

1	2	3	4	5	6
A					A
B					B
C					C
D					D
1	2	3	4	5	6

Sheet: / File: expansion_snap_card.sch		
Title: Snap Card Expansion Board		
Size: A4	Date: 2021-05-18	Rev: 1.0.0
KiCad E.D.A. kicad (5.1.10-1-10_14)		Id: 1/10

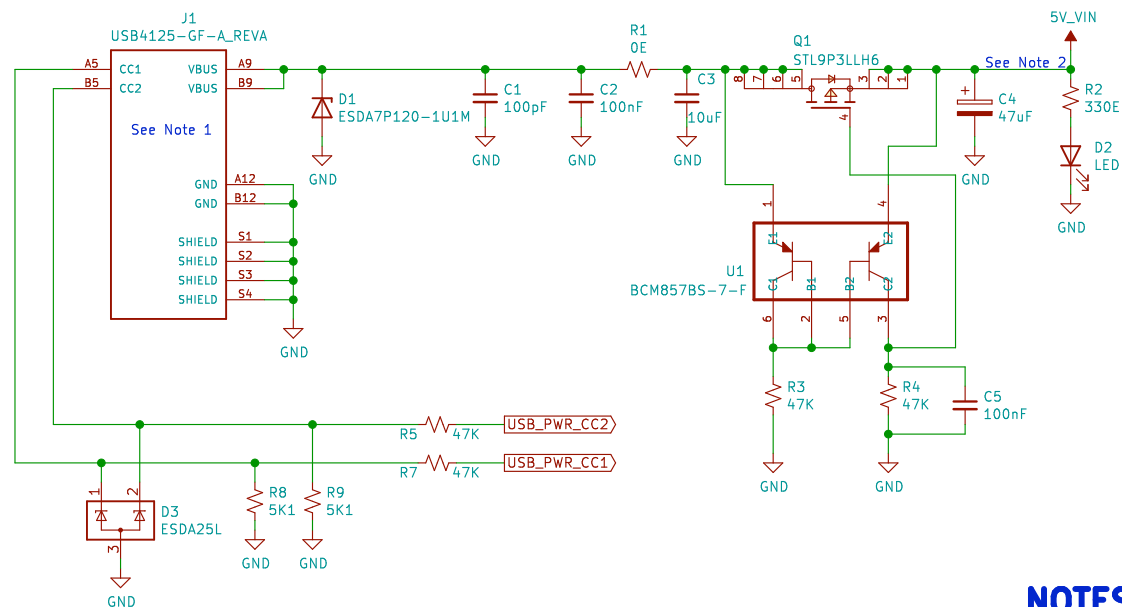
SW1
PTS6475SN50SMTR2LFS

1 2 3 4

GND

PONKEY

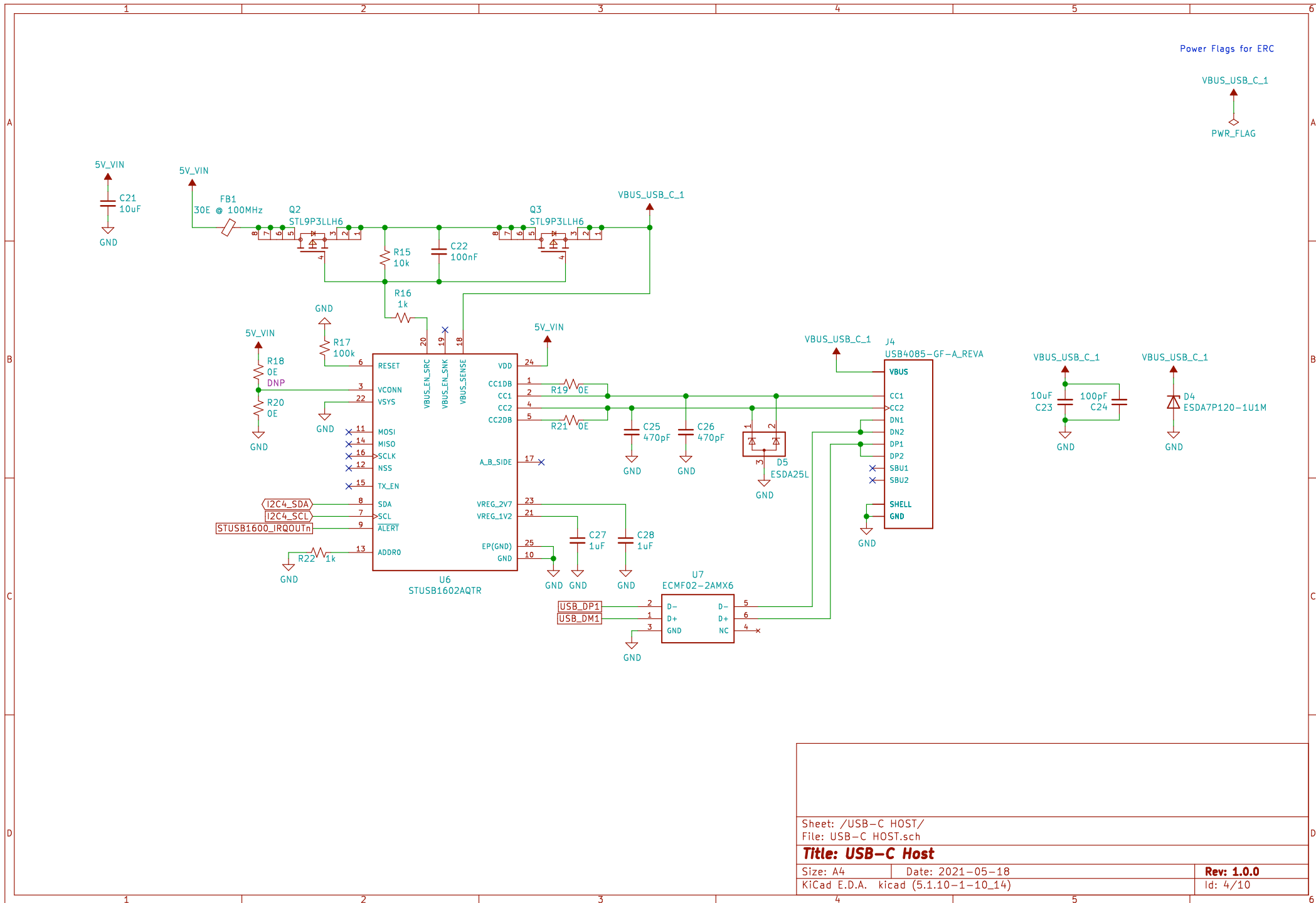
See Note 3

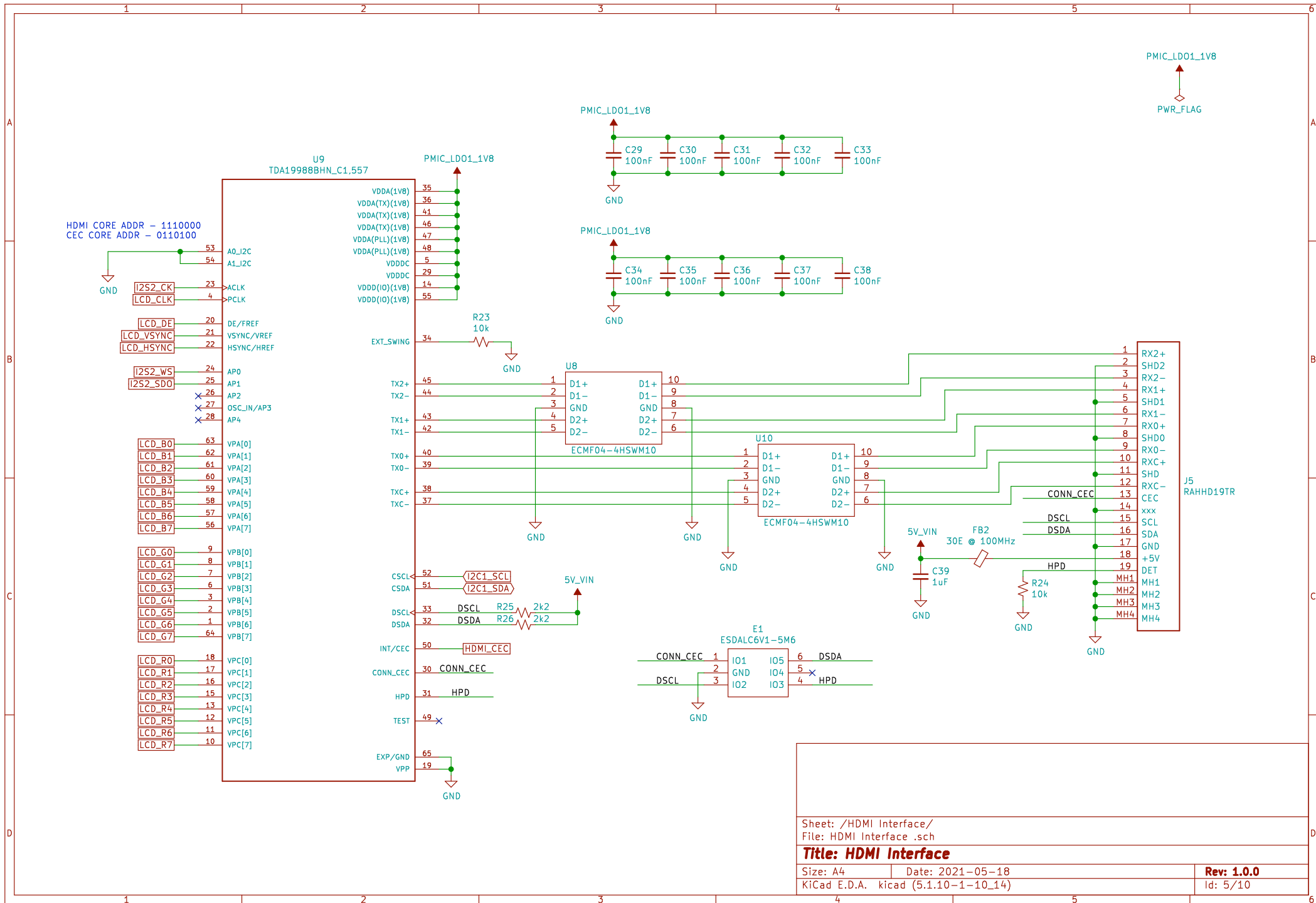


