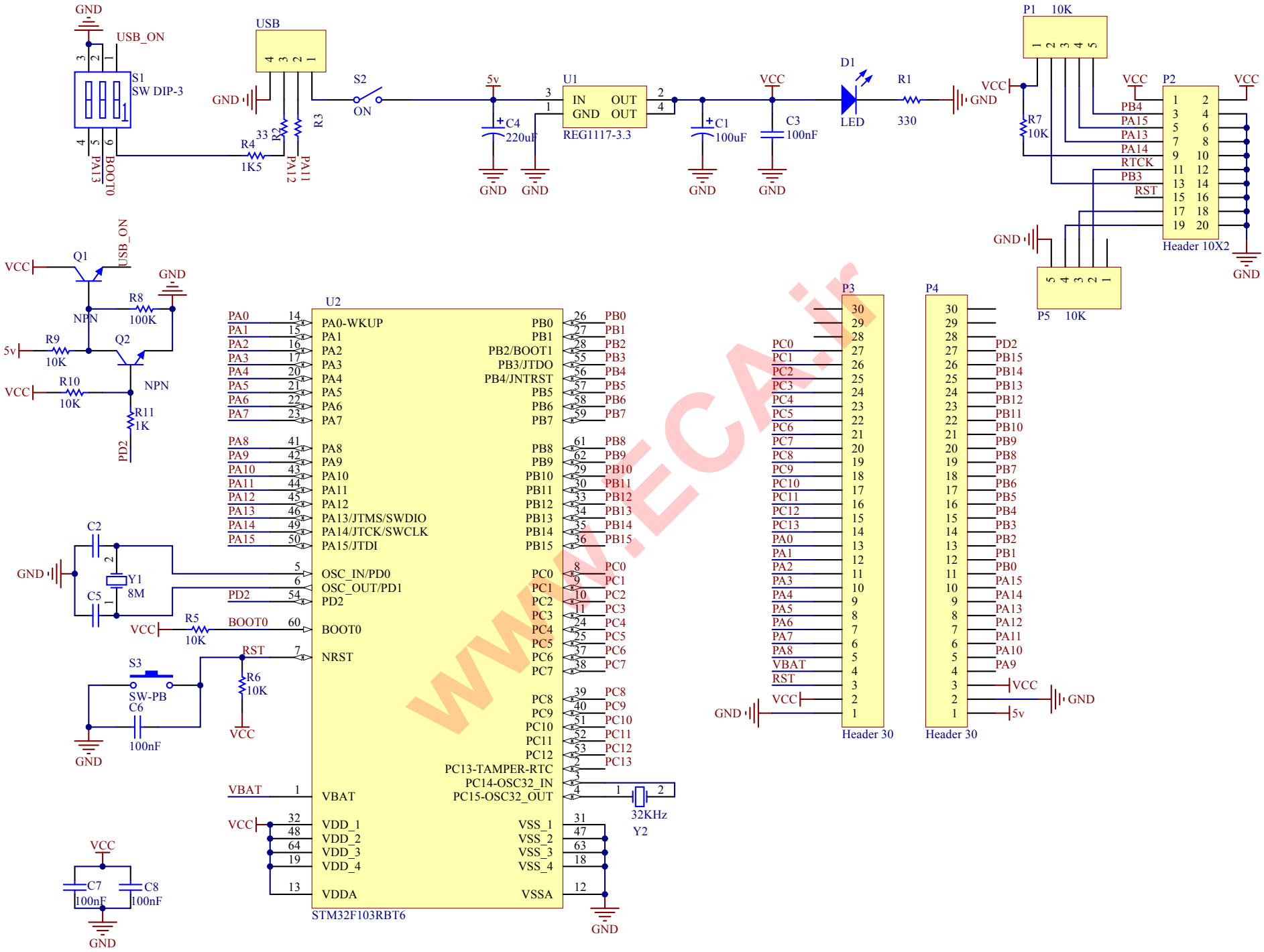

GND
USB_ON
S1
SW DIP-3
PA13
BOOT0
USB
R4
1K5
R2
33
R3
PA12
PA11
S2
ON
5v
C4
220uF
U1
IN
GND
OUT
OUT
REG1117-3.3
C1
100uF
VCC
C3
100nF
D1
LED
R1
330
P1
10K
R7
10K
P2
PB4
PA15
PA13
PA14
RTCK
PB3
RST
Header 10X2
P5
10K
Q1
NPN
R8
100K
R9
10K
Q2
R10
10K
R11
1K
PD2
U2
PA0-WKUP
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13/JTMS/SWDIO
PA14/JTCK/SWCLK
PA15/JTDI
OSC_IN/PD0
OSC_OUT/PD1
PD2
BOOT0
NRST
VBAT
VDD_1
VDD_2
VDD_3
VDD_4
VDDA
PB0
PB1
PB2/BOOT1
PB3/JTDO
PB4/JNTRST
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
PC10
PC11
PC12
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
VSS_1
VSS_2
VSS_3
VSS_4
VSSA
STM32F103RBT6
C2
Y1
8M
C5
R5
10K
S3
SW-PB
C6
100nF
R6
10K
32KHz
Y2
C7
100nF
C8
100nF
P3
Header 30
P4
Header 30
5v

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