

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

01 Descriptions



File: 01 Descriptions.kicad\_sch

02 Block Diagram



File: 02 Block Diagram.kicad\_sch

Power



File: Power.kicad\_sch

XIAO



File: XIAO.kicad\_sch

E-ink



File: E-ink.kicad\_sch

TCON-IT8951



File: TCON-IT8951.kicad\_sch

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Seeed Studio

Sheet: /  
File: XIAO ePaper Display Board EE03\_V1.0.kicad\_sch

Title: XIAO ePaper Display Board EE03

Size: A3

Date: 2025-12-24

Rev: v1.0

KiCad E.D.A. 9.0.0

Id: 1/7

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

	Descriptions	Date
V1.0	The current model is "XIAO ePaper Display Board EE03". The main change is the replacement of the PMIC.	2025/11/18

seeed studio

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Sheet: /01 Descriptions/  
File: 01 Descriptions.kicad\_sch

Title: XIAO ePaper Display Board EE03

Size: A3

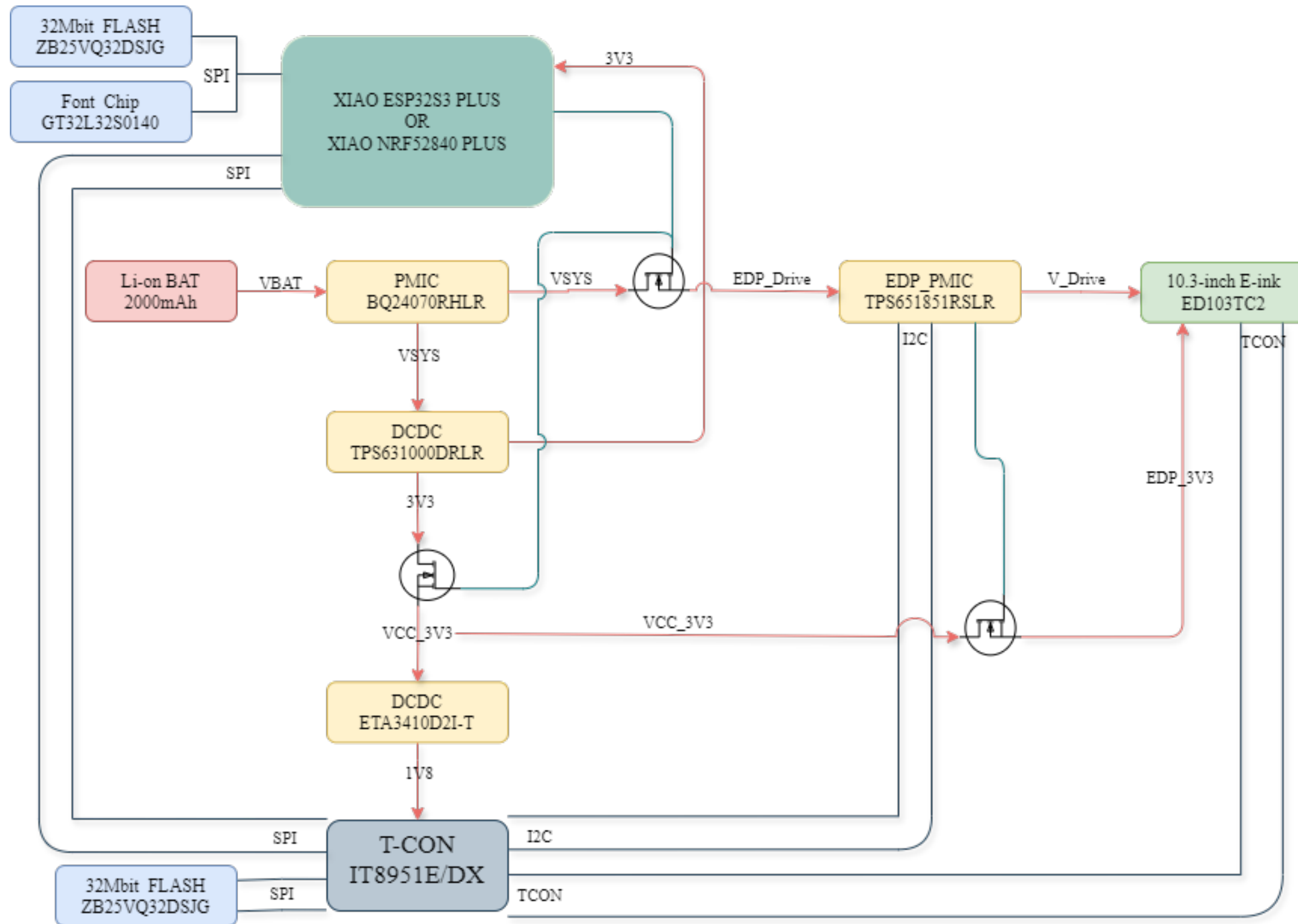
Date: 2025-12-24

Rev: v1.0

KiCad E.D.A. 9.0.0

Id: 2/7

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Seeed Studio

Sheet: /02 Block Diagram/  
File: 02 Block Diagram.kicad\_sch

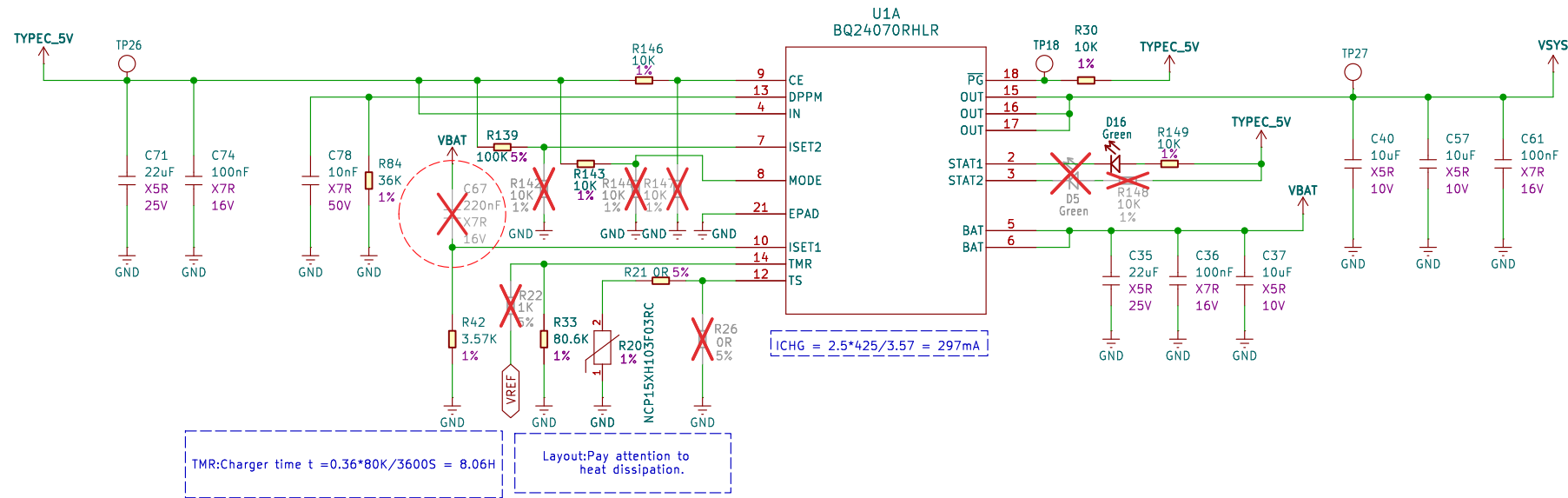
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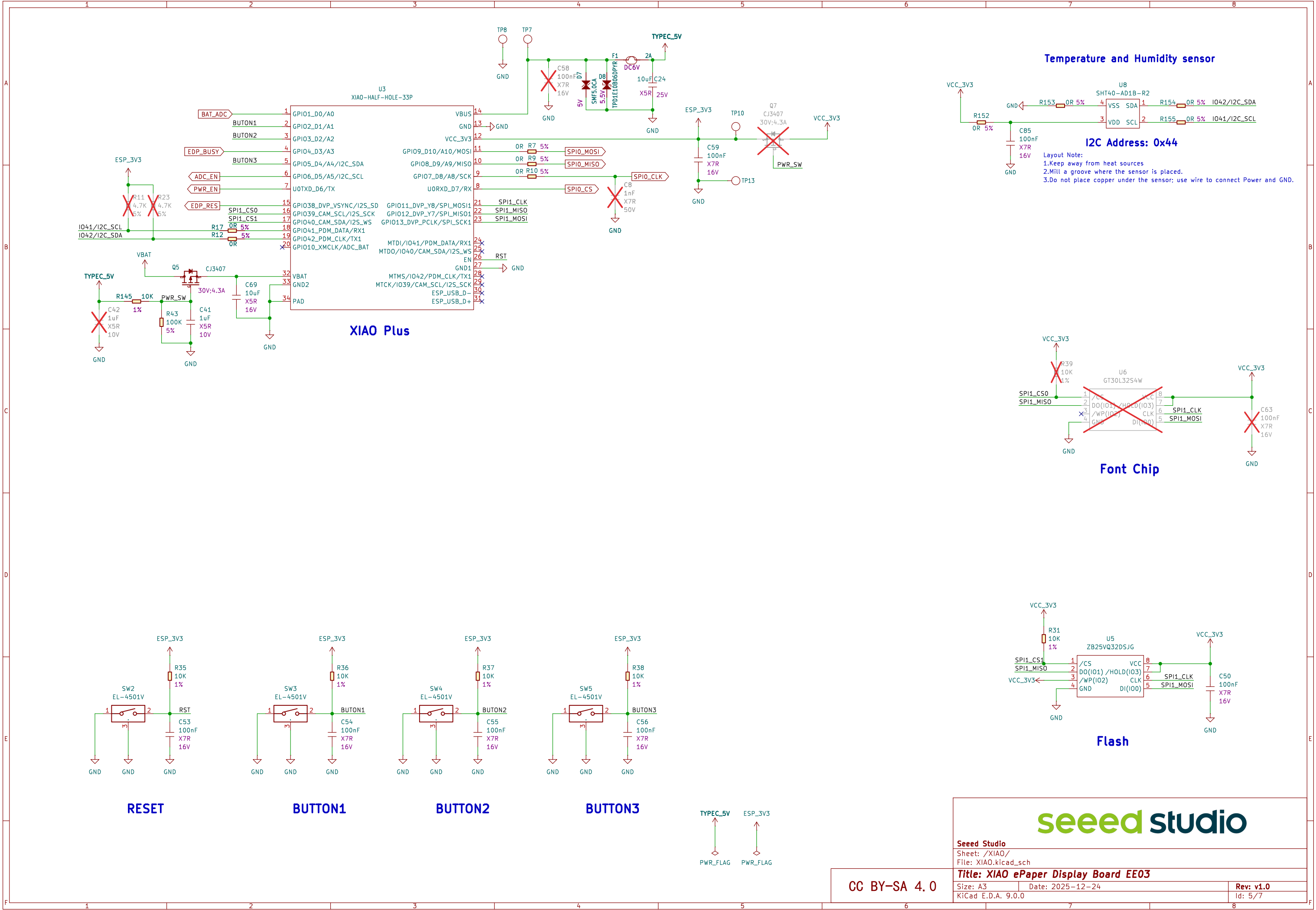
Size: A3 Date: 2025-12-24  
KiCad E.D.A. 9.0.0

