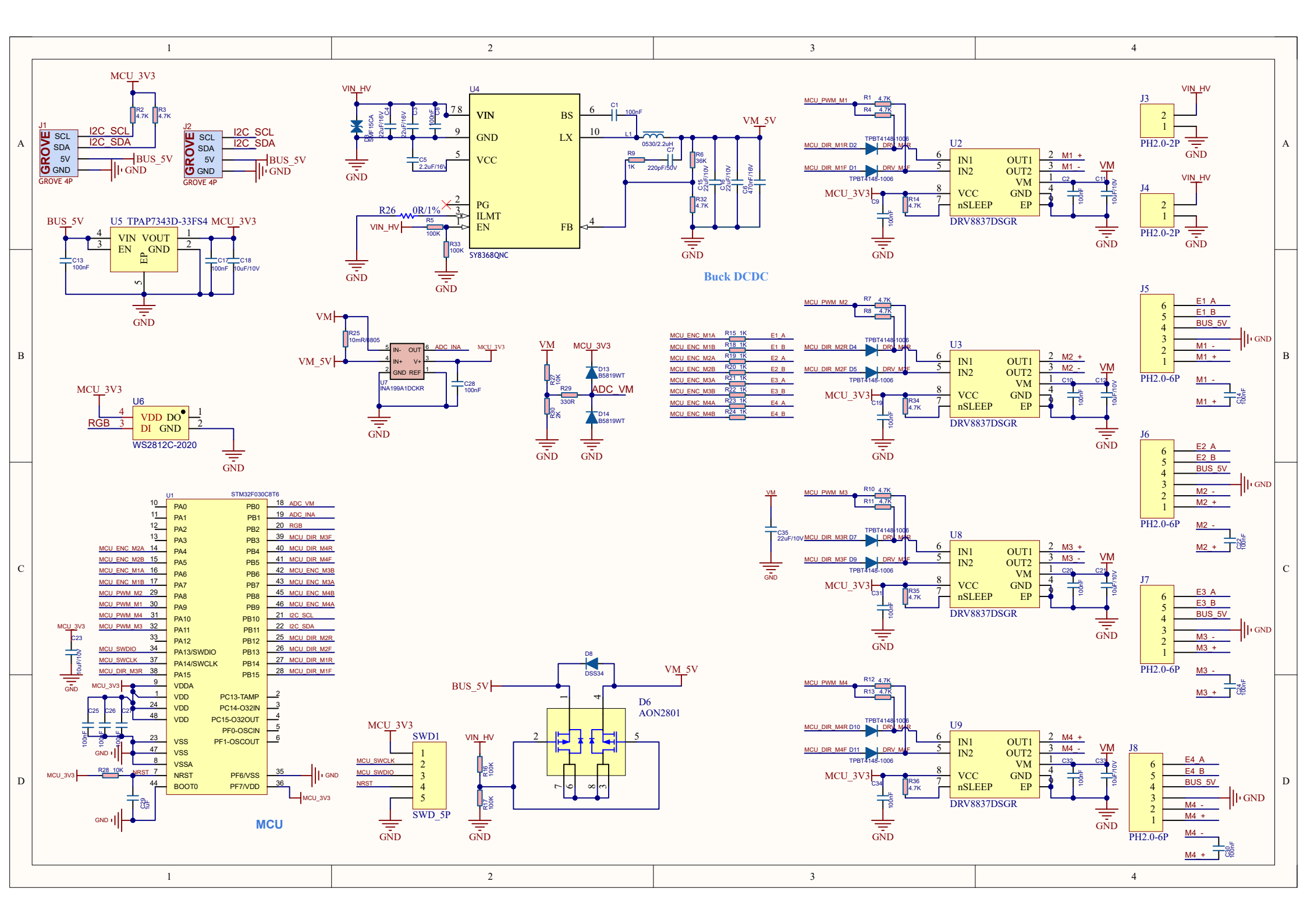

MCU_3V3
J1
GROVE
SCL
SDA
5V
GND
GROVE 4P
I2C_SCL
I2C_SDA
BUS_5V
J2
R2 4.7K
R3 4.7K
VIN_HV
U4
SY8368QNC
VIN
GND
VCC
BS
LX
PG
ILMT
EN
FB
C1 100nF
L1 0530/2.2uH
R9 1K
C7 220pF/50V
R6 36K
R32 4.7K
C15 22uF/10V
C16 22uF/10V
C6 470nF/16V
VM_5V
R26 0R/1%
R5 100K
R33 100K
Buck DCDC
BUS_5V
U5 TPAP7343D-33FS4 MCU_3V3
VIN VOUT
EN GND
EP
C13 100nF
C17 100nF
C18 10uF/10V
VM
VM_5V
R25 10mR/0805
U7 INA199A1DCKR
IN- OUT
IN+ V+
GND REF
ADC_INA
C28 100nF
MCU_3V3
U6
RGB
VDD DO
DI GND
WS2812C-2020
R27 10K
R30 2K
R29 330R
D13 B5819WT
D14 B5819WT
ADC_VM
MCU_PWM_M1
MCU_DIR_M1R D2
MCU_DIR_M1F D1
R1 4.7K
R4 4.7K
TPBT4148-1006
U2
DRV8837DSGR
IN1
IN2
VCC
nSLEEP
OUT1
OUT2
VM
GND
EP
M1 +
M1 -
C9 100nF
R14 4.7K
C2 100nF
C11 10uF/10V
J3
J4
PH2.0-2P
MCU_PWM_M2
MCU_DIR_M2R D4
MCU_DIR_M2F D5
R7 4.7K
R8 4.7K
U3
C19 100nF
R34 4.7K
C10 100nF
C12 10uF/10V
M2 +
M2 -
J5
J6
PH2.0-6P
E1_A
E1_B
BUS_5V
M1 -
M1 +
E2_A
E2_B
MCU_ENC_M1A
MCU_ENC_M1B
MCU_ENC_M2A
MCU_ENC_M2B
MCU_ENC_M3A
MCU_ENC_M3B
MCU_ENC_M4A
MCU_ENC_M4B
R15 1K
R18 1K
R19 1K
R20 1K
R21 1K
R22 1K
R23 1K
R24 1K
E3_A
E3_B
E4_A
E4_B
U1
STM32F030C8T6
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13/SWDIO
PA14/SWCLK
PA15
VDDA
VDD
VSS
VSSA
NRST
BOOT0
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PC13-TAMP
PC14-O32IN
PC15-O32OUT
PF0-OSCIN
PF1-OSCOUT
PF6/VSS
PF7/VDD
ADC_VM
ADC_INA
RGB
I2C_SCL
I2C_SDA
MCU_DIR_M2R
MCU_DIR_M2F
MCU_DIR_M1R
MCU_DIR_M1F
MCU_DIR_M3F
MCU_DIR_M4R
MCU_DIR_M4F
MCU_DIR_M3R
MCU_SWDIO
MCU_SWCLK
MCU_DIR_M3R
R28 10K
C29 10P
MCU
SWD1
SWD_5P
D8 DSS34
D6 AON2801
MCU_PWM_M3
MCU_DIR_M3R D7
MCU_DIR_M3F D9
U8
C35 22uF/10V
R10 4.7K
R11 4.7K
R35 4.7K
C20 100nF
C21 10uF/10V
M3 +
M3 -
J7
MCU_PWM_M4
MCU_DIR_M4R D10
MCU_DIR_M4F D11
U9
R12 4.7K
R13 4.7K
R36 4.7K
C32 100nF
C33 10uF/10V
M4 +
M4 -
J8