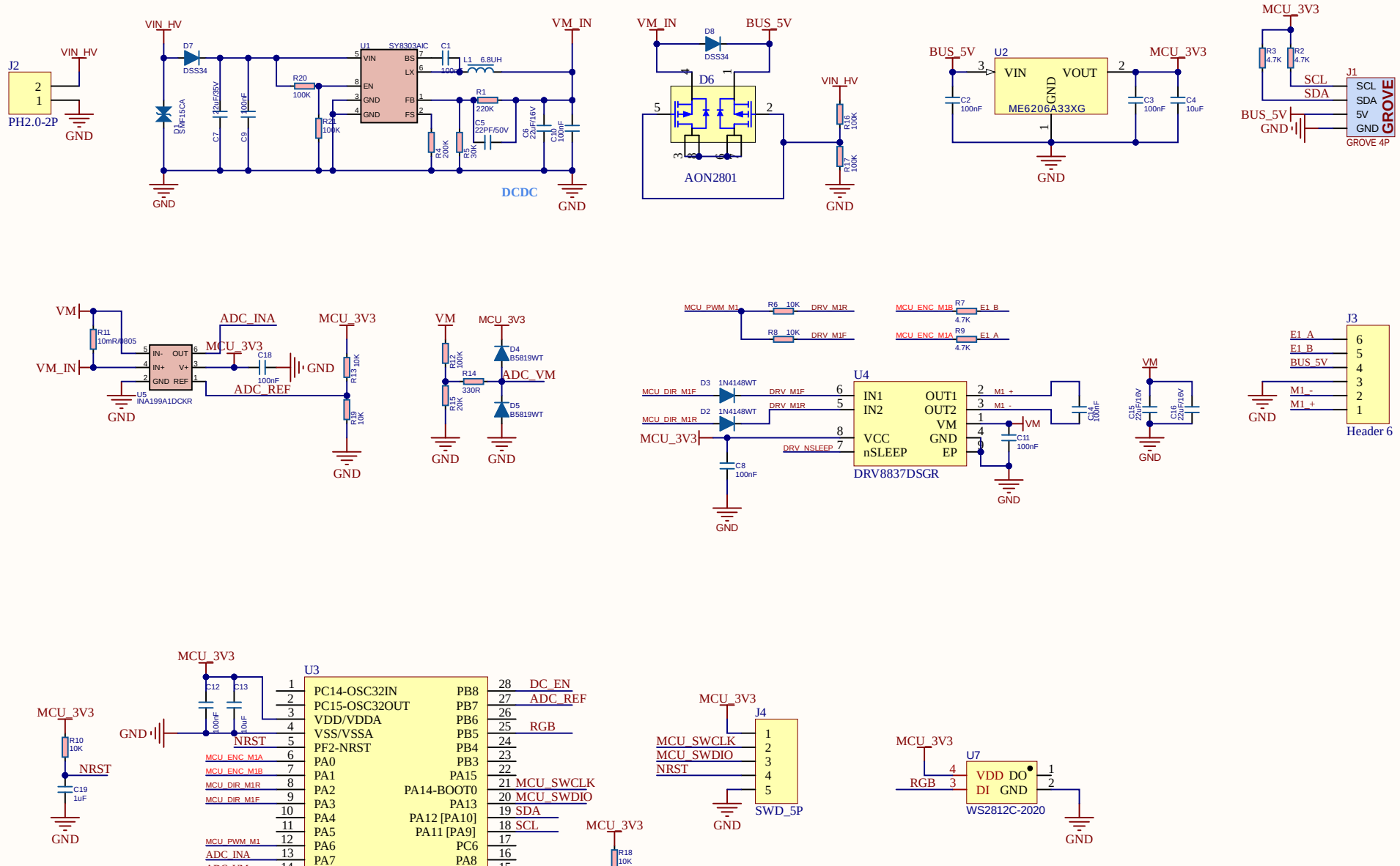

J2
PH2.0-2P
VIN_HV
GND
D7
DSS34
SMF15CA
C7
12uF/35V
C9
100nF
R20
100K
R21
100K
U1
SY8303AIC
VIN
EN
GND
BS
LX
FB
FS
C1
100nF
L1 6.8UH
R1
220K
R4
200K
R5
30K
C5
22PF/50V
C6
22uF/16V
C10
100nF
VM_IN
DCDC
D8
DSS34
D6
AON2801
R16
100K
R17
100K
BUS_5V
U2
VIN
VOUT
GND
ME6206A33XG
C2
100nF
C3
100nF
C4
10uF
MCU_3V3
R3
4.7K
R2
4.7K
J1
SCL
SDA
5V
GND
GROVE
GROVE 4P
VM
R11
10mR/0805
IN-
IN+
GND
OUT
V+
REF
U5
INA199A1DCKR
ADC_INA
MCU_3V3
C18
100nF
ADC_REF
R13
10K
R19
10K
R12
100K
R14
330R
R15
20K
D4
B5819WT
ADC_VM
D5
B5819WT
MCU_PWM_M1
R6 10K
DRV_M1R
R8 10K
DRV_M1F
MCU_ENC_M1B
R7
4.7K
E1_B
MCU_ENC_M1A
R9
4.7K
E1_A
D3
1N4148WT
D2
1N4148WT
MCU_DIR_M1F
MCU_DIR_M1R
MCU_3V3
C8
100nF
U4
IN1
IN2
VCC
nSLEEP
OUT1
OUT2
VM
GND
EP
DRV_NSLEEP
DRV8837DSGR
M1 +
M1 -
C14
100nF
C11
100nF
C15
22uF/16V
C16
22uF/16V
J3
E1_A
E1_B
BUS_5V
M1_-
M1_+
Header 6
R10
10K
NRST
C19
1uF
C12
100nF
C13
10uF
U3
PC14-OSC32IN
PC15-OSC32OUT
VDD/VDDA
VSS/VSSA
PF2-NRST
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB8
PB7
PB6
PB5
PB4
PB3
PA15
PA14-BOOT0
PA13
PA12 [PA10]
PA11 [PA9]
PC6
PA8
PB1
DC_EN
ADC_REF
RGB
MCU_SWCLK
MCU_SWDIO
SDA
SCL
DRV_NSLEEP
STM32G031G8U6
R18
10K
J4
SWD_5P
U7
VDD
DI
DO
GND
WS2812C-2020

V0.3迭代说明

1.移除DCDC EN软件使能，使用默认电源使能

V0.2迭代说明

1.电机驱动芯片改成通用型号DRV8837DSGR

2.增加ADC读取INA199A 基准电压输入引脚电压

3.增加DC_EN 引脚控制SY8303， 高电平使能