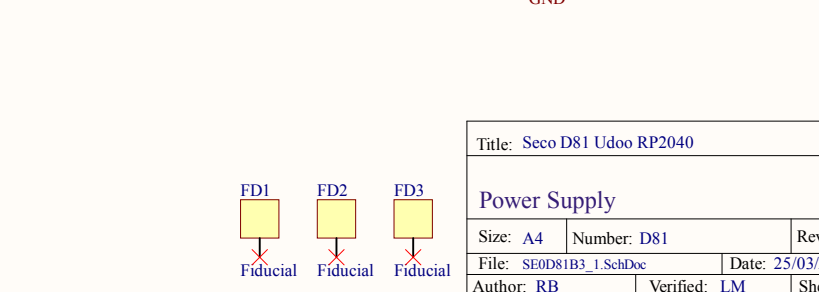
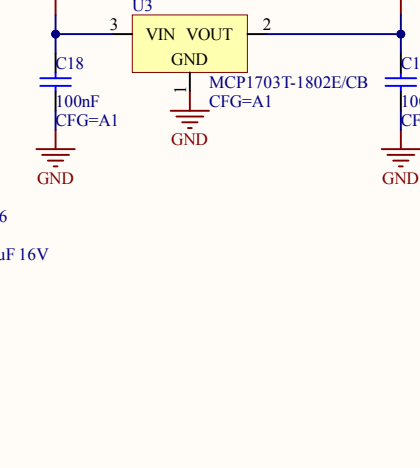
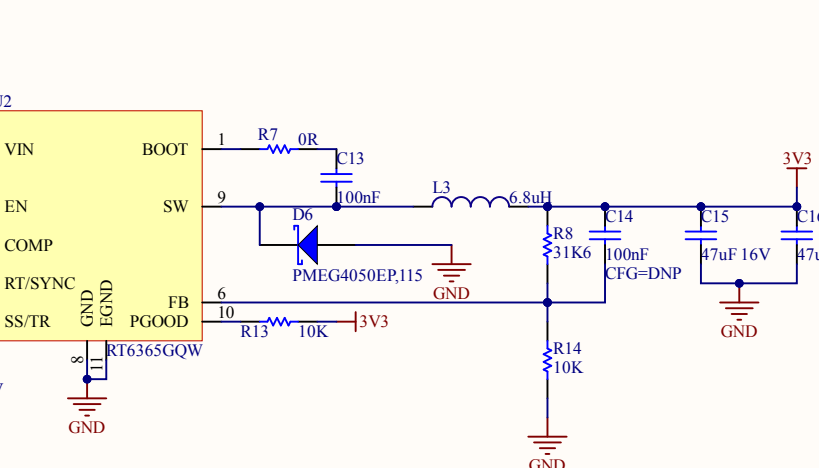
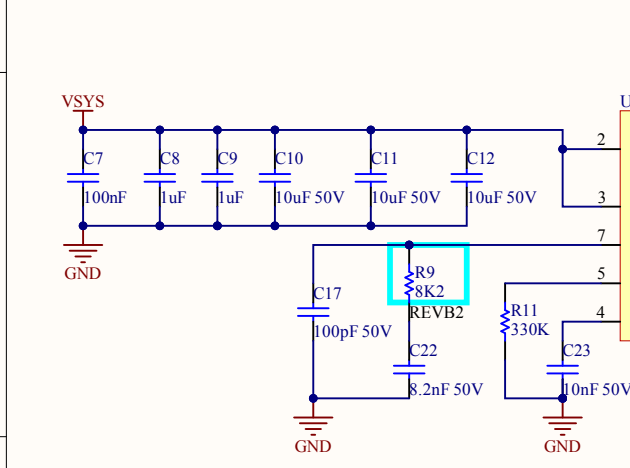
