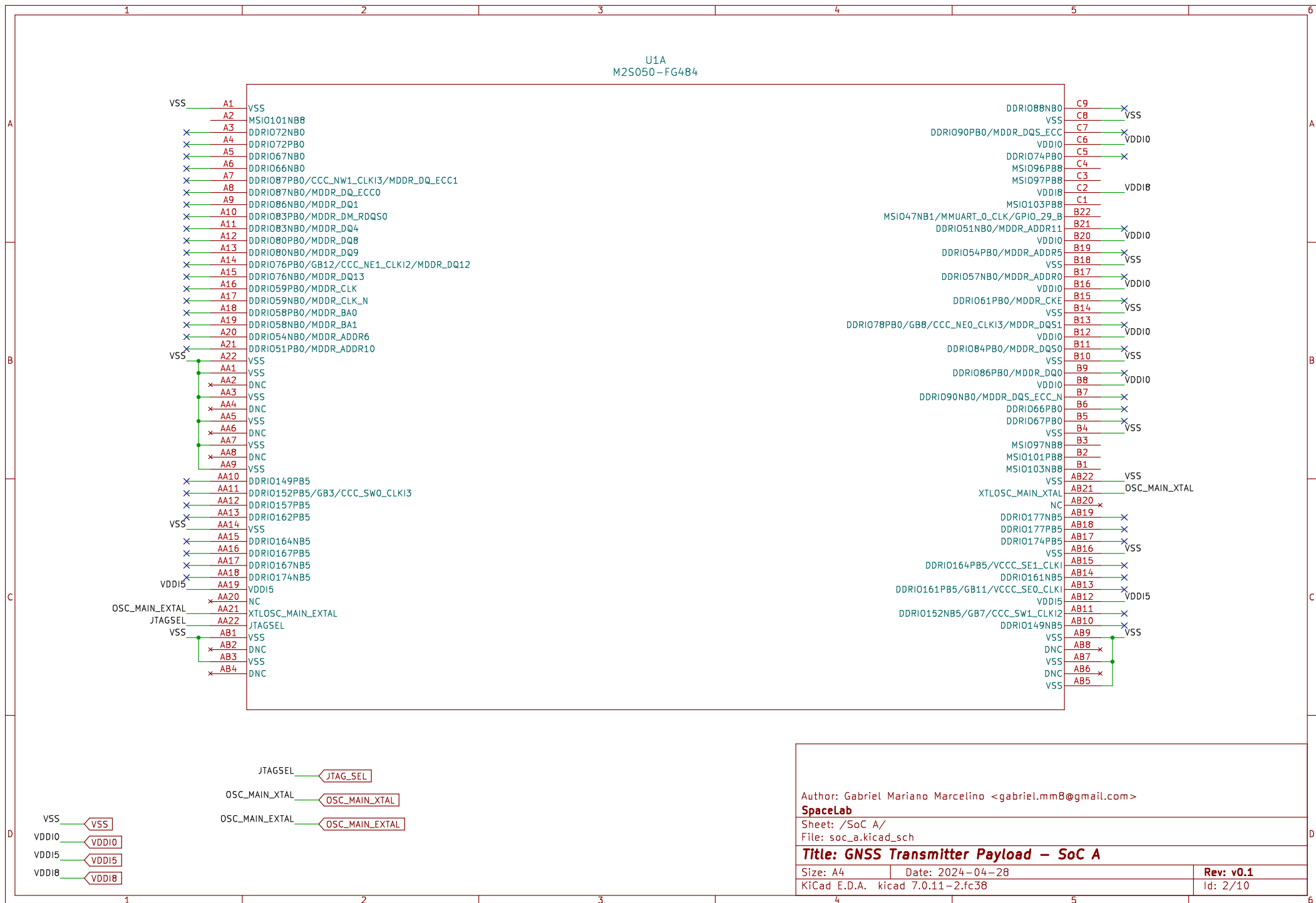
