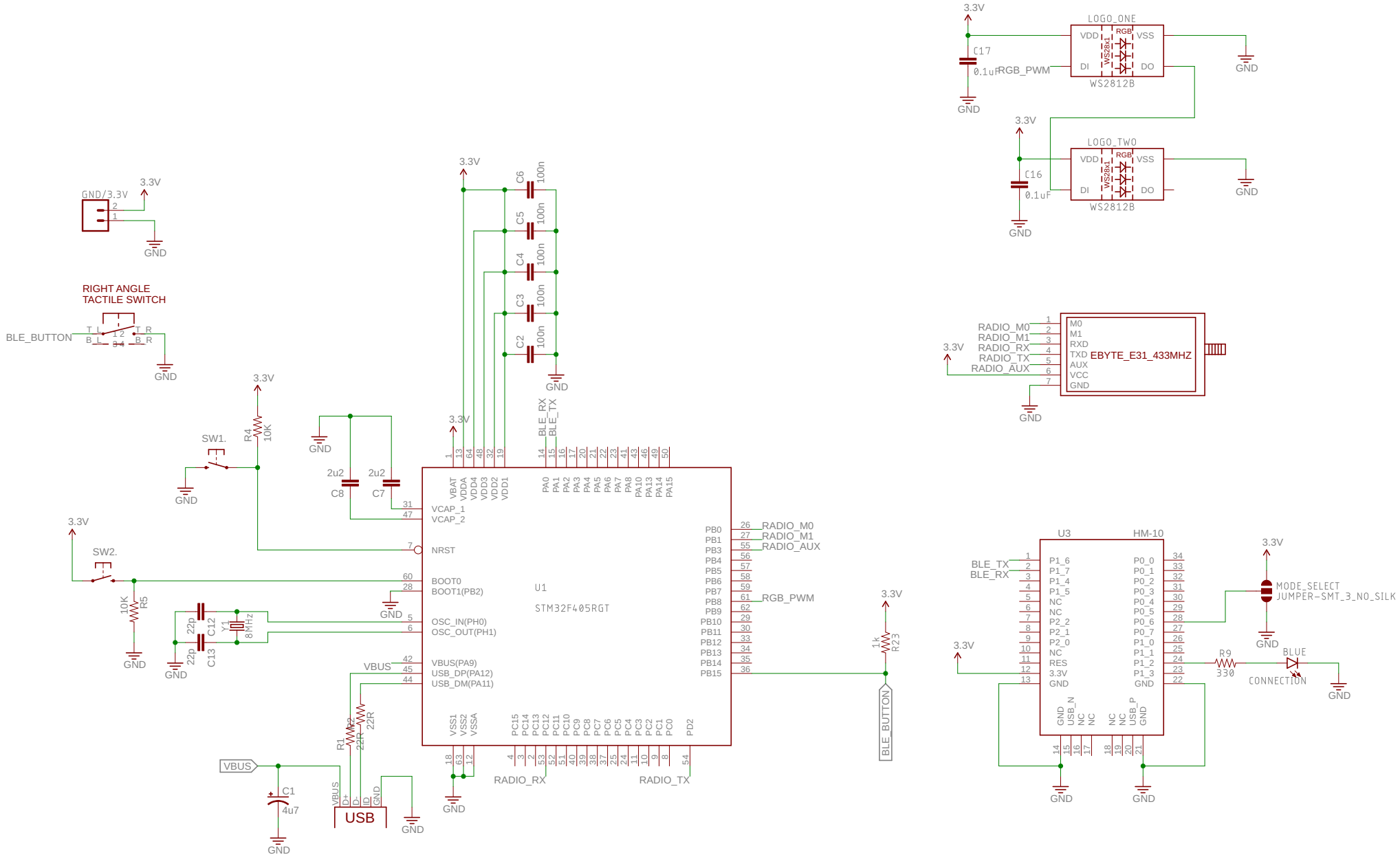
GND/3.3V
3.3V
GND
RIGHT ANGLE
TACTILE SWITCH
BLE_BUTTON
SW1.
R4
10K
SW2.
R5
10K
C8
2u2
C7
2u2
C6
100n
C5
100n
C4
100n
C3
100n
C2
100n
BLE_RX
BLE_TX
VBAT
VDDA
VDD4
VDD3
VDD2
VDD1
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA10
PA13
PA14
PA15
VCAP_1
VCAP_2
NRST
BOOT0
BOOT1(PB2)
OSC_IN(PH0)
OSC_OUT(PH1)
VBUS(PA9)
USB_DP(PA12)
USB_DM(PA11)
U1
STM32F405RGT
PB0
PB1
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
RADIO_M0
RADIO_M1
RADIO_AUX
RGB_PWM
VSS1
VSS2
VSSA
PC15
PC14
PC13
PC12
PC11
PC10
PC9
PC8
PC7
PC6
PC5
PC4
PC3
PC2
PC1
PC0
PD2
RADIO_RX
RADIO_TX
C12
22p
C13
22p
Y1
8MHz
VBUS
C1
4u7
R1
22R
R2
22R
USB
D+
D-
ID
GND
1k
R23
BLE_BUTTON
LOGO_ONE
VDD
VSS
DI
DO
RGB
WS2B41
WS2812B
C17
0.1uF
RGB_PWM
LOGO_TWO
C16
0.1uF
M0
M1
RXD
TXD
AUX
VCC
EBYTE_E31_433MHZ
U3
HM-10
BLE_TX
BLE_RX
P1_6
P1_7
P1_4
P1_5
NC
P2_2
P2_1
P2_0
RES
3.3V
P0_0
P0_1
P0_2
P0_3
P0_4
P0_5
P0_6
P0_7
P1_0
P1_1
P1_2
P1_3
USB_N
USB_P
MODE_SELECT
JUMPER-SMT_3_NO_SILK
R9
330
BLUE
CONNECTION