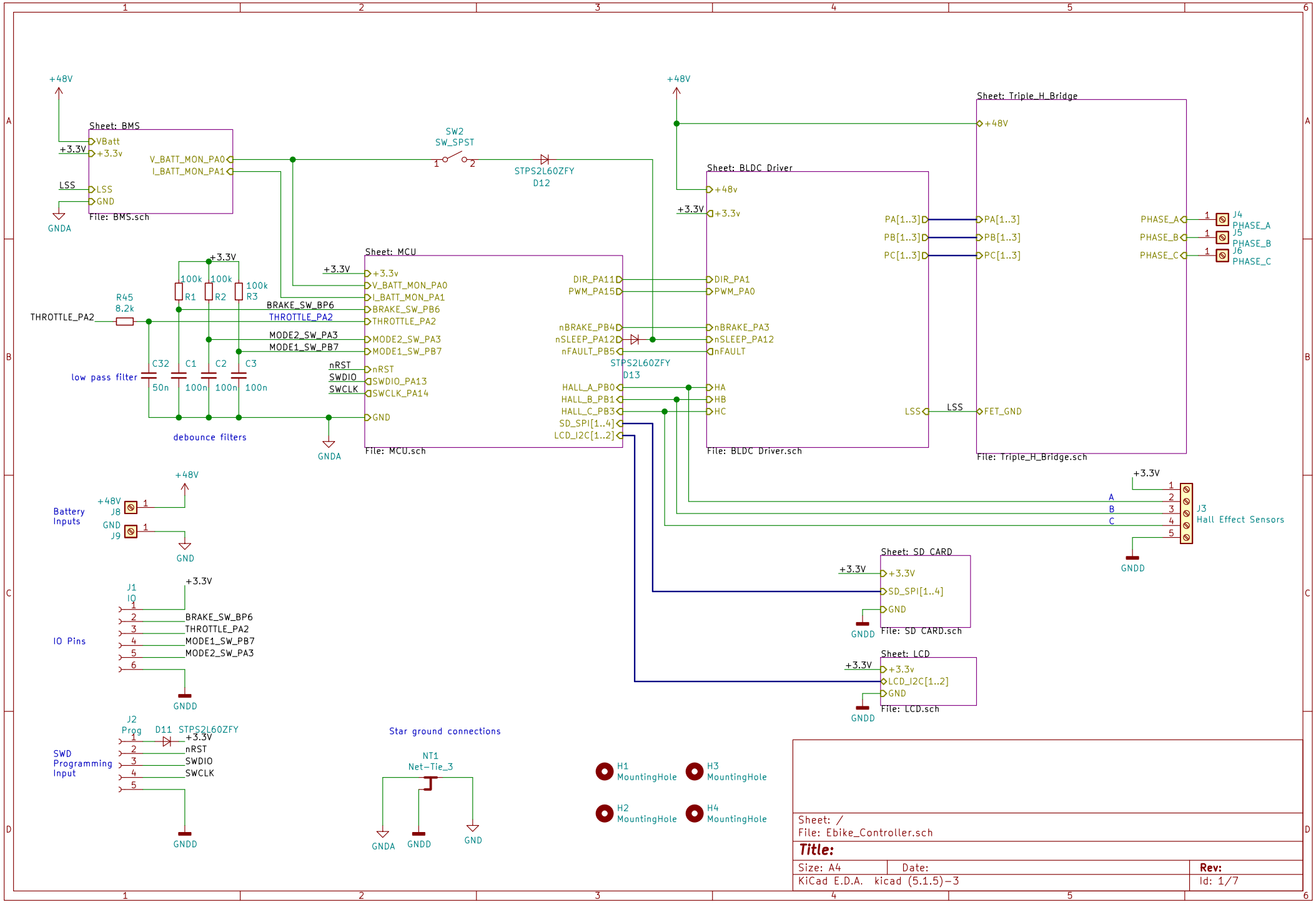
+48V
Sheet: BMS
VBatt
+3.3V
LSS
GND
V_BATT_MON_PA0
I_BATT_MON_PA1
File: BMS.sch
GNDA
SW2
SW_SPST
STPS2L60ZFY
D12
Sheet: MCU
+3.3v
V_BATT_MON_PA0
I_BATT_MON_PA1
BRAKE_SW_PB6
THROTTLE_PA2
MODE2_SW_PA3
MODE1_SW_PB7
nRST
SWDIO_PA13
SWCLK_PA14
GND
File: MCU.sch
R45