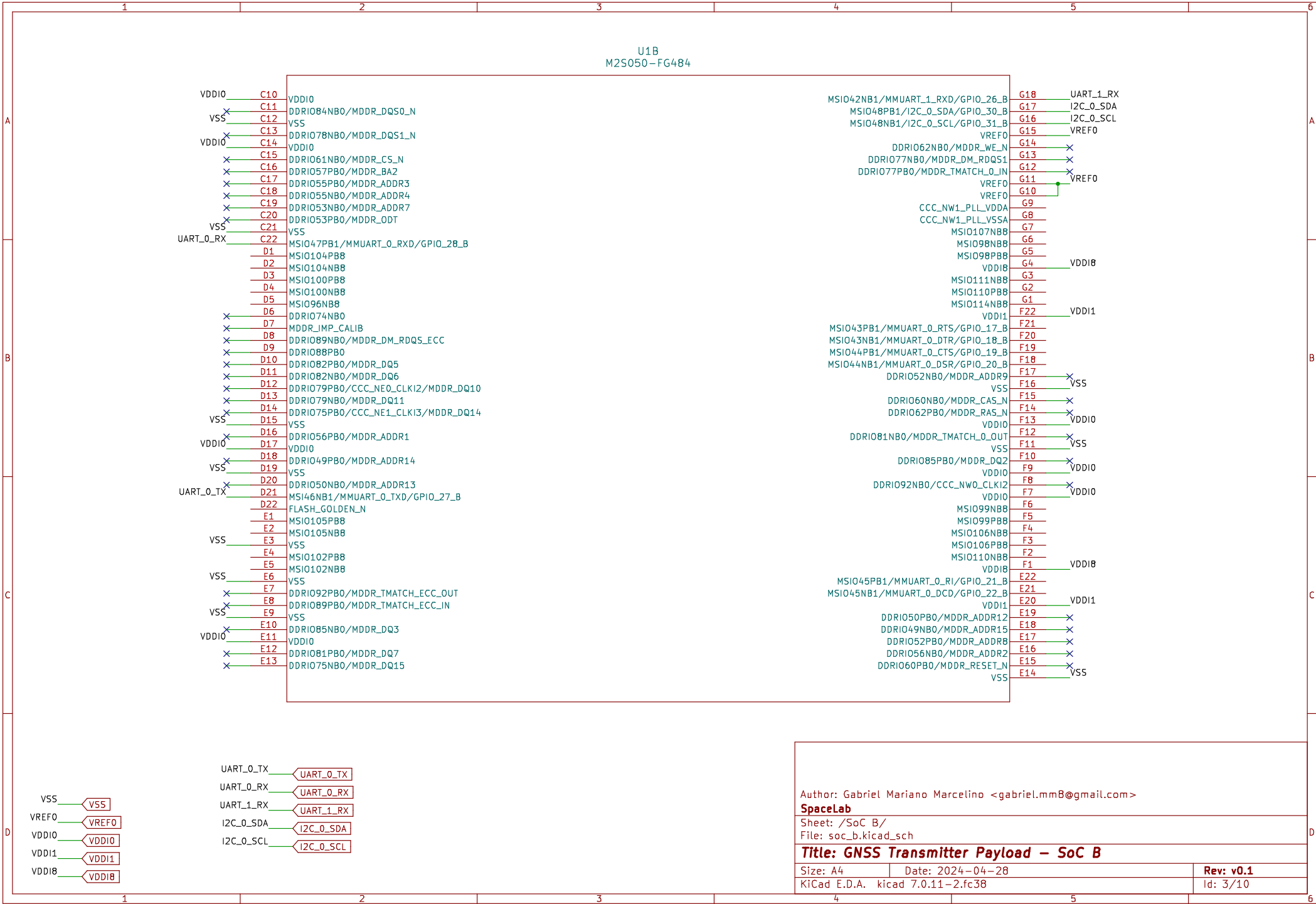
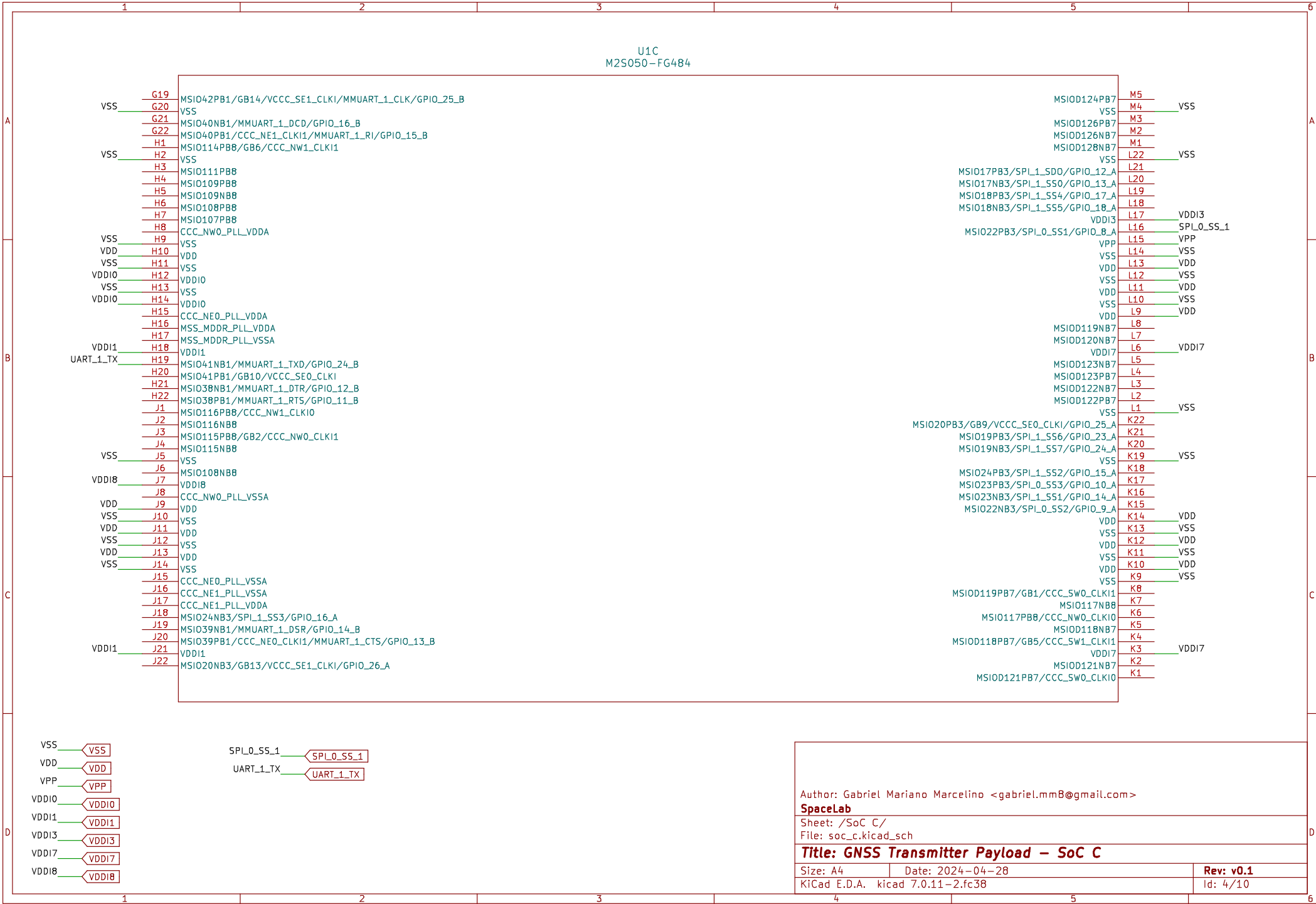