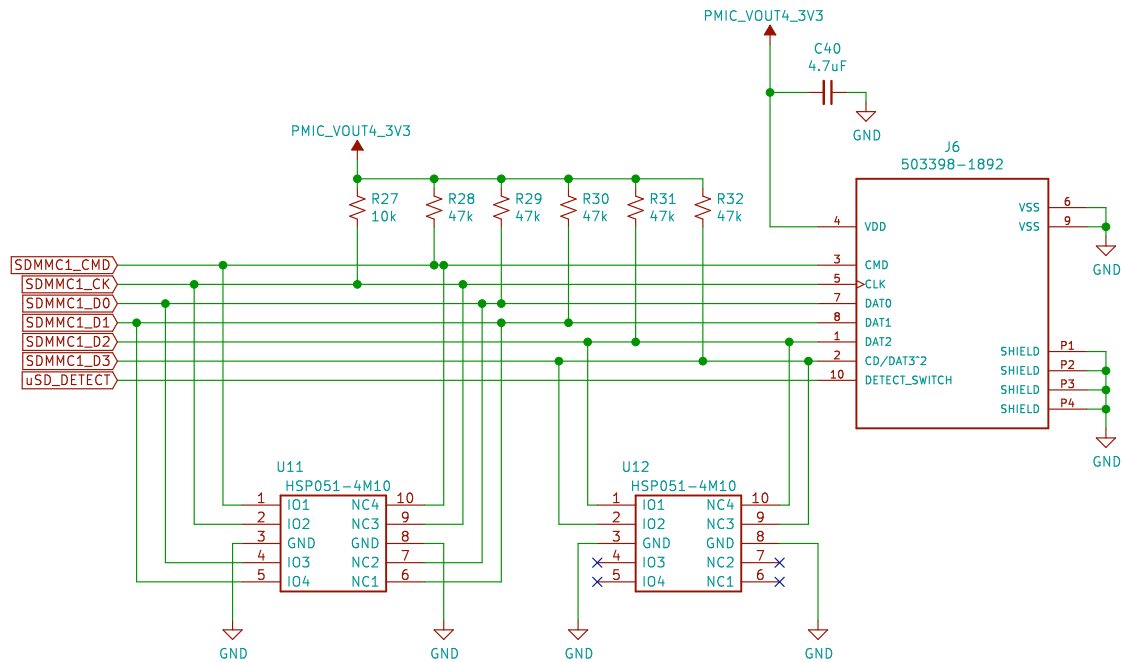
1. Connect 5V, 3A power supply through Micro USB-C
2. Do not change the 47uF Capacitor Package.
Value can be increased if needed.
3. PMIC Power on. Internal Pull up present within SiP