8.2k
R1
R2
R3
100k
C32
C1
C2
C3
50n
100n
low pass filter
debounce filters
Sheet: BLDC Driver
+48v
+3.3v
DIR_PA11
PWM_PA15
nBRAKE_PB4
nSLEEP_PA12
nFAULT_PB5
HALL_A_PB0
HALL_B_PB1
HALL_C_PB3
SD_SPI[1..4]
LCD_I2C[1..2]
DIR_PA1
PWM_PA0
nBRAKE_PA3
nFAULT
HA
HB
HC
STPS2L60ZFY
D13
File: BLDC_Driver.sch
Sheet: Triple_H_Bridge
PA[1..3]
PB[1..3]
PC[1..3]
LSS
FET_GND
File: Triple_H_Bridge.sch
PHASE_A
PHASE_B
PHASE_C
J4
J5
J6
Battery Inputs
J8
J9
J1
IO
IO Pins
BRAKE_SW_BP6
THROTTLE_PA2
MODE1_SW_PB7
MODE2_SW_PA3
J2
Prog
D11
STPS2L60ZFY
SWD Programming Input
nRST
SWDIO
SWCLK
GNDD
Star ground connections
NT1
Net-Tie_3
H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole
J3
Hall Effect Sensors
Sheet: SD_CARD
SD_SPI[1..4]
File: SD_CARD.sch
Sheet: LCD
LCD_I2C[1..2]
File: LCD.sch
Sheet: /
File: Ebike_Controller.sch
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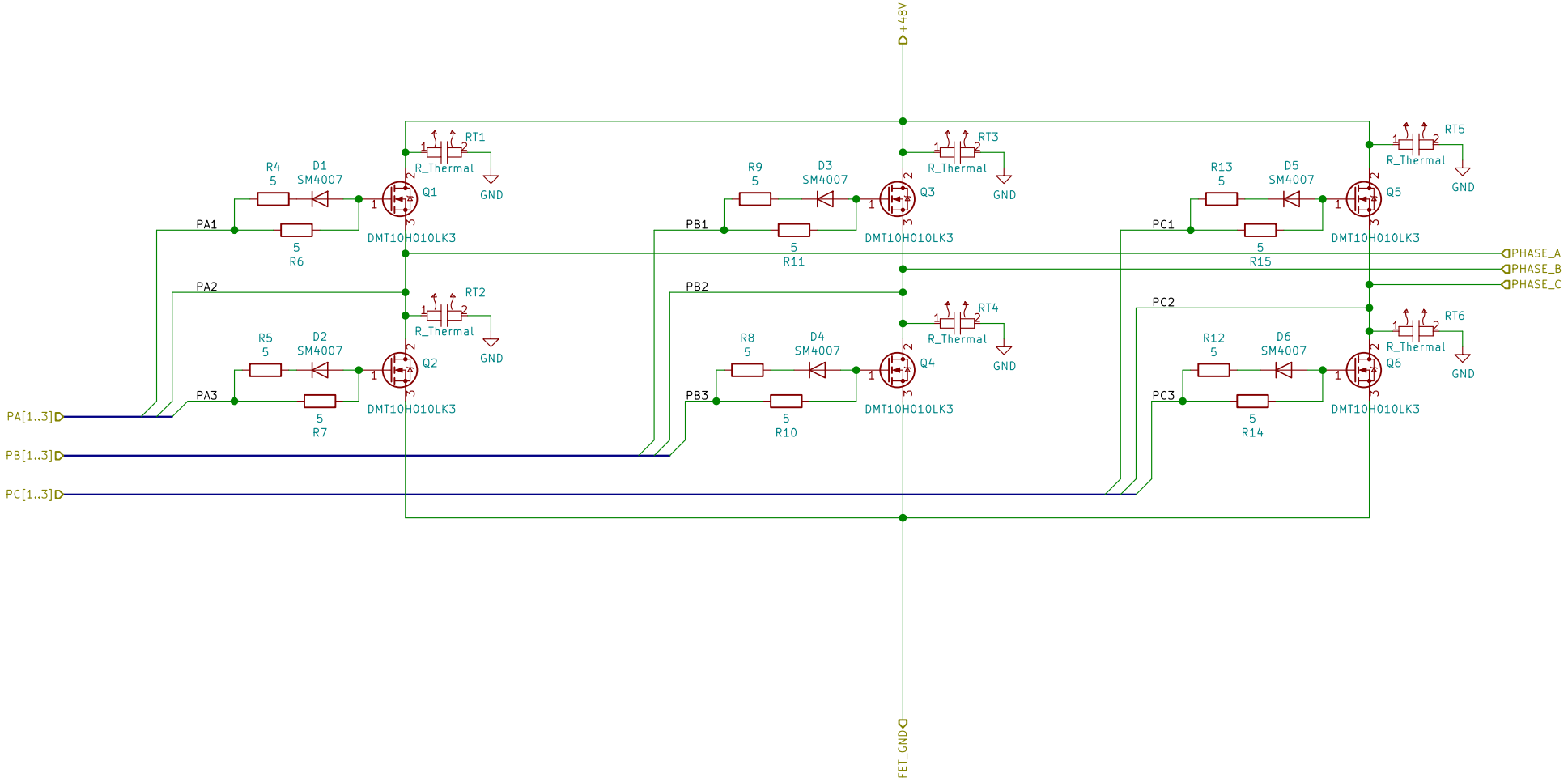