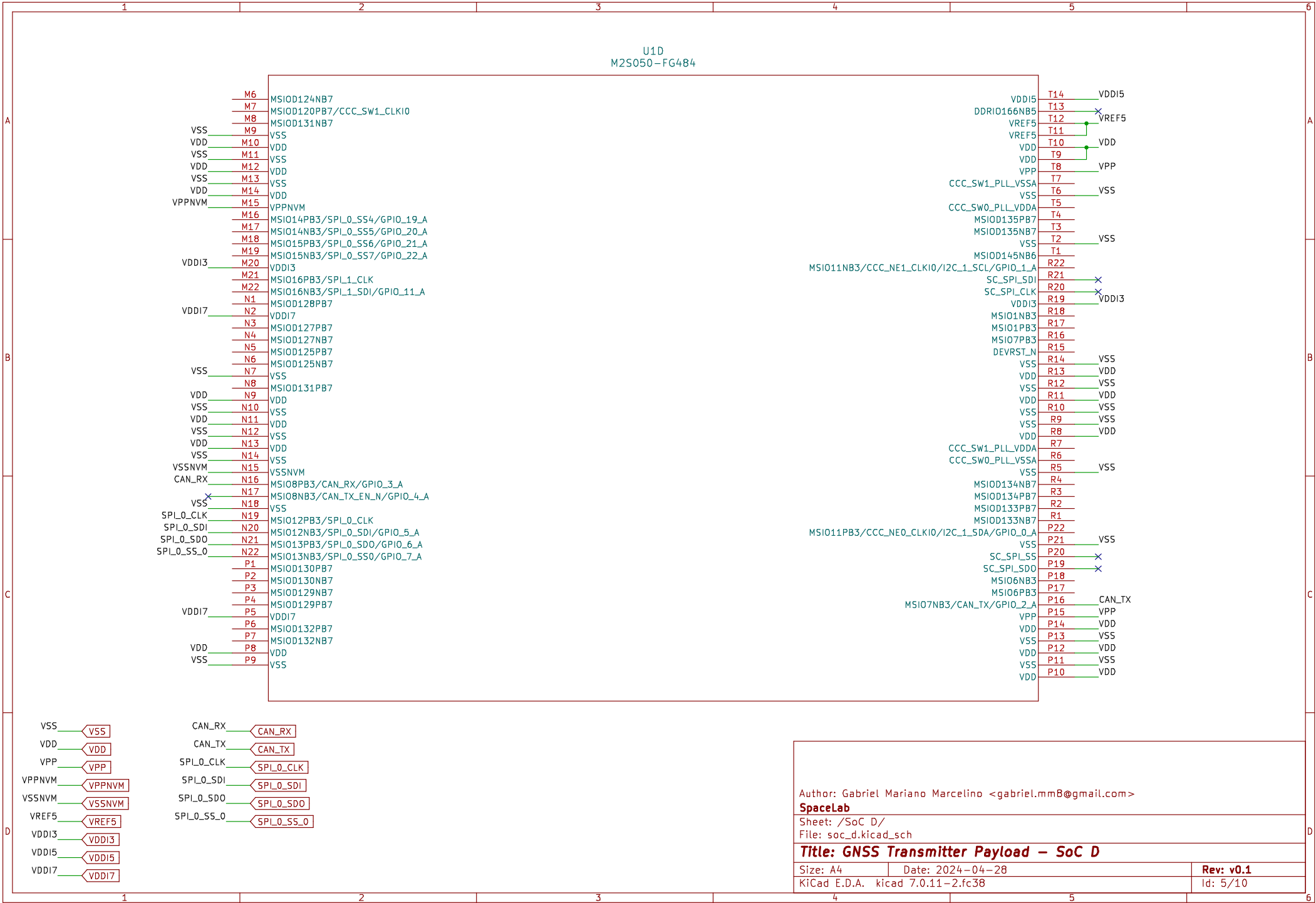