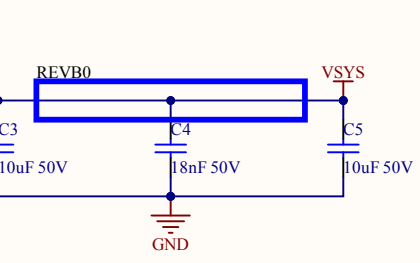
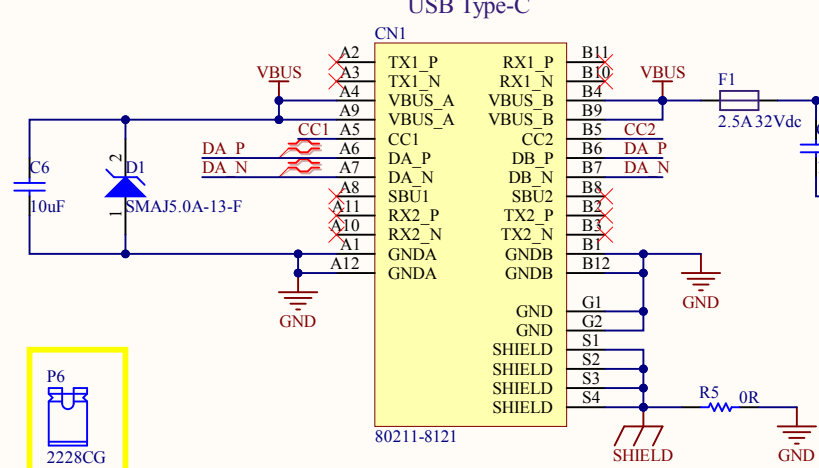
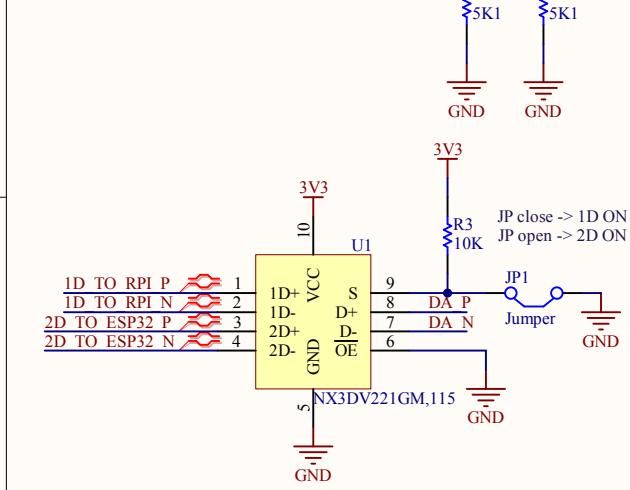
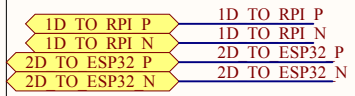
Power Tree
SE0D81B3_PowerTree.SchDoc