Date:
Rev:
KiCad E.D.A. kicad (5.1.5)-3
Id: 1/7



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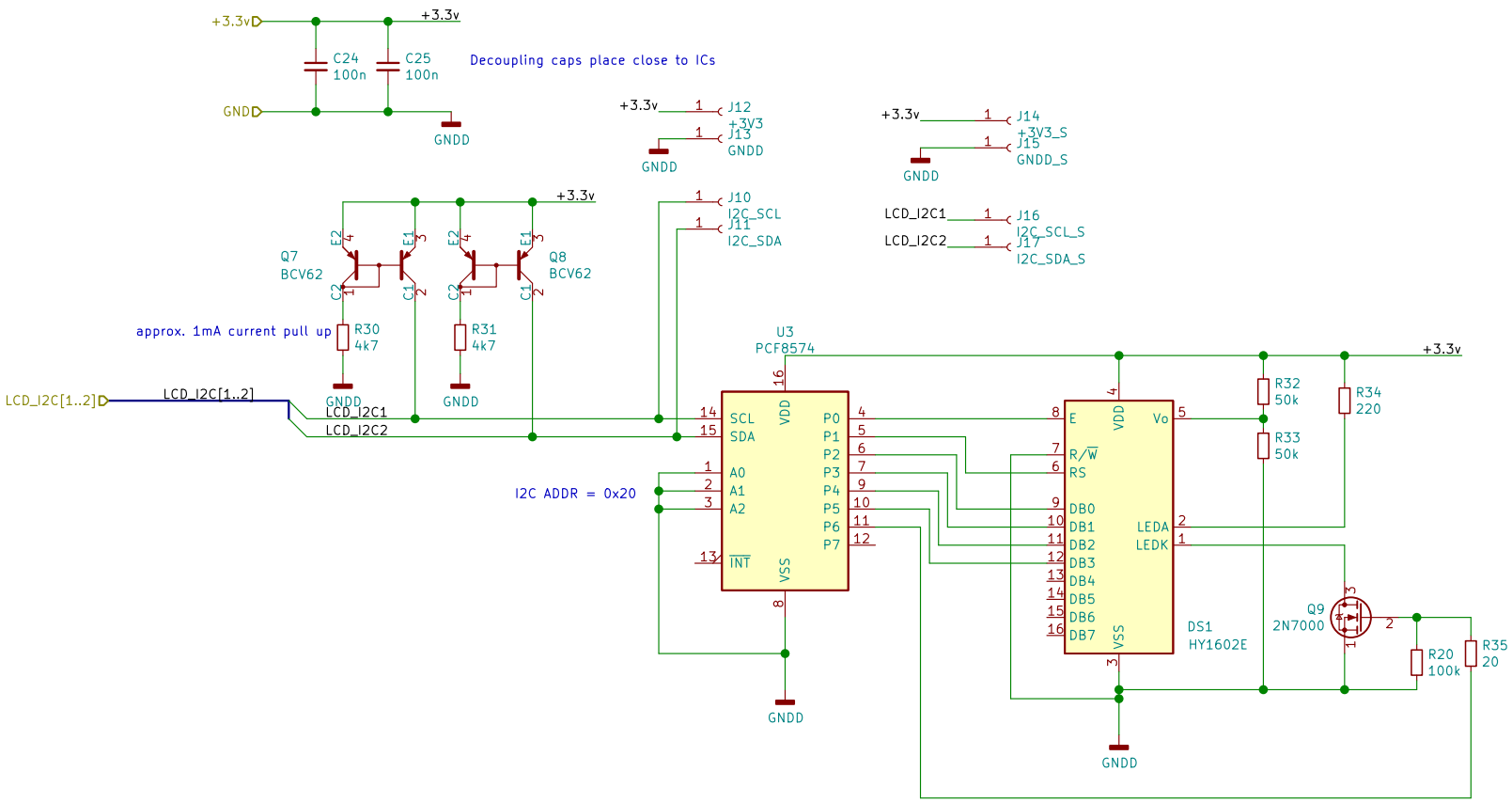
File: Triple_H_Bridge.sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.5)-3		Id: 2/7



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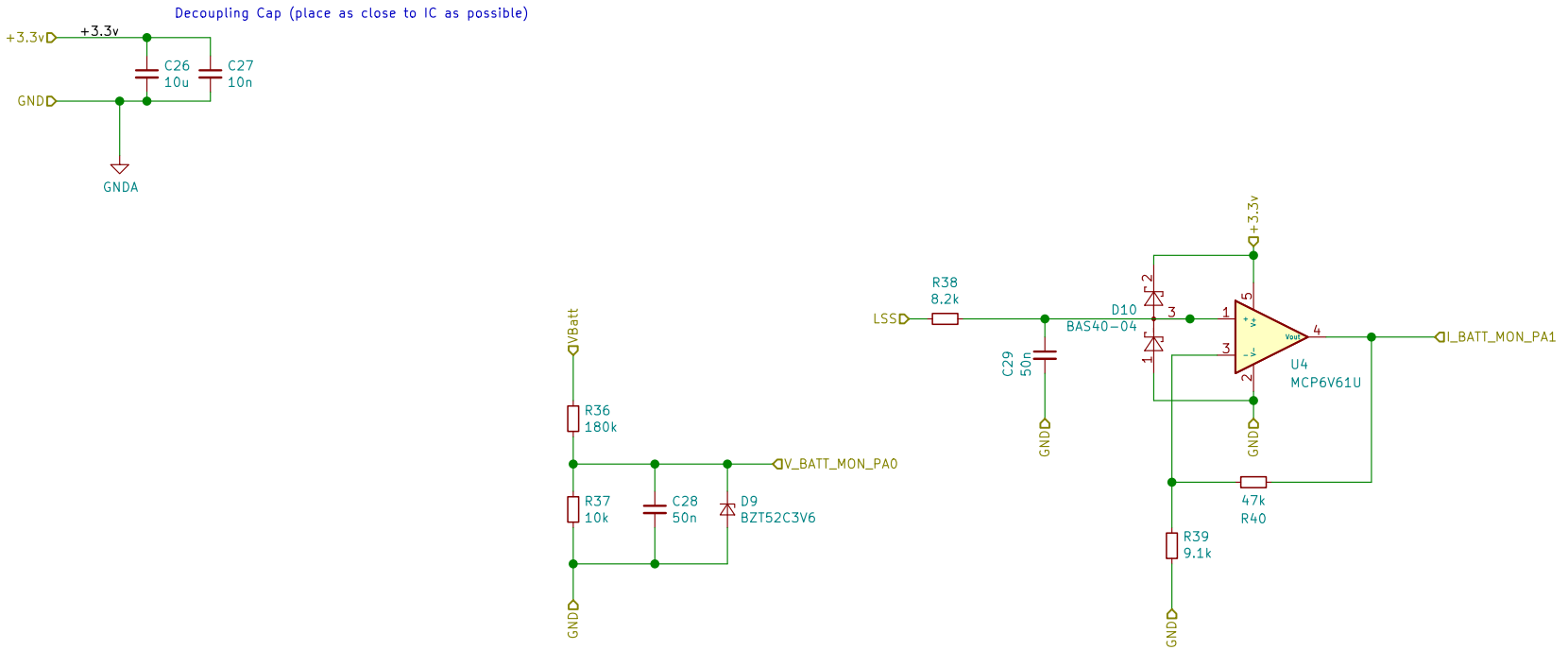