	1	2	3	4	5							
A	<div>Sheetname: SoC A</div> <div>File: soc_a.kicad_sch</div>	<div>Sheetname: SoC B</div> <div>File: soc_b.kicad_sch</div>	<div>Sheetname: SoC C</div> <div>File: soc_c.kicad_sch</div>	<div>Sheetname: SoC D</div> <div>File: soc_d.kicad_sch</div>	<div>Sheetname: SoC E</div> <div>File: soc_e.kicad_sch</div>							
B	<div>Sheetname: Power</div> <div>File: power.kicad_sch</div>	<div>Sheetname: Clocks</div> <div>File: clocks.kicad_sch</div>	<div>Sheetname: Interfaces</div> <div>File: interfaces.kicad_sch</div>	<div>Sheetname: Peripherals</div> <div>File: peripherals.kicad_sch</div>								
C												
D					<div>Author: Gabriel Mariano Marcelino <gabriel.mm8@gmail.com> SpaceLab Sheet: / File: gnss-transmitter.kicad_sch Title: GNSS Transmitter Payload</div> <table><tr><td>Size: A4</td><td>Date: 2024-04-28</td><td>Rev: v0.1</td></tr><tr><td>KiCad E.D.A.</td><td>kicad 7.0.11-2.fc38</td><td>Id: 1/10</td></tr></table>	Size: A4	Date: 2024-04-28	Rev: v0.1	KiCad E.D.A.	kicad 7.0.11-2.fc38	Id: 1/10	
Size: A4	Date: 2024-04-28	Rev: v0.1										
KiCad E.D.A.	kicad 7.0.11-2.fc38	Id: 1/10										
	1	2	3	4	5							









