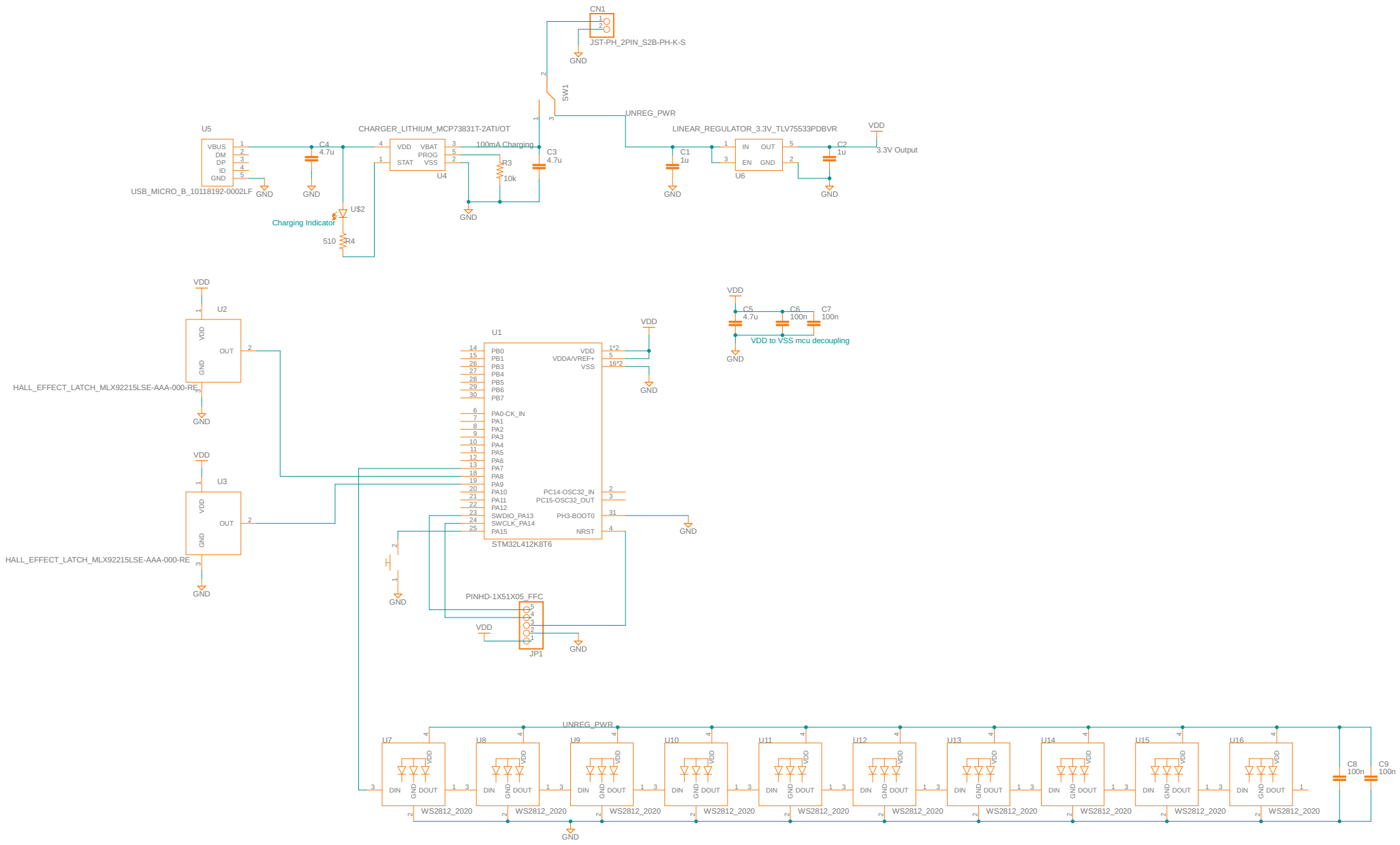
CN1
JST-PH_2PIN_S2B-PH-K-S
GND
SW1
UNREG_PWR
U5
VBUS
DM
DP
ID
GND
USB_MICRO_B_10118192-0002LF
C4
4.7u
CHARGER_LITHIUM_MCP73831T-2ATI/OT
VDD
VBAT
PROG
STAT
VSS
U4
100mA Charging
R3
10k
C3
4.7u
U$2
Charging Indicator
510
R4
LINEAR_REGULATOR_3.3V_TLV75533PDBVR
C1
1u
IN
OUT
EN
GND
U6
C2
1u
VDD
3.3V Output
U2
HALL_EFFECT_LATCH_MLX92215LSE-AAA-000-RE
U3
HALL_EFFECT_LATCH_MLX92215LSE-AAA-000-RE
U1
PB0
PB1
PB3
PB4
PB5
PB6
PB7
PA0-CK_IN
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
SWDIO_PA13
SWCLK_PA14
PA15
PC14-OSC32_IN
PC15-OSC32_OUT
PH3-BOOT0
NRST
VDDA/VREF+
STM32L412K8T6
C5
4.7u
C6
100n
C7
100n
VDD to VSS mcu decoupling
PINHD-1X51X05_FFC
JP1
U7
U8
U9
U10
U11
U12
U13
U14
U15
U16
DIN
DOUT
WS2812_2020
C8
100n
C9
100n