KiCad E.D.A. kicad (5.1.5)-3		Id: 3/7



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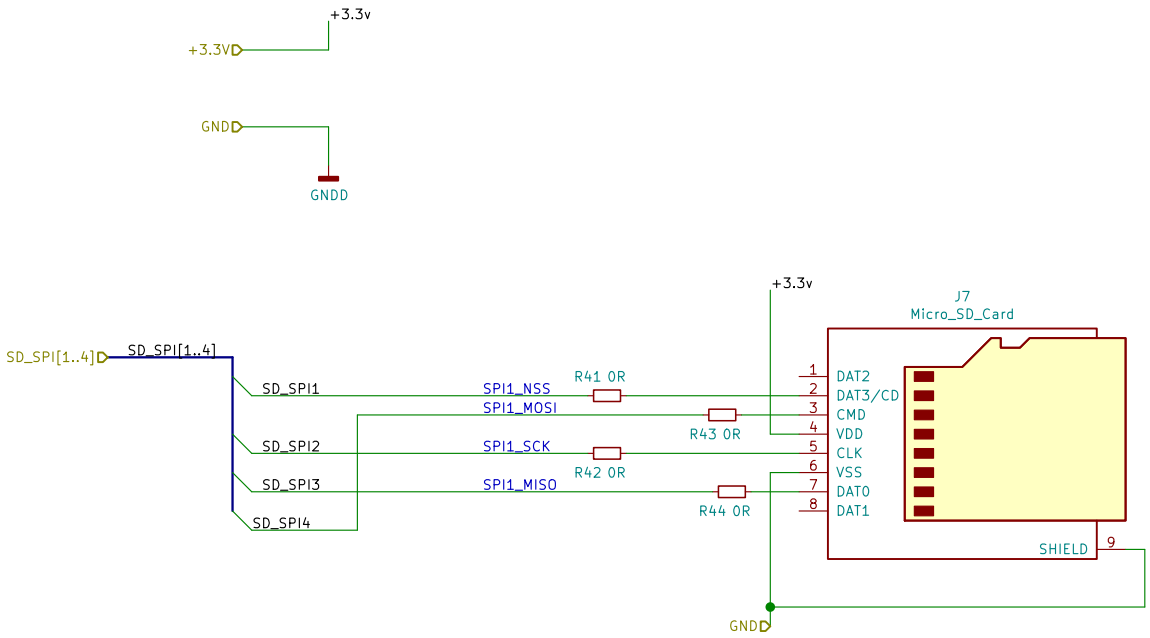
KiCad E.D.A. kicad (5.1.5)-3		Id: 4/7



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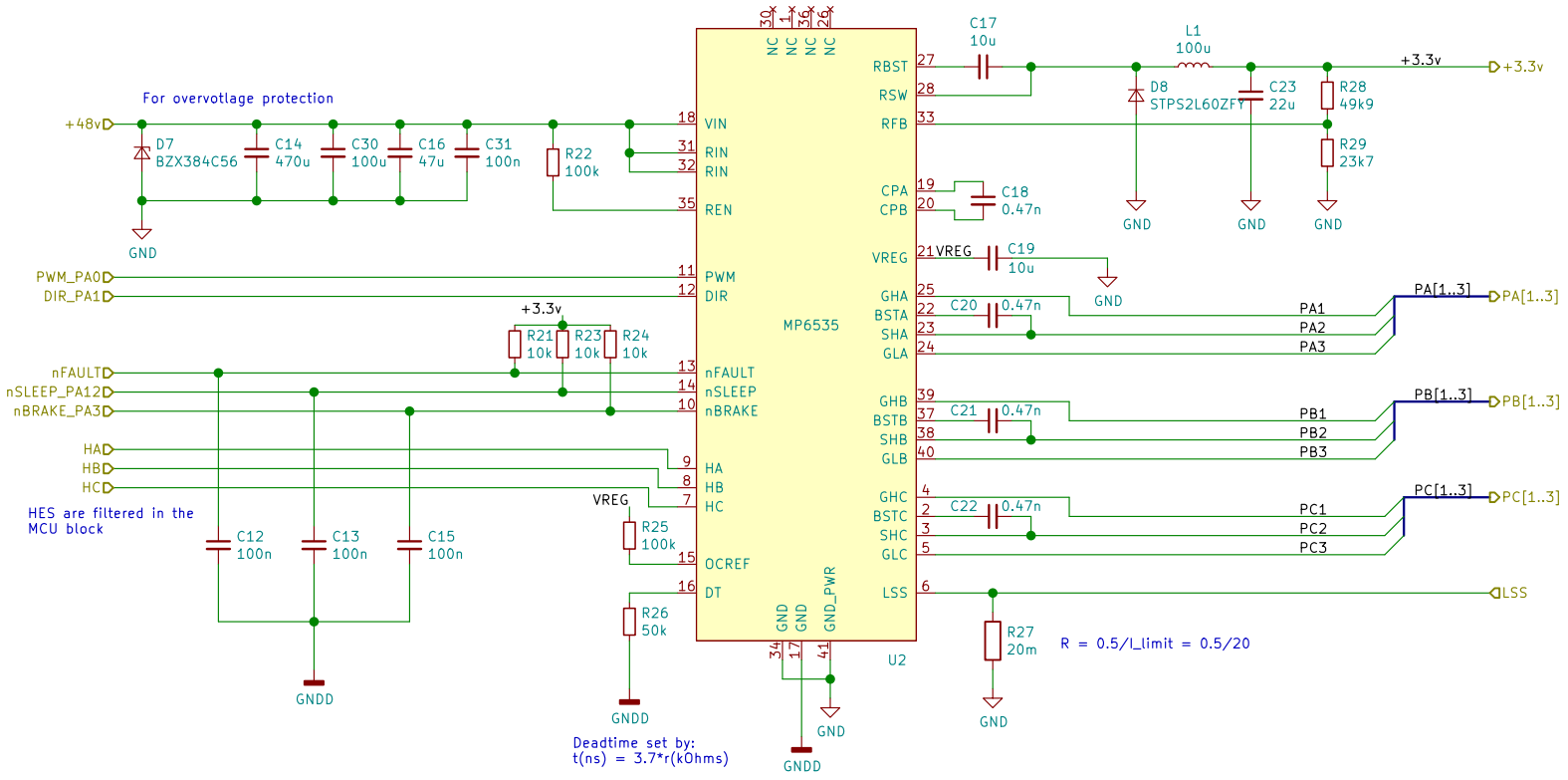