Author: Gabriel Mariano Marcelino <gabriel.mm8@gmail.com>

SpaceLab

Sheet: /SoC D/

File: soc_d.kicad_sch

Title: GNSS Transmitter Payload – SoC D

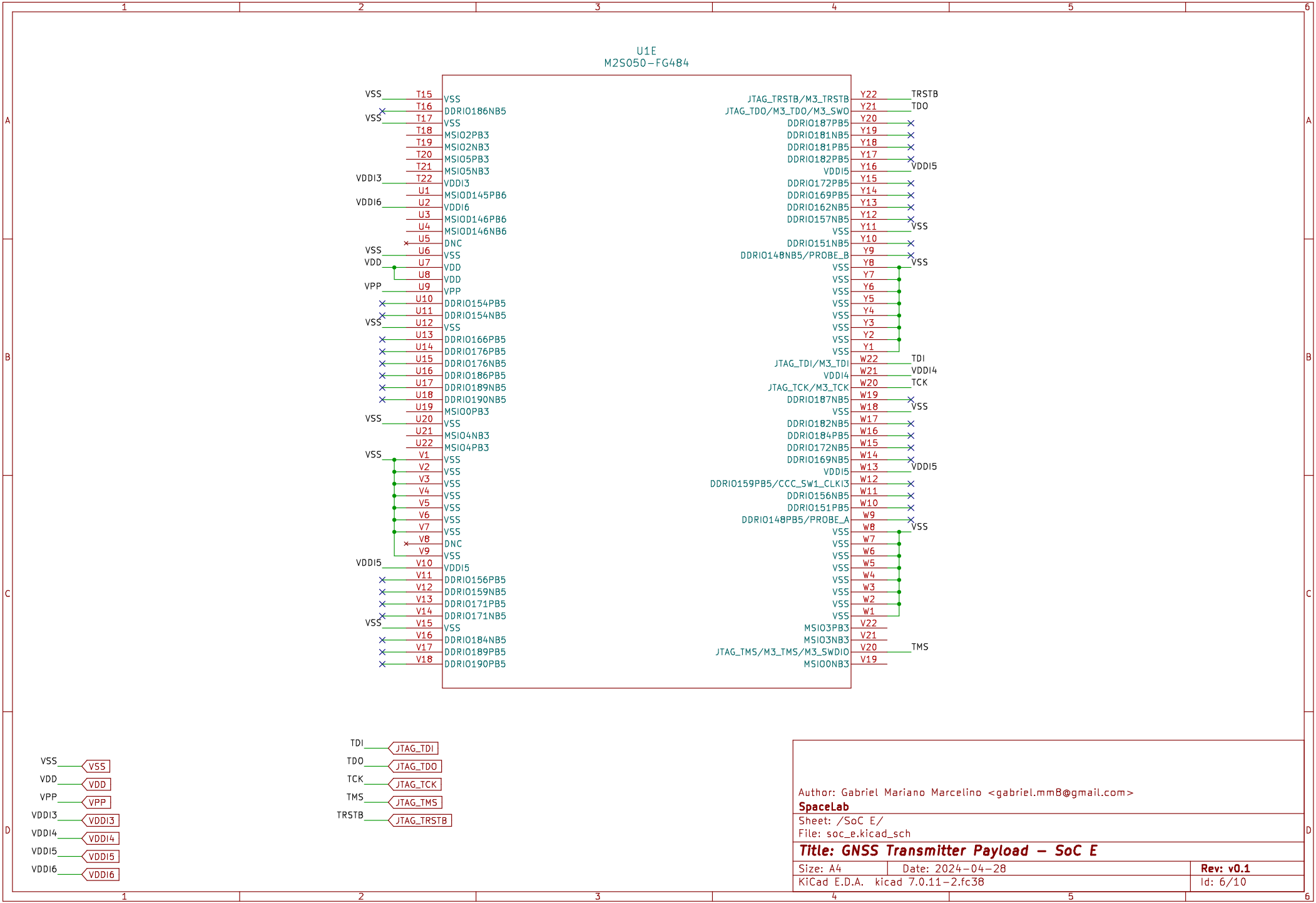
Size: A4

Date: 2024-04-28

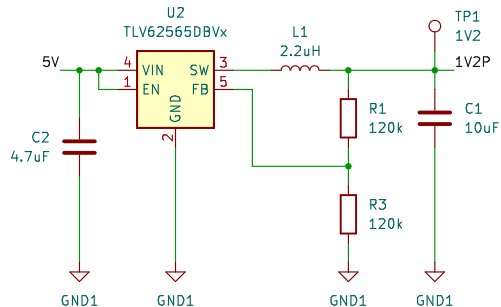
Rev: v0.1

KiCad E.D.A. kicad 7.0.11-2.fc38

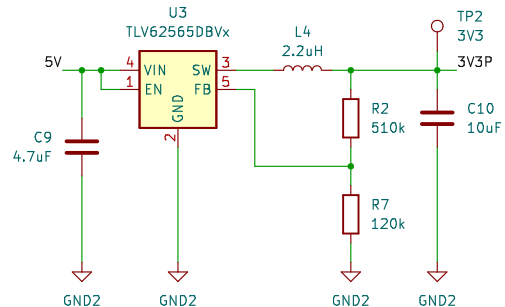
Id: 5/10