Rev: v1.0  
Id: 3/7

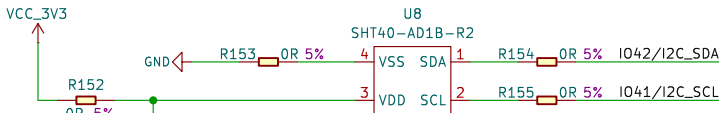
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## PMIC





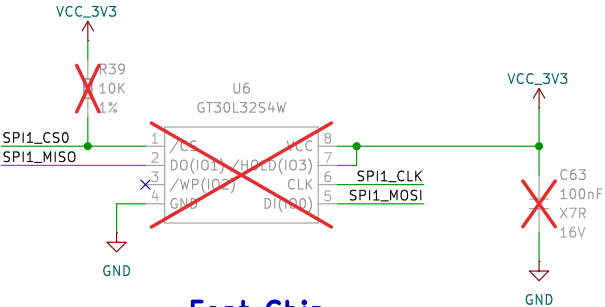
### Temperature and Humidity sensor



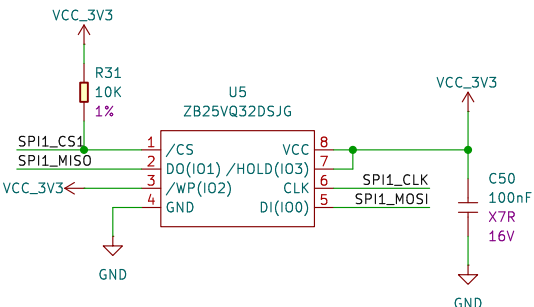
I2C Address: 0x44

- Layout Note:
1. Keep away from heat sources
  2. Mill a groove where the sensor is placed.
  3. Do not place copper under the sensor; use wire to connect Power and GND.

