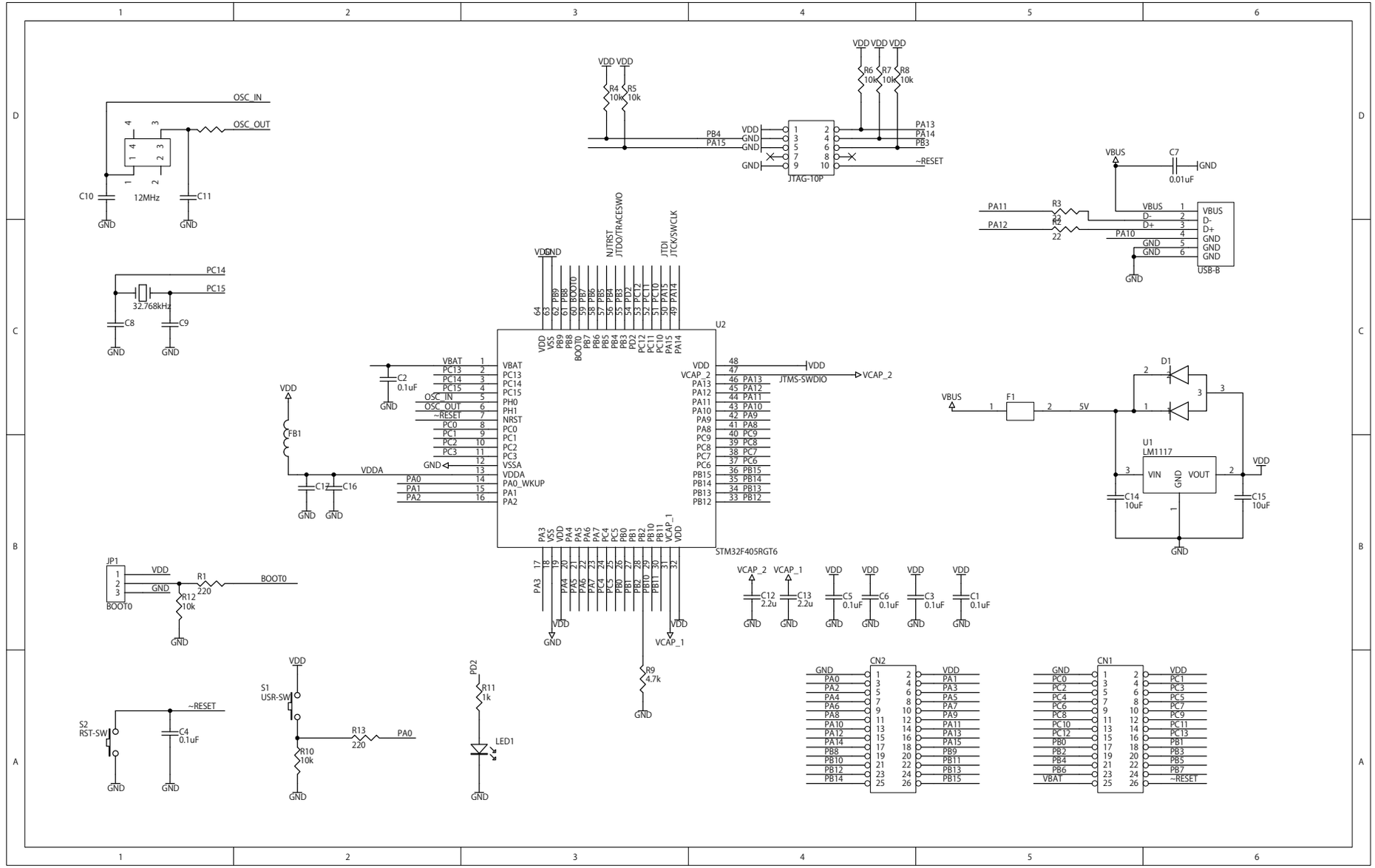

OSC_IN
OSC_OUT
12MHz
C10
C11
GND
PC14
PC15
32.768kHz
C8
C9
VDD
R4 10k
R5 10k
R6 10k
R7 10k
R8 10k
PB4
PA15
JTAG-10P
PA13
PA14
PB3
~RESET
VBUS
C7
0.01uF
PA11
PA12
R3
R2
22
PA10
USB-B
NJTRST
JTDO/TRACESWO
JTDI
JTCK/SWCLK
U2
STM32F405RGT6
VBAT
PC13
PC14
PC15
PH0
PH1
NRST
PC0
PC1
PC2
PC3
VSSA
VDDA
PA0_WKUP
PA1
PA2
VDD
VCAP_2
PA13
PA12
PA11
PA10
PA9
PA8
PC9
PC8
PC7
PC6
PB15
PB14
PB13
PB12
JTMS-SWDIO
VCAP_2
C2
0.1uF
FB1
C17
C16
VDDA
D1
F1
5V
U1
LM1117
VIN
VOUT
C14
10uF
C15
10uF
JP1
BOOT0
R1
220
R12
10k
VCAP_1
C12
2.2u
C13
2.2u
C5
0.1uF
C6
0.1uF
C3
0.1uF
C1
0.1uF
R9
4.7k
S2
RST-SW
C4
0.1uF
S1
USR-SW
R13
220
PA0
R10
10k
PD2
R11
1k
LED1
CN2
CN1