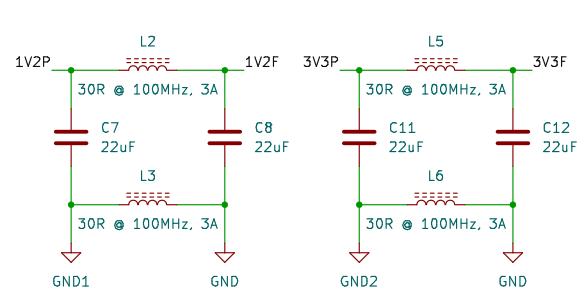
Power Converter (5V to 1V2)



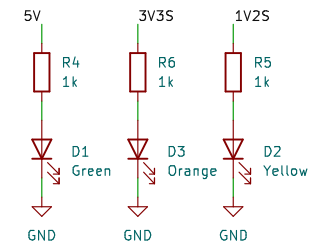
Power Converter (5V to 3V3)



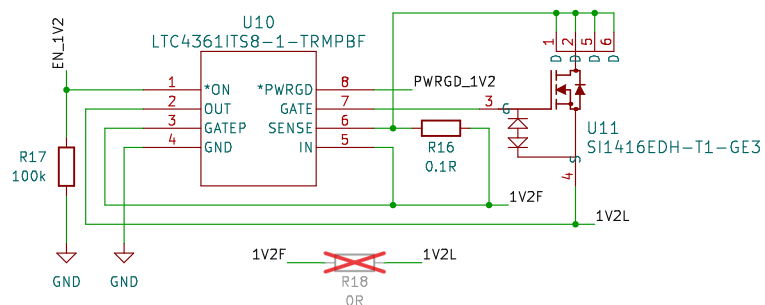
Noise Filtering for Power Supply



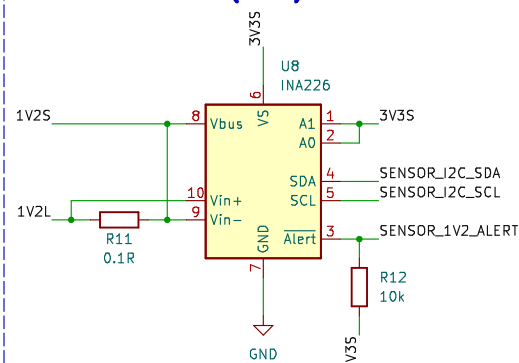
Power Status LEDs



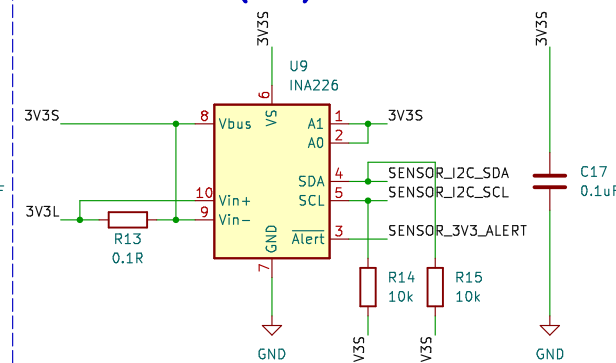
Latch-Up Monitor (1V2 Bus)