Title: Seco D81 Udoo RP2040		
Schematic Index		
Size: A4	Number: D81	Revision: B3
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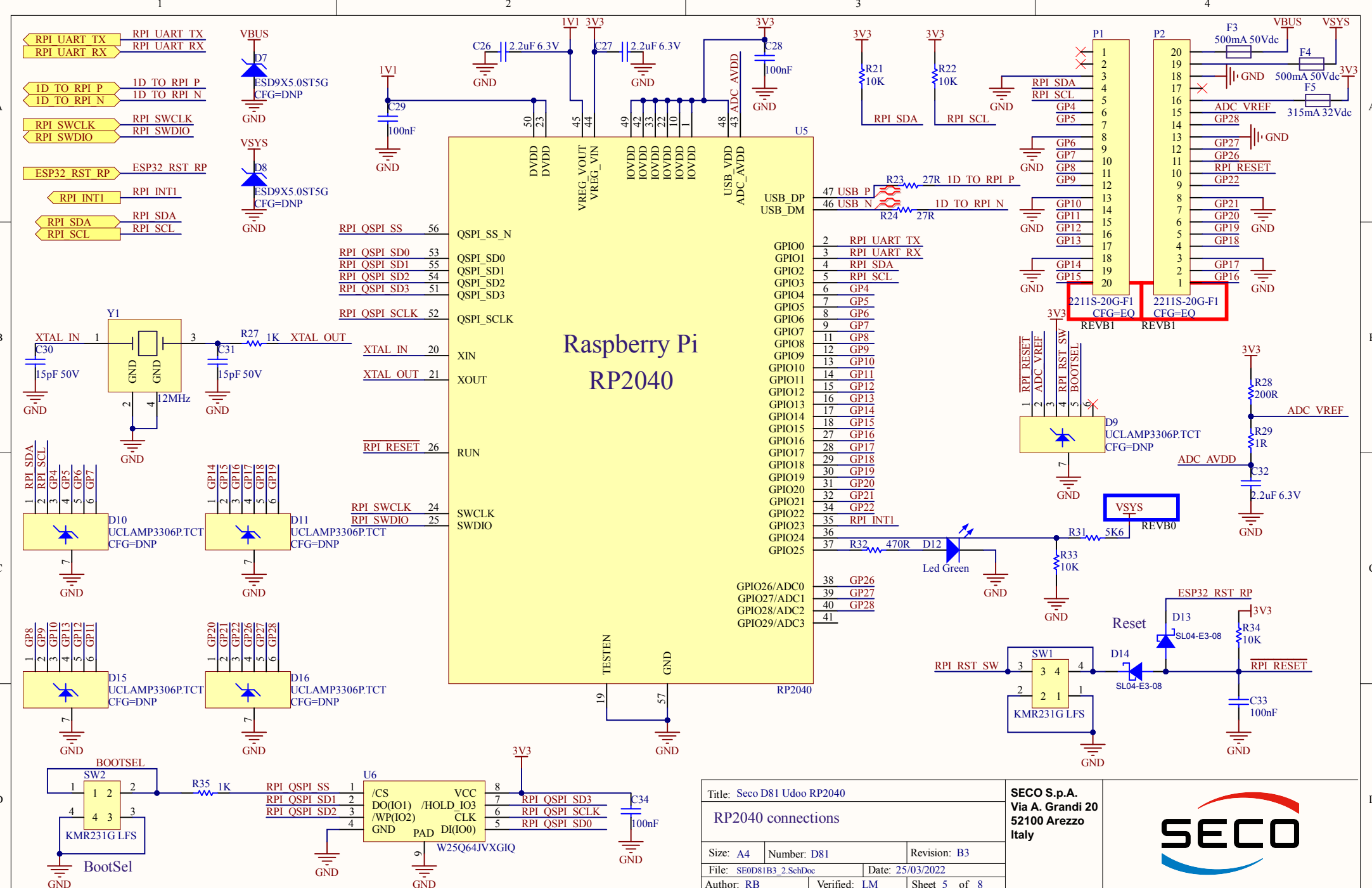