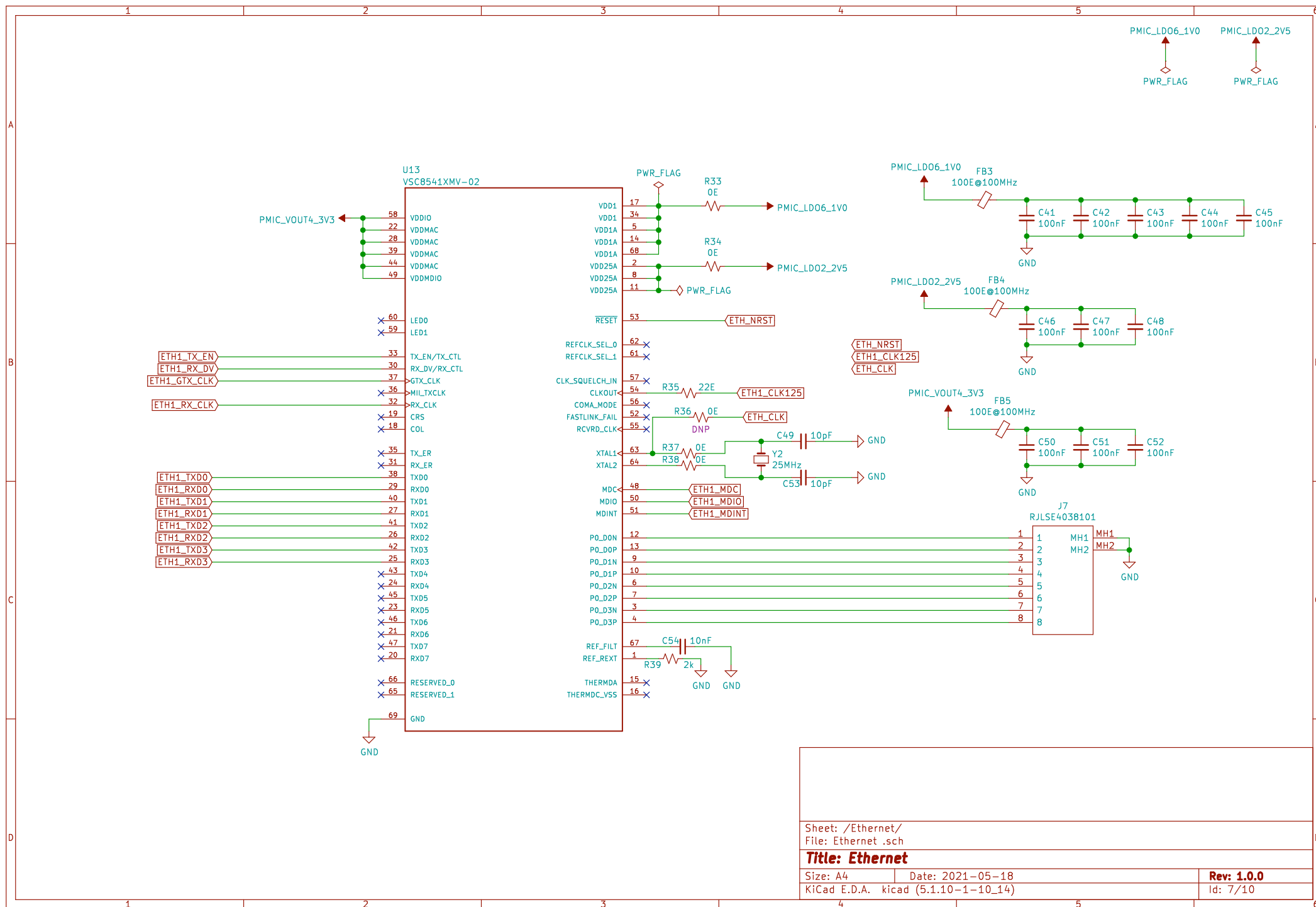
Title: Power & Reset

Rev: 1.0.0
Id: 2/10









ST-Link MCU

ST-LINK USB CONNECTOR

ST-LINK POWER 3V3/150mA

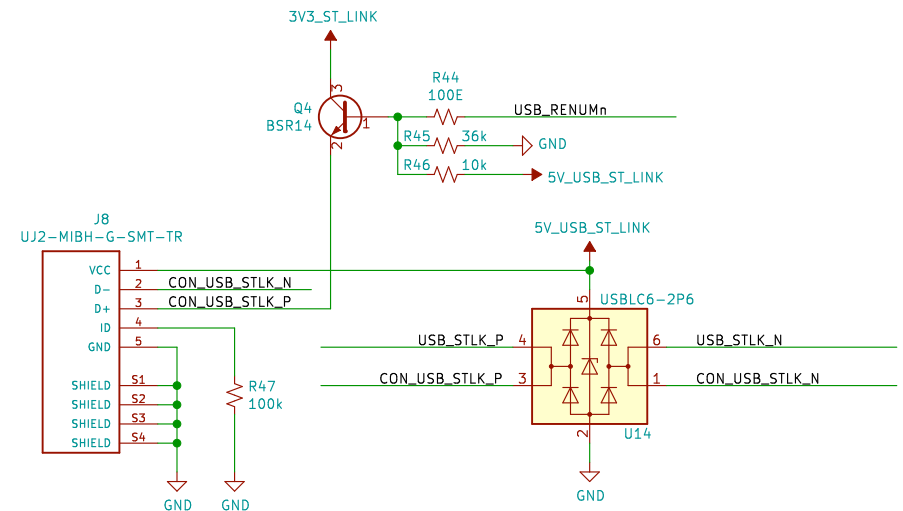
ST-LINK DFU

