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Size A4	Number	Revision
Date: 9.08.2021		Sheet of
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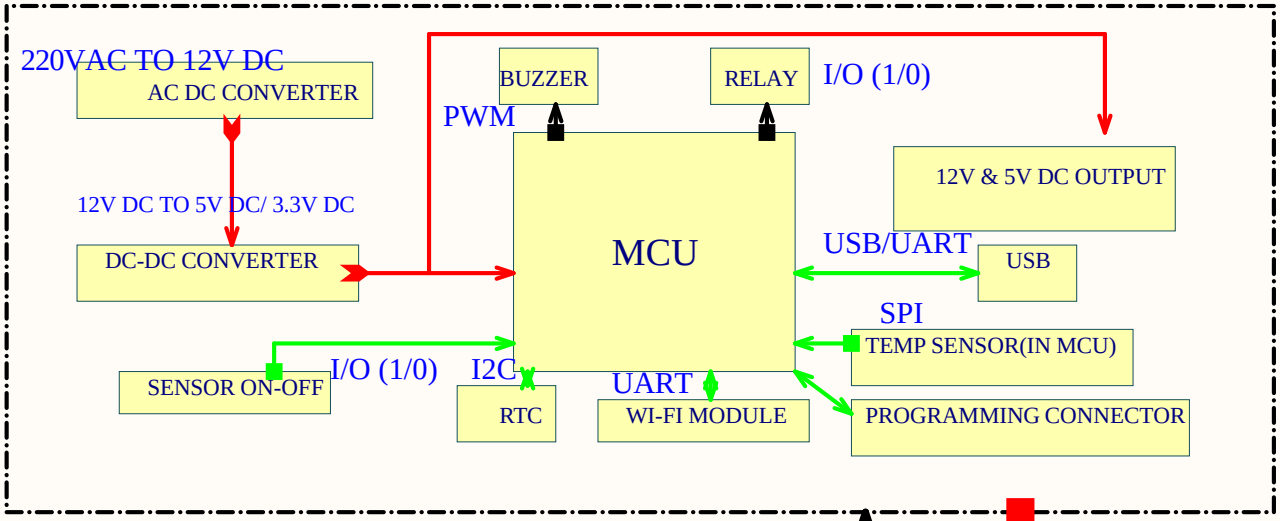
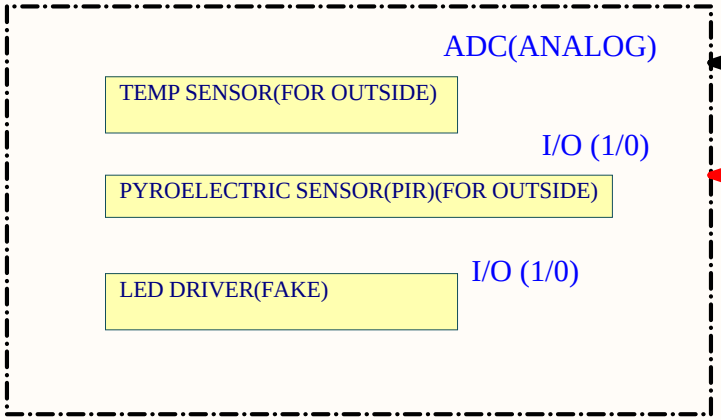
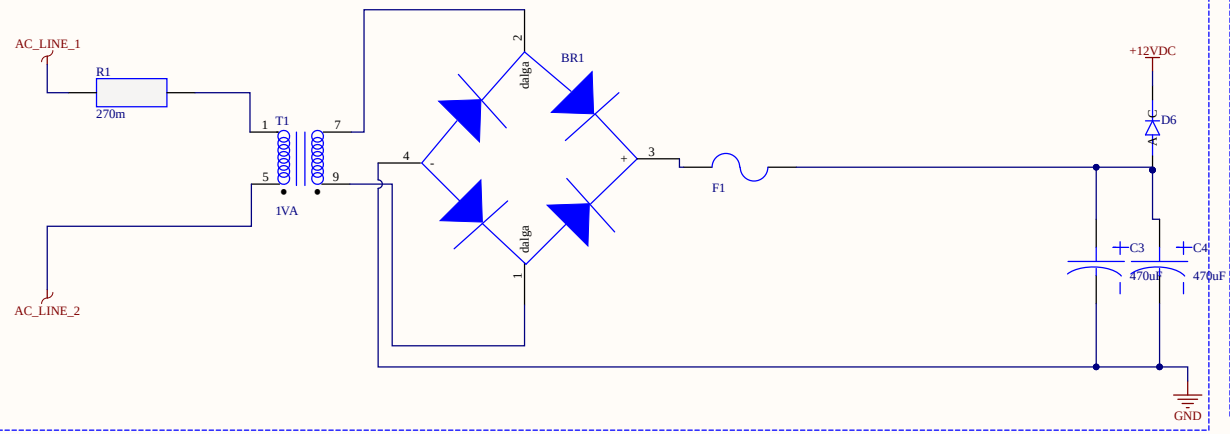


