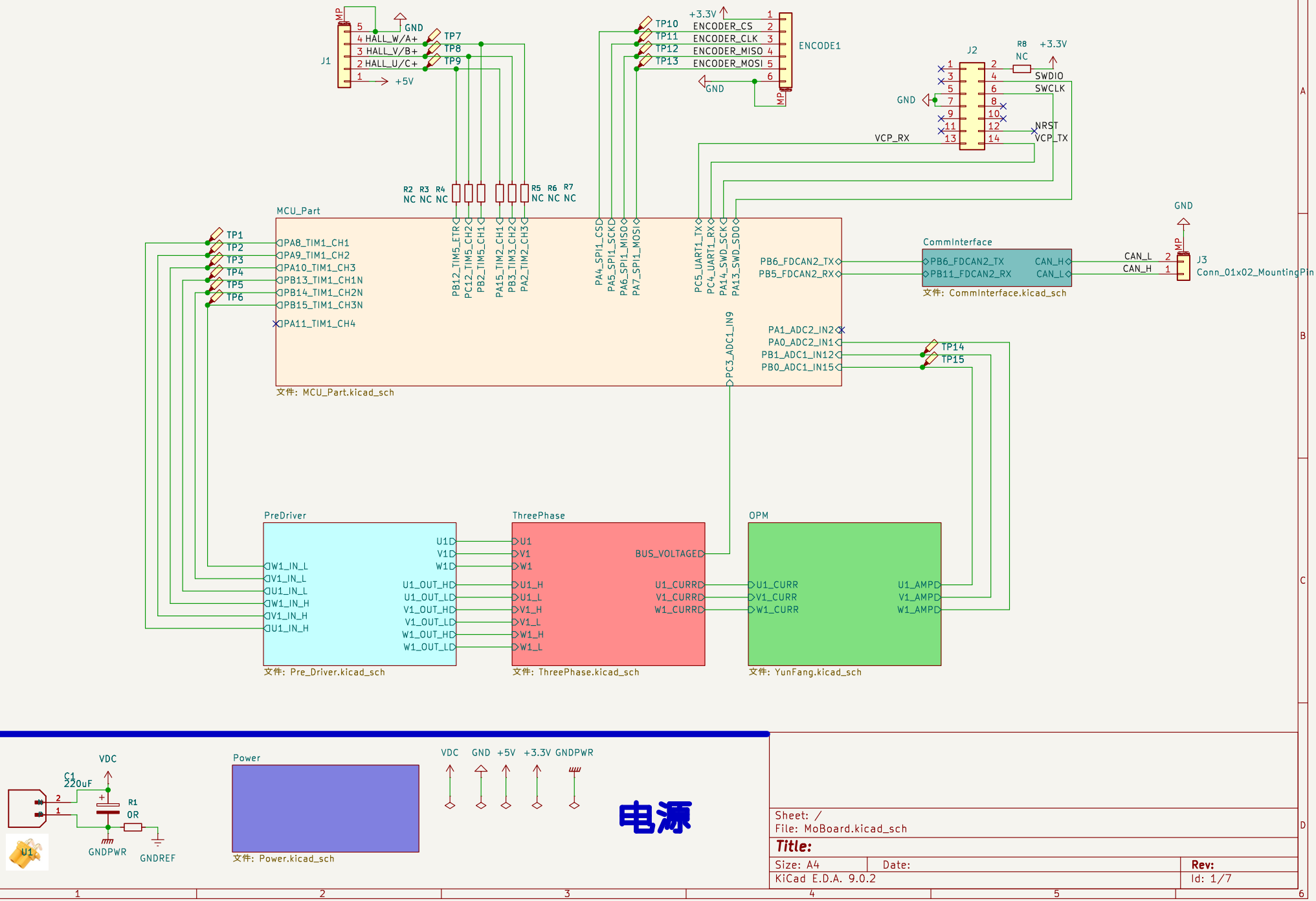
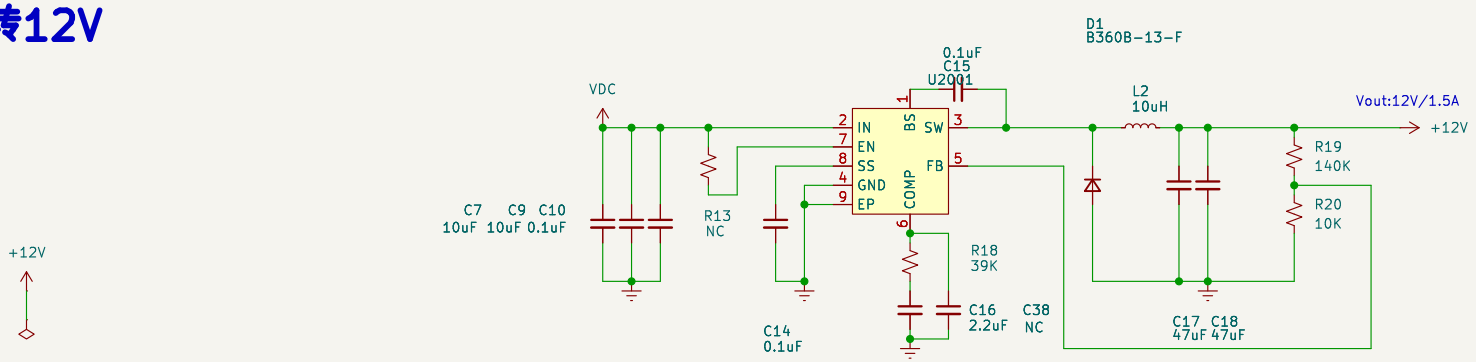
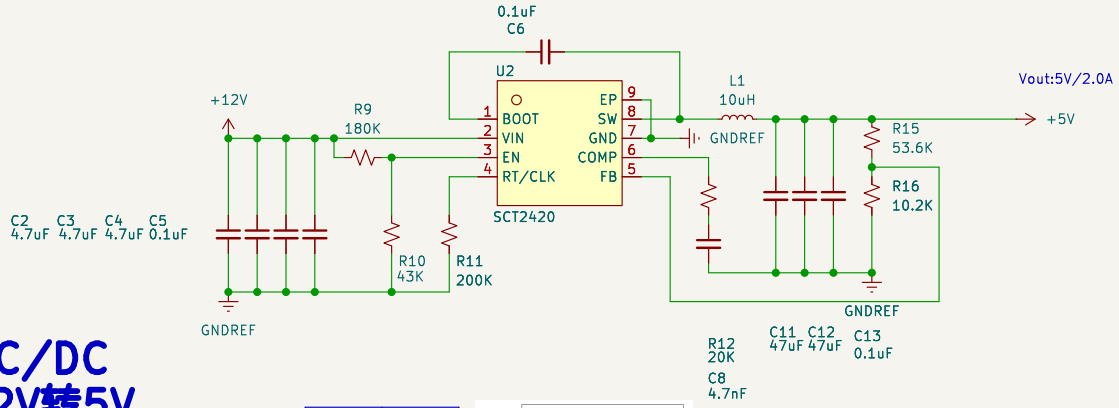
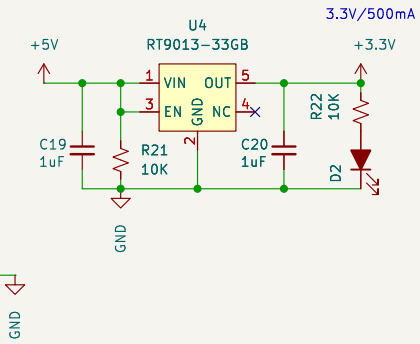
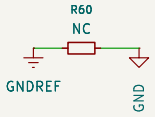