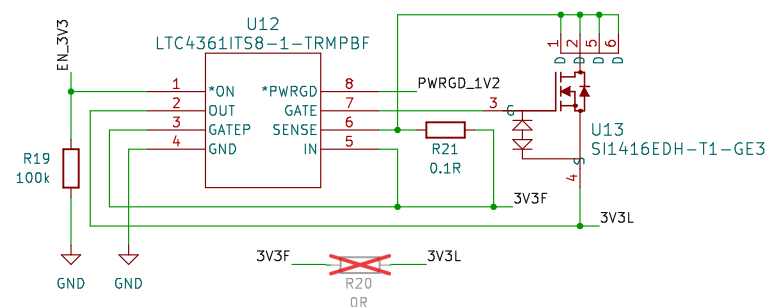
Power Sensor (1V2)



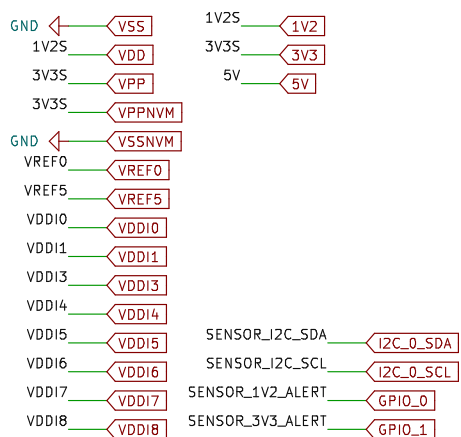
Power Sensor (3V3)



Latch-Up Monitor (3V3 Bus)



Power Sensor (5V)



Author: Gabriel Mariano Marcelino <gabriel.mm8@gmail.com>

SpaceLab

Sheet: /Power/

File: power.kicad_sch

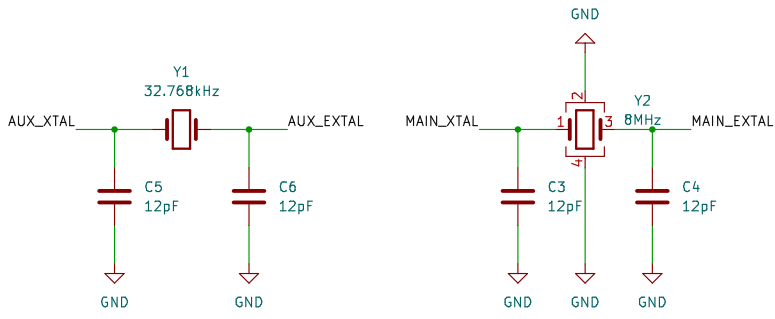
Title: GNSS Transmitter Payload – Power Supply

Size: A4 Date: 2024-04-28

KiCad E.D.A. kicad 7.0.11-2.fc38

Rev: v0.1

Id: 7/10



MAIN_XTAL OSC_MAIN_XTAL

MAIN_EXTAL OSC_MAIN_EXTAL

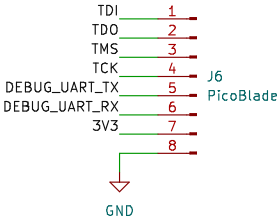
Author: Gabriel Mariano Marcelino <gabriel.mm8@gmail.com>
SpaceLab

Sheet: /Clocks/
File: clocks.kicad_sch

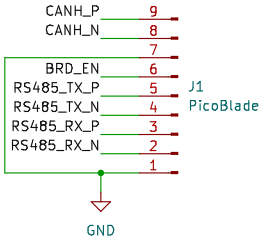
Title: GNSS Transmitter Payload – Clocks