KiCad E.D.A. kicad (5.1.5)-3		Id: 5/7



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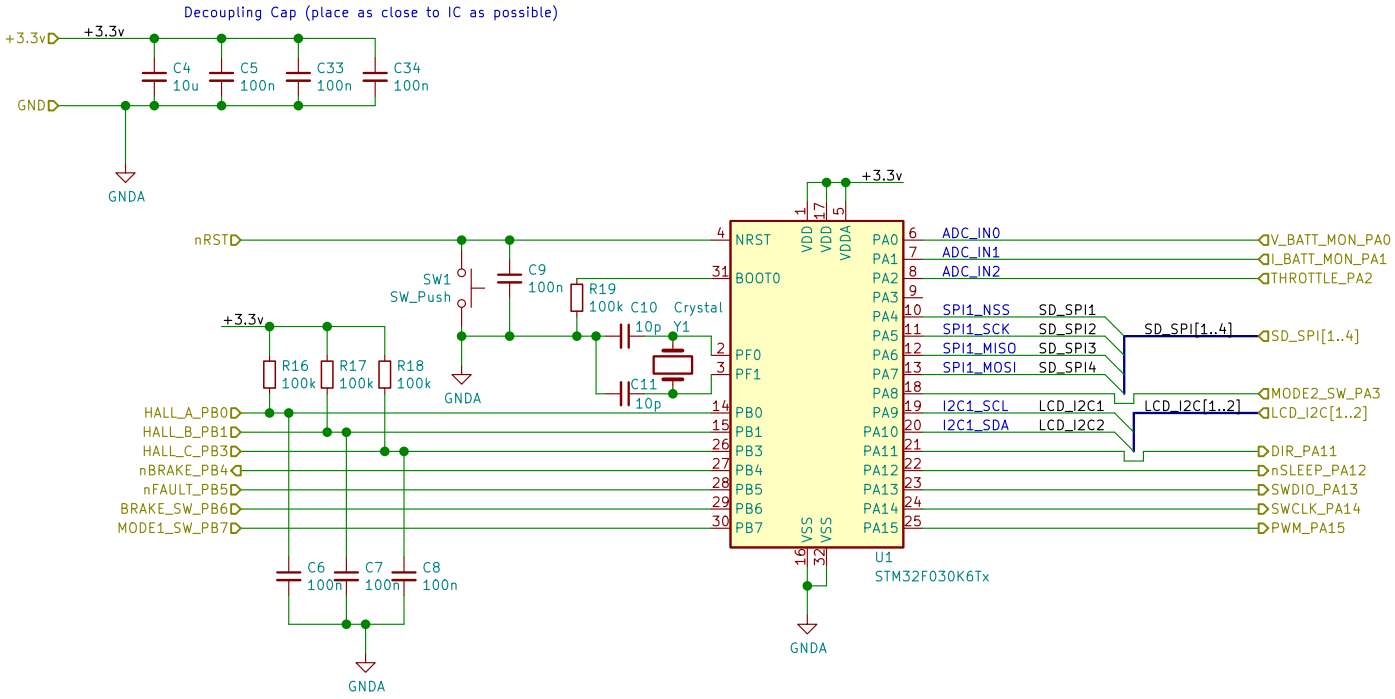
KiCad E.D.A. kicad (5.1.5)-3		Id: 6/7



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Title:		
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