J1
HALL_W/A+
HALL_V/B+
HALL_U/C+
GND
+5V
TP7
TP8
TP9
ENCODE1
TP10
TP11
TP12
TP13
ENCODER_CS
ENCODER_CLK
ENCODER_MISO
ENCODER_MOSI
+3.3V
J2
R8
NC
SWDIO
SWCLK
NRST
VCP_TX
VCP_RX
R2 R3 R4
NC NC NC
R5 R6 R7
NC NC NC
MCU_Part
TP1
TP2
TP3
TP4
TP5
TP6
PA8_TIM1_CH1
PA9_TIM1_CH2
PA10_TIM1_CH3
PB13_TIM1_CH1N
PB14_TIM1_CH2N
PB15_TIM1_CH3N
PA11_TIM1_CH4
PB12_TIM5_ETR
PC12_TIM5_CH2
PB2_TIM5_CH1
PA15_TIM2_CH1
PB3_TIM2_CH2
PA2_TIM2_CH3
PA4_SPI1_CS
PA5_SPI1_SCK
PA6_SPI1_MISO
PA7_SPI1_MOSI
PC5_UART1_TX
PC4_UART1_RX
PA14_SWD_SCK
PA13_SWD_SDO
PC3_ADC1_IN9
PB6_FDCAN2_TX
PB5_FDCAN2_RX
PA1_ADC2_IN2
PA0_ADC2_IN1
PB1_ADC1_IN12
PB0_ADC1_IN15
文件: MCU_Part.kicad_sch
CommInterface
PB6_FDCAN2_TX
PB11_FDCAN2_RX
CAN_H
CAN_L
文件: CommInterface.kicad_sch
J3
Conn_01x02_MountingPin
TP14
TP15
PreDriver
W1_IN_L
V1_IN_L
U1_IN_L
W1_IN_H
V1_IN_H
U1_IN_H
U1D
V1D
W1D
U1_OUT_HD
U1_OUT_LD
V1_OUT_HD
V1_OUT_LD
W1_OUT_HD
W1_OUT_LD
文件: Pre_Driver.kicad_sch
ThreePhase
U1
V1
W1
U1_H
U1_L
V1_H
V1_L
W1_H
W1_L
BUS_VOLTAGED
U1_CURRD
V1_CURRD
W1_CURRD
文件: ThreePhase.kicad_sch
OPM
U1_CURR
V1_CURR
W1_CURR
U1_AMPD
V1_AMPD
W1_AMPD
文件: YunFang.kicad_sch
VDC
C1
220uF
R1
0R
GNDPWR
GNDREF
U1
Power
文件: Power.kicad_sch
VDC GND +5V +3.3V GNDPWR
电源
Sheet: /
File: MoBoard.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.2
Id: 1/7