Title: Seco D81 Udoor RP2040		
Size: A4	Number: D81	Revision: B3
File: SE0D81B3_1.SchDoc	Date: 25/03/2022	
Author: RB	Verified: LM	Sheet 4 of 8

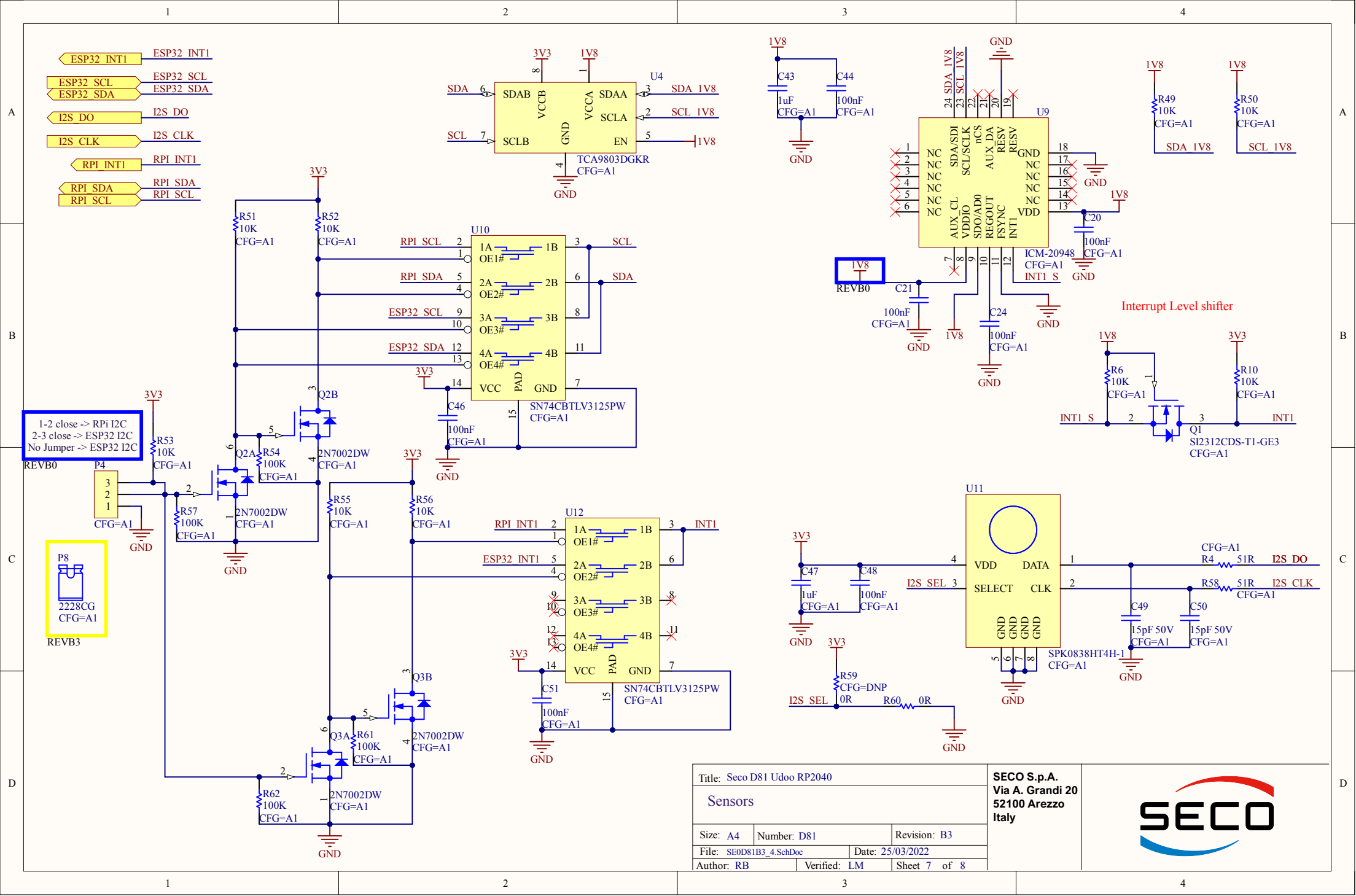
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Title: Seco D81 Udoor RP2040		
RP2040 connections		
Size: A4	Number: D81	Revision: B3
File: SE0D81B3_2_SchDoc	Date: 25/03/2022	
Author: RB	Verified: LM	Sheet 5 of 8

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- ESP32 INT1
- ESP32 SCL
- ESP32 SDA
- I2S DO
- I2S CLK
- RPI INT1
- RPI SDA
- RPI SCL

1-2 close -> RPi I2C
 2-3 close -> ESP32 I2C
 No Jumper -> ESP32 I2C

P8
 2228CG
 CFG=A1
 REV B3

Title: Seco D81 Udoor RP2040		
Sensors		
Size: A4	Number: D81	Revision: B3
File: SE0D81B3_4.SchDoc	Date: 25/03/2022	
Author: RB	Verified: LM	Sheet 7 of 8

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