ST-LINK LED

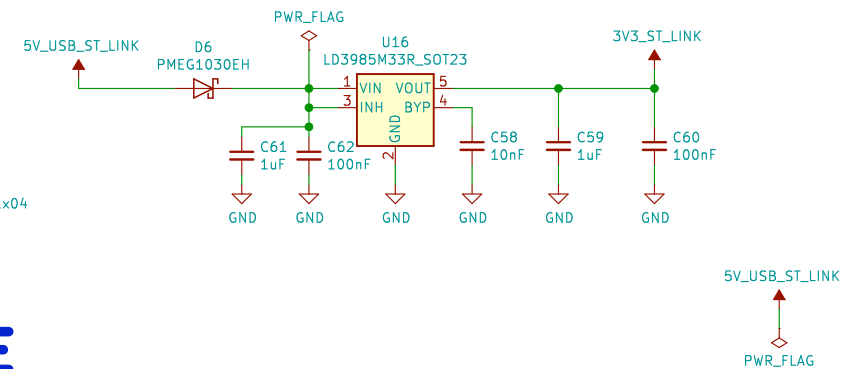
SWD INTERFACE

Sheet: /ST-Link/
File: ST-Link.sch
Title: ST-Link
Size: A4 Date: 2021-05-18
KiCad E.D.A. kicad (5.1.10-1-10_14) **Rev: 1.0.0**
Id: 8/10