DC/DC 24V转12V









DC/DC 12V转5V

Fsw	R
200KHz	500K
330KHz	301K
500KHz	200K
1100KHZ	90.9K

Vout	R_上	R_下
3.3V	31.6K	10.2K
12V	143K	10.2K
5V	53.6K	10.2K

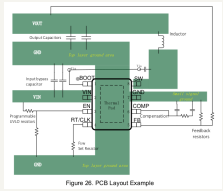
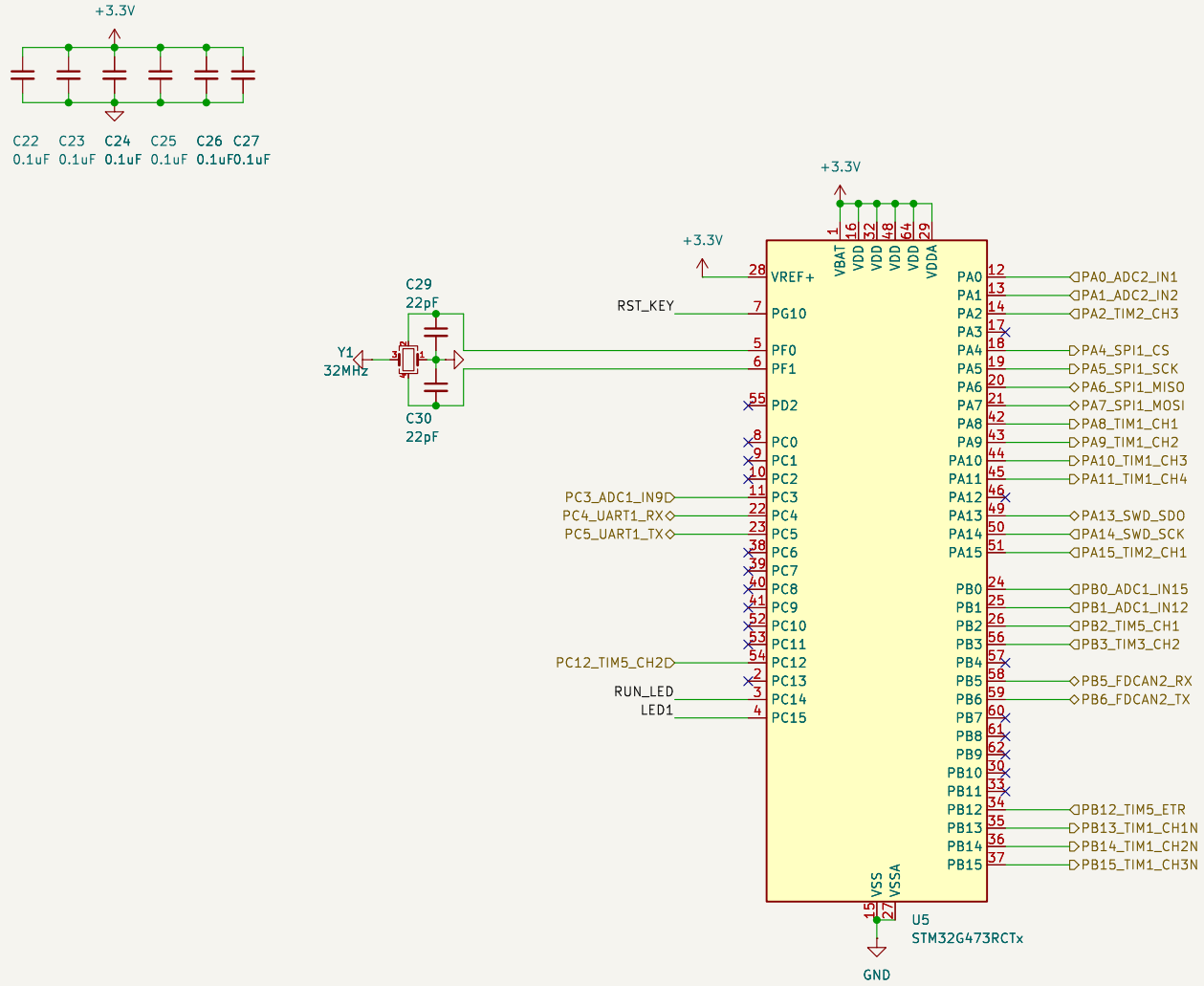