### Font Chip



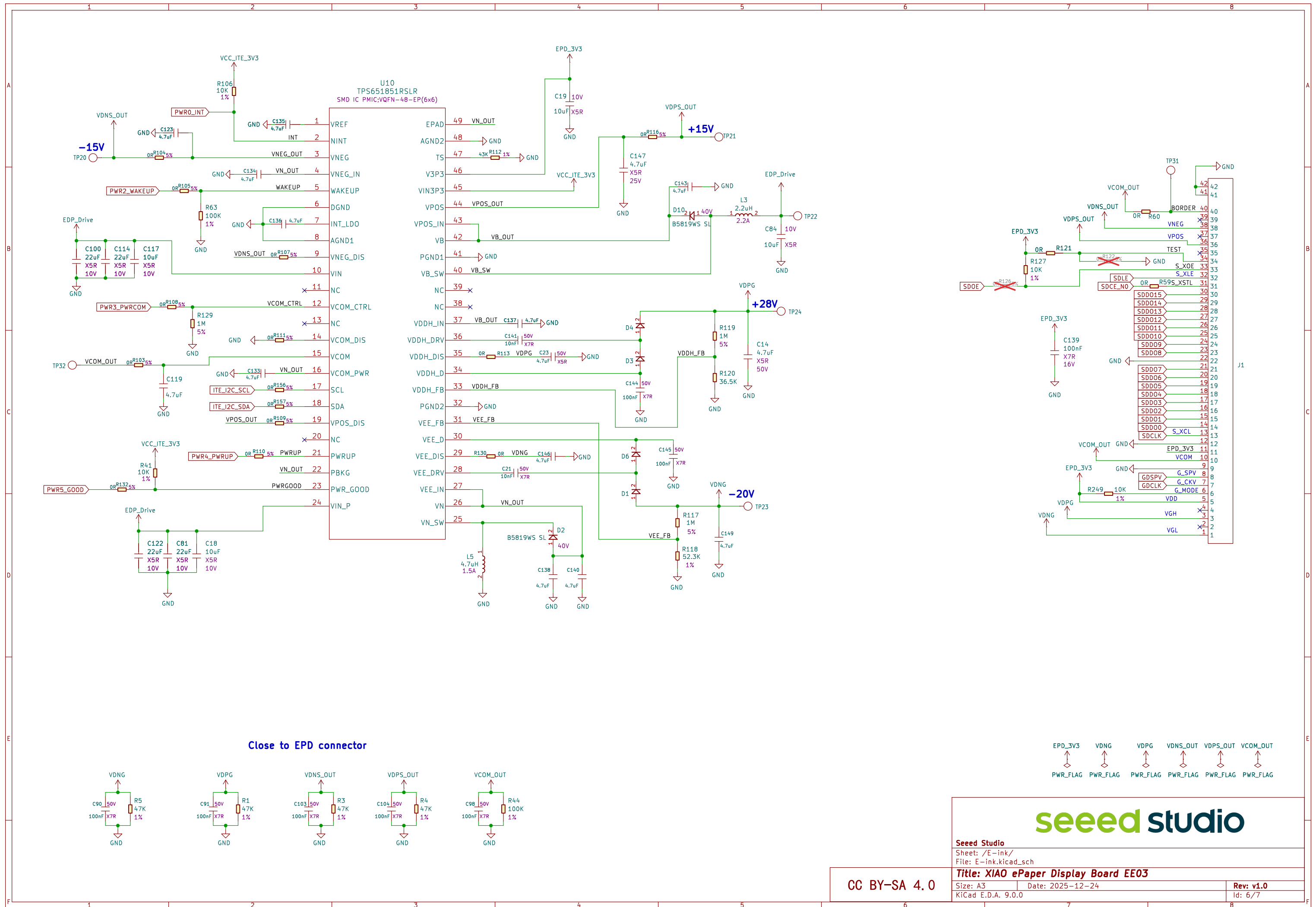
### Flash



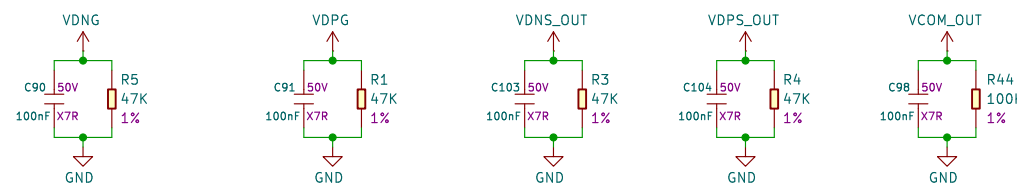
seeed studio

Seeed Studio		
Sheet: /XIAO/		
File: XIAO.kicad_sch		
Title: XIAO ePaper Display Board EE03		
Size: A3	Date: 2025-12-24	Rev: v1.0
KiCad E.D.A. 9.0.0		Id: 5/7