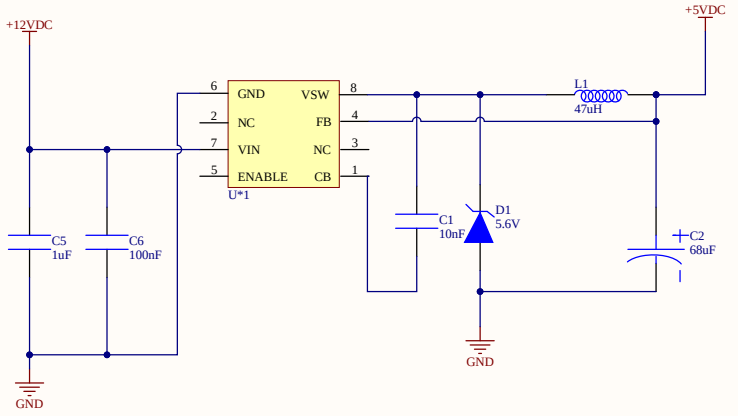


COMPONENTS:
RTC: M41T00
WIFI MODULE: ESP32-WROOM-32E(4MB)
PYRO SENSOR: LHI 878/3902
TEMPERATURE OUTSIDE: TFPT1206L1002FM
TEMPERATURE INSIDE:MAX6662MSA+
MCU:STM32F103C6T6A
RELAY:ALQ112
BUZZER:CMI-9605IC-0580T
SENSOR ON/OFF:EG1215AA
AC-DC CONVERTER:
TRAFO:BV302S12010-ZU
BRİDGE DİODES:DB105STR
DC-DC CONVERTER:5VDCLM2675MX-12/NOPB
3.3VDC:AP7361-33E-13
LED DRIVER MOSFET: SSM3K35R,LF

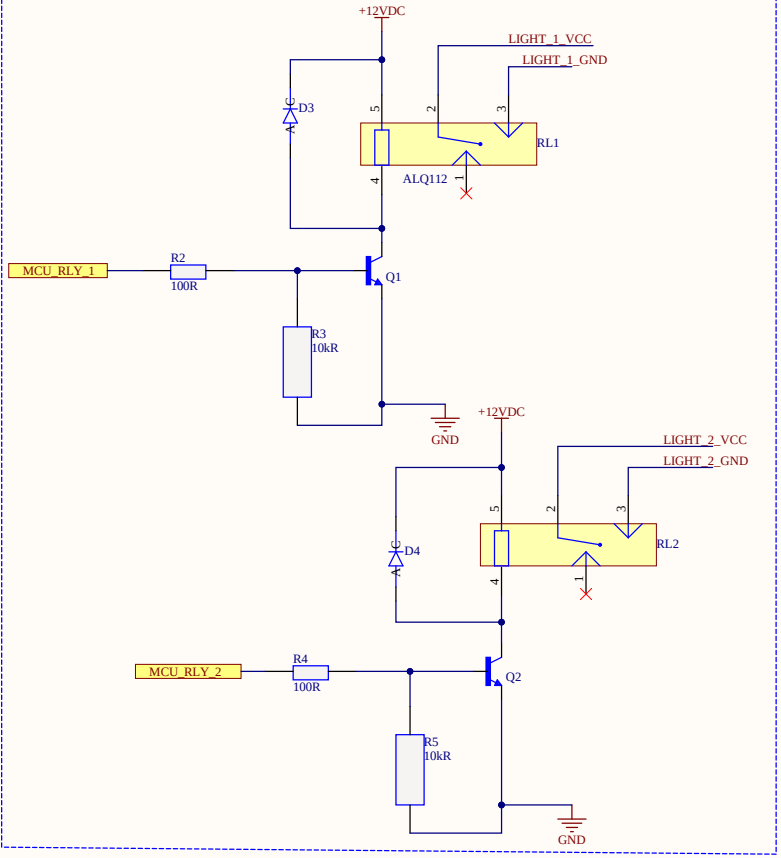
AC-DC CONVERTER