ST-LINK USB CONNECTOR



ST-LINK POWER 3V3/150mA



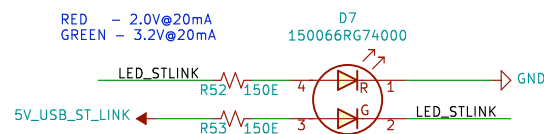
ST-LINK DFU



SWD INTERFACE

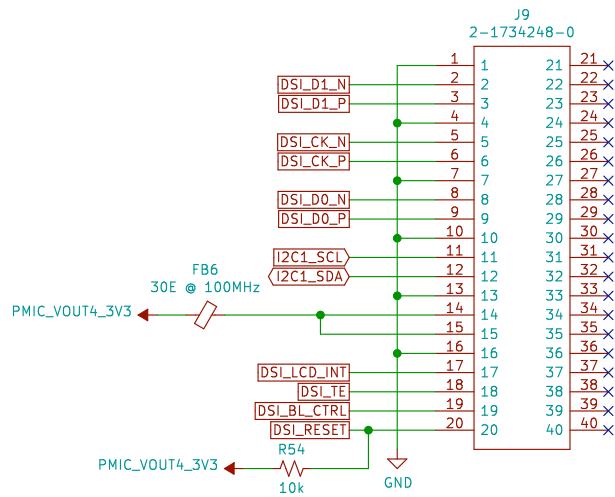


ST-LINK LED

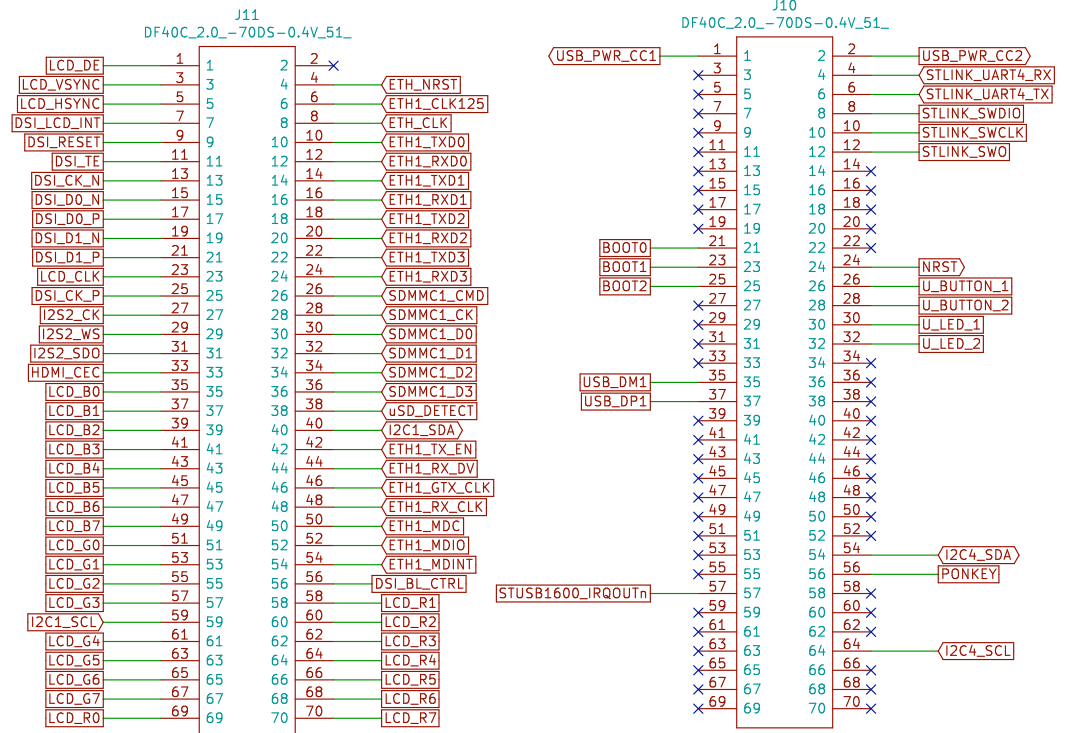


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File: ST-Link.sch		
Title: ST-Link		
Size: A4	Date: 2021-05-18	
KiCad E.D.A. kicad (5.1.10-1-10_14)		Rev: 1.0.0
		Id: 8/10

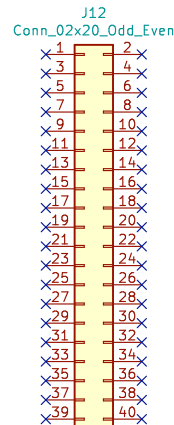
DSI LCD



Snap Connectors



RPi Expansion Header



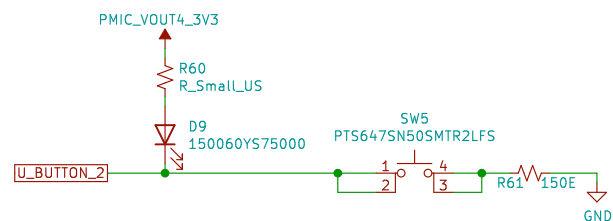
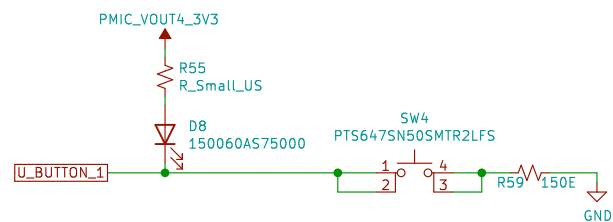
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File: Connectors.sch

Title: Snap Connectors

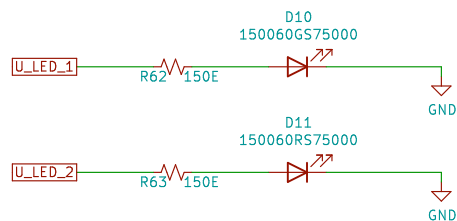
Size: A4 Date: 2021-05-18
KiCad E.D.A. kicad (5.1.10-1-10_14)

Rev: 1.0.0
Id: 9/10

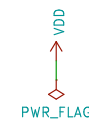
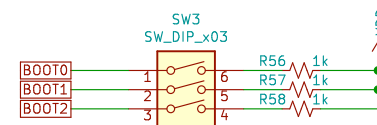
Push Button



LEDs



BOOT CONFIGURATION



Sheet: /Boot Config, LED & Button/
File: Boot Config, LED & Button.sch

Title: Boot Config, LEDs & Buttons

Size: A4	Date: 2021-05-18	Rev: 1.0.0
KiCad E.D.A. kicad (5.1.10-1-10_14)		Id: 10/10