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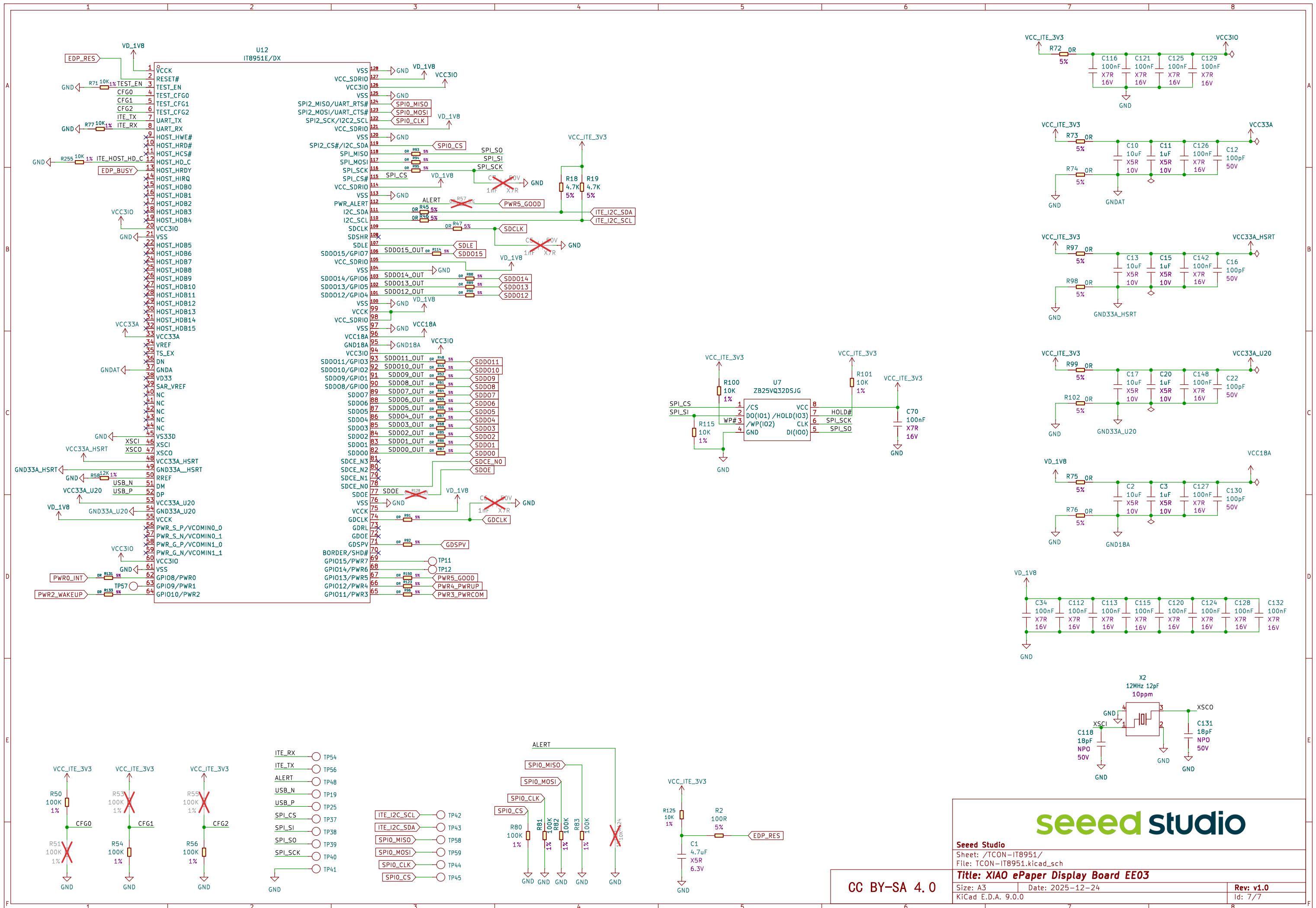
Close to EPD connector



seeed studio

Seed Studio		
Sheet: /E-ink/		
File: E-ink.kicad_sch		
Title: XIAO ePaper Display Board EE03		
Size: A3	Date: 2025-12-24	Rev: v1.0
KiCad E.D.A. 9.0.0		Id: 6/7

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Sseed Studio		
Sheet: /TCON-IT8951/ File: TCON-IT8951.kicad_sch		
Title: XIAO ePaper Display Board EE03		
Size: A3	Date: 2025-12-24	Rev: v1.0
KiCad E.D.A. 9.0.0		Id: 7/7

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