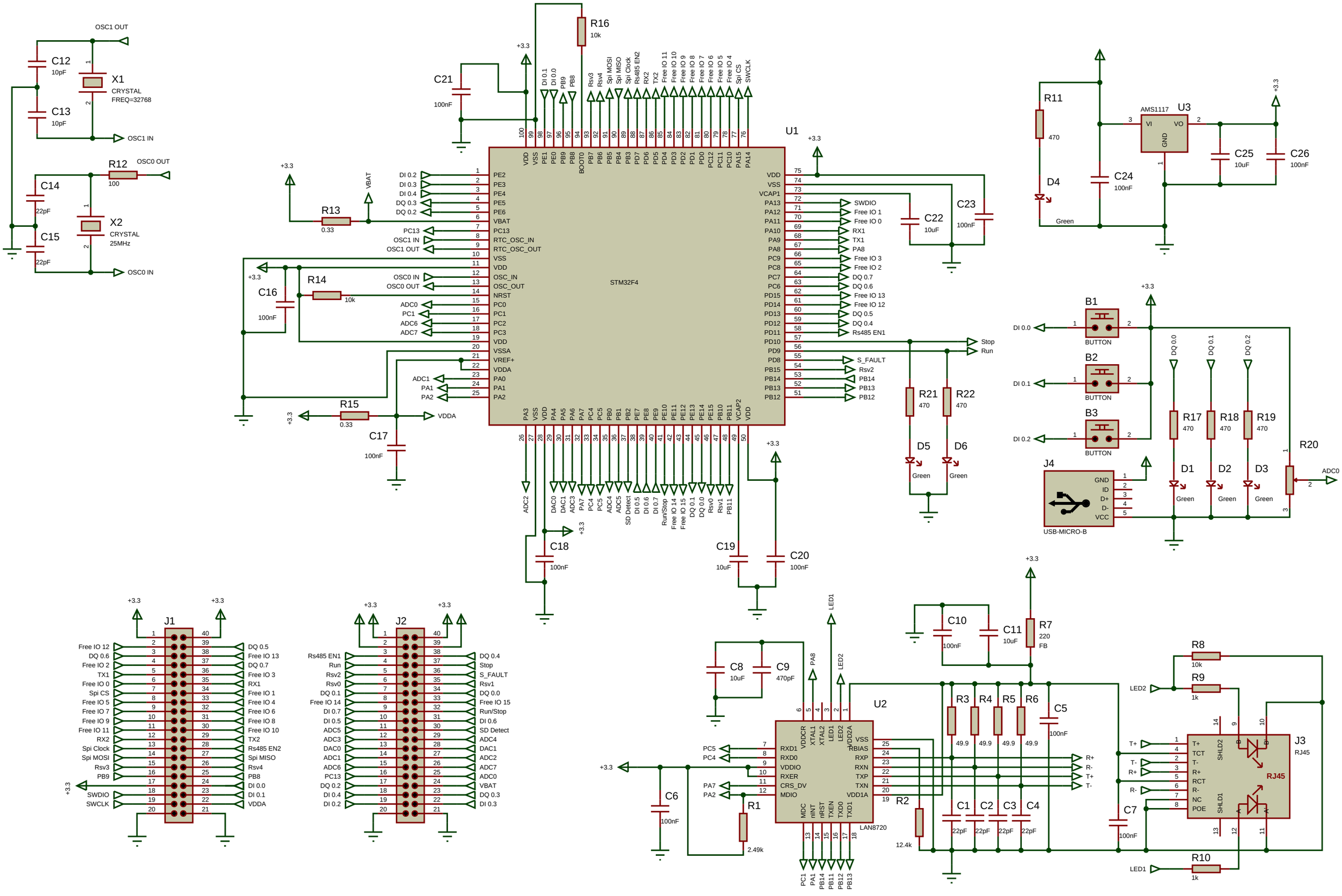

OSC1 OUT
C12
10pF
X1
CRYSTAL
FREQ=32768
C13
10pF
OSC1 IN
R12
100
OSC0 OUT
C14
22pF
X2
CRYSTAL
25MHz
C15
22pF
OSC0 IN
R16
10k
C21
100nF
+3.3
U1
STM32F4
R13
0.33
VBAT
R14
10k
C16
100nF
R15
0.33
VDDA
C17
100nF
C18
100nF
C19
10uF
C20
100nF
C22
10uF
C23
100nF
R21
470
R22
470
D5
D6
Green
Stop
Run
R11
470
D4
Green
C24
100nF
AMS1117
U3
VI
VO
GND
C25
10uF
C26
100nF
B1
B2
B3
BUTTON
DI 0.0
DI 0.1
DI 0.2
R17
470
R18
470
R19
470
D1
D2
D3
R20
ADC0
J4
GND
ID
D+
D-
VCC
USB-MICRO-B
J1
J2
C8
10uF
C9
470pF
U2
LAN8720
C10
100nF
C11
10uF
R7
220
FB
R3
R4
R5
R6
49.9
C5
100nF
R1
2.49k
R2
12.4k
C6
100nF
C1
22pF
C2
22pF
C3
22pF
C4
22pF
C7
100nF
R8
10k
R9
1k
R10
1k
J3
RJ45
LED1
LED2