Figure 26. PCB Layout Example

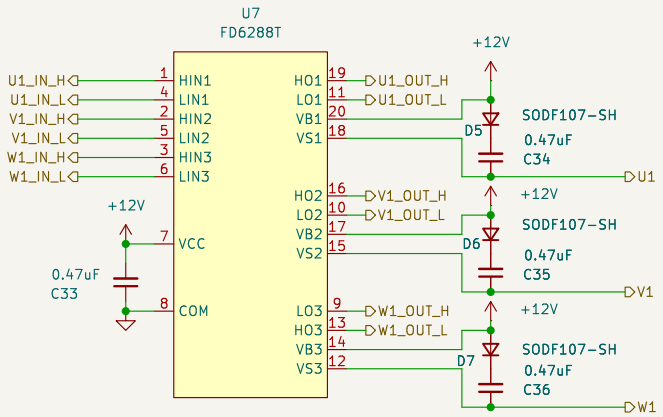
Sheet: /Power/
File: Power.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 2/7



Sheet: /MCU_Part/		
File: MCU_Part.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 3/7



Sheet: /PreDriver/		
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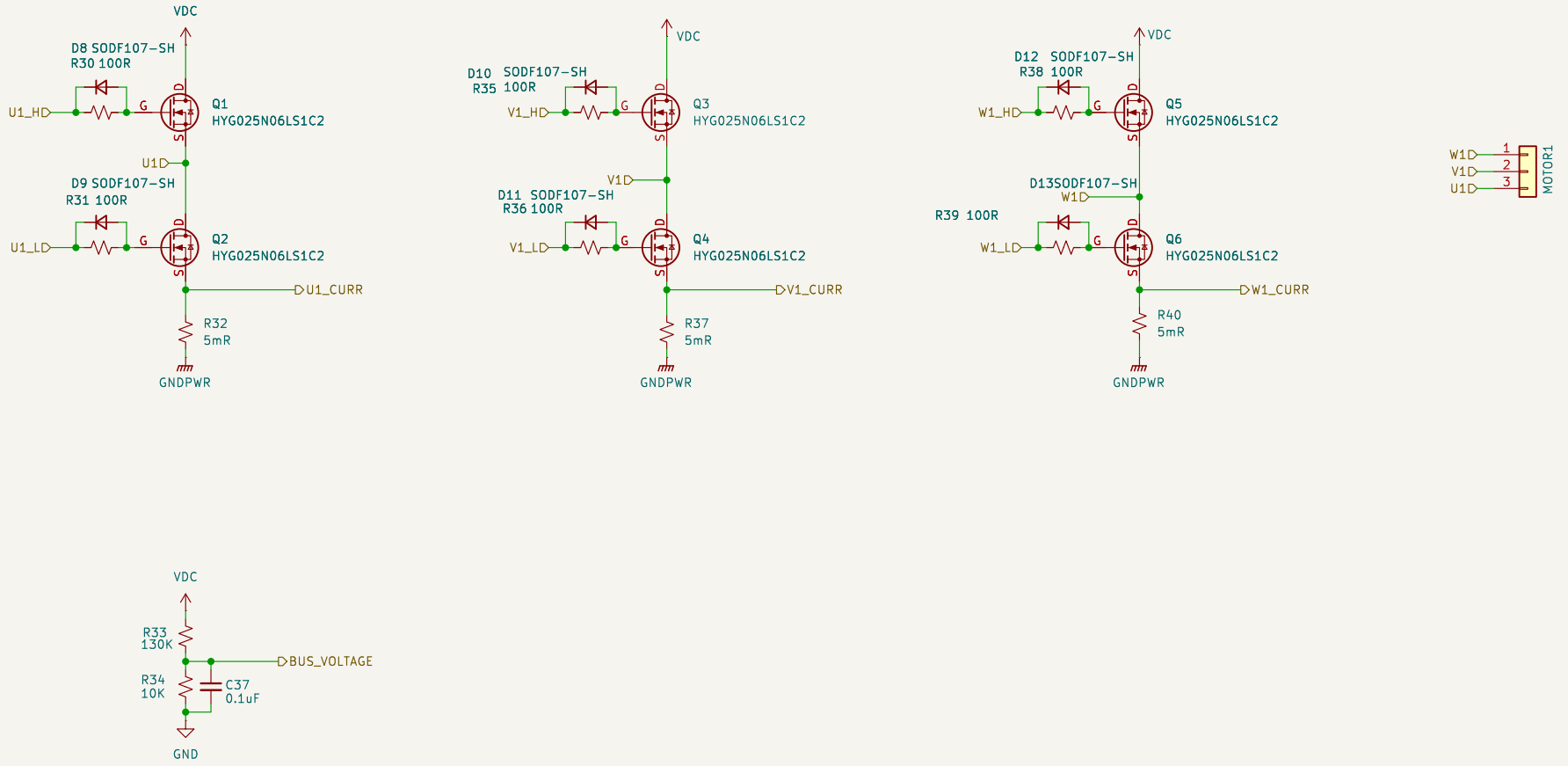
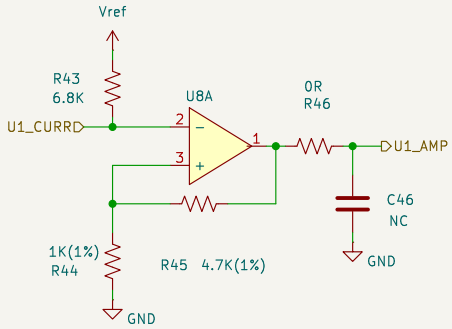
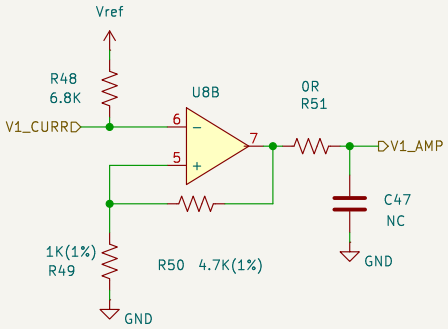
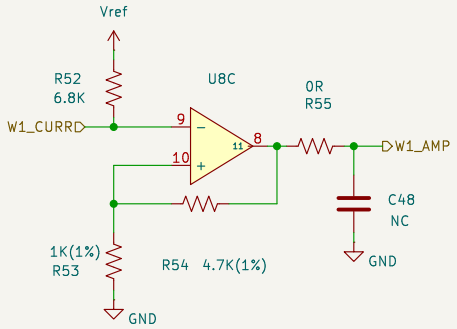