Size: A4	Date: 2024-04-28	Rev: v0.1
KiCad E.D.A. kicad 7.0.11-2.fc38	Id: 8/10	

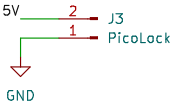
JTAG and Debug Interface



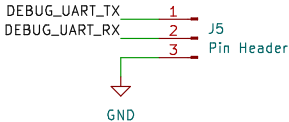
Data Interface



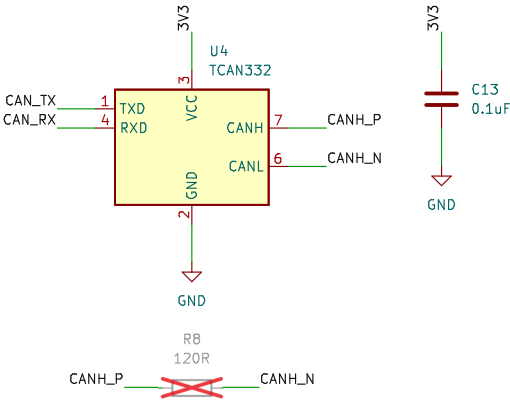
Power Interface



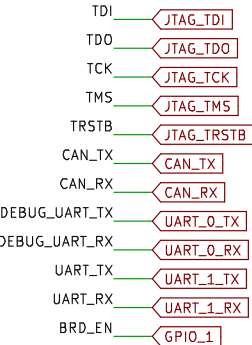
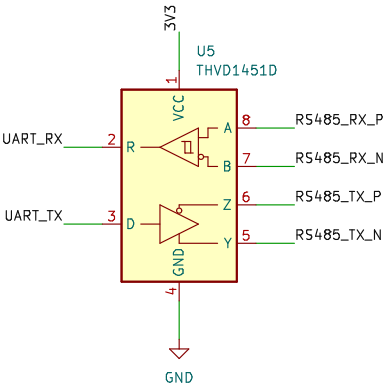
Debug Interface



CAN Transceiver



RS-485 Transceiver



Author: Gabriel Mariano Marcelino <gabriel.mm8@gmail.com>

SpaceLab

Sheet: /Interfaces/

File: interfaces.kicad_sch

Title: GNSS Transmitter Payload – Interfaces

Size: A4

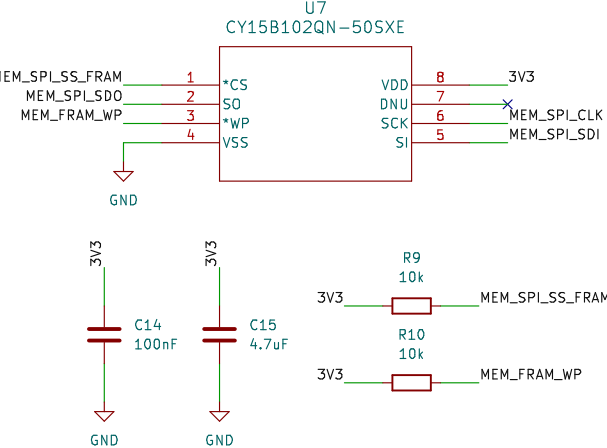
Date: 2024-04-28

Rev: v0.1

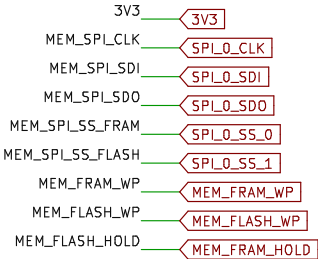
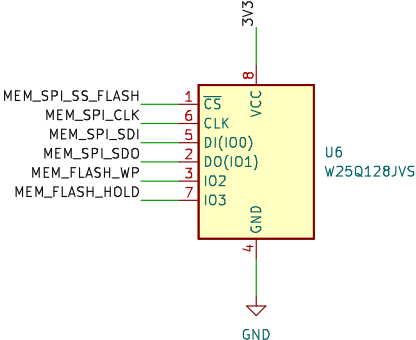
KiCad E.D.A. kicad 7.0.11-2.fc38

Id: 9/10

FRAM Memory



Flash Memory



Author: Gabriel Mariano Marcelino <gabriel.mm8@gmail.com>

SpaceLab

Sheet: /Peripherals/

File: peripherals.kicad_sch

Title: GNSS Transmitter Payload – Peripherals

Size: A4 Date: 2024-04-28

KiCad E.D.A. kicad 7.0.11-2.fc38

Rev: v0.1

Id: 10/10