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 5/7

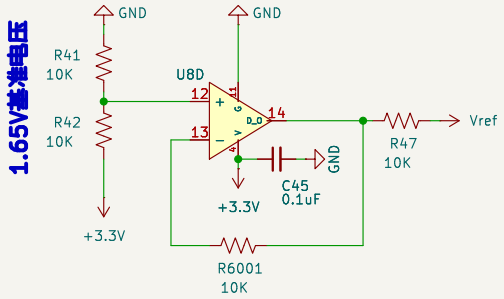


Sheet: /ThreePhase/		
File: ThreePhase.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 6/7









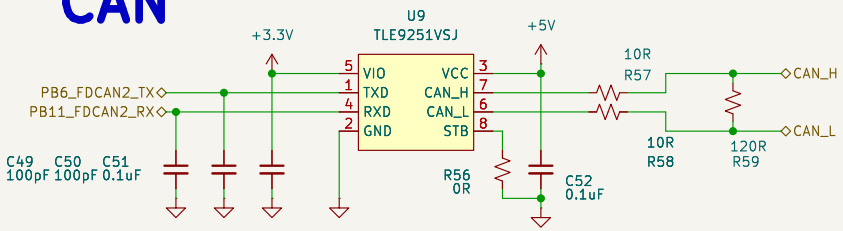
Vref
PWR_FLAG

Sheet: /OPM/
File: YunFang.kicad_sch

Title:

Size: A4 | Date: | **Rev:**
KiCad E.D.A. 9.0.2 | Id: 7/7

CAN



Sheet: /CommInterface/		
File: CommInterface.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.2		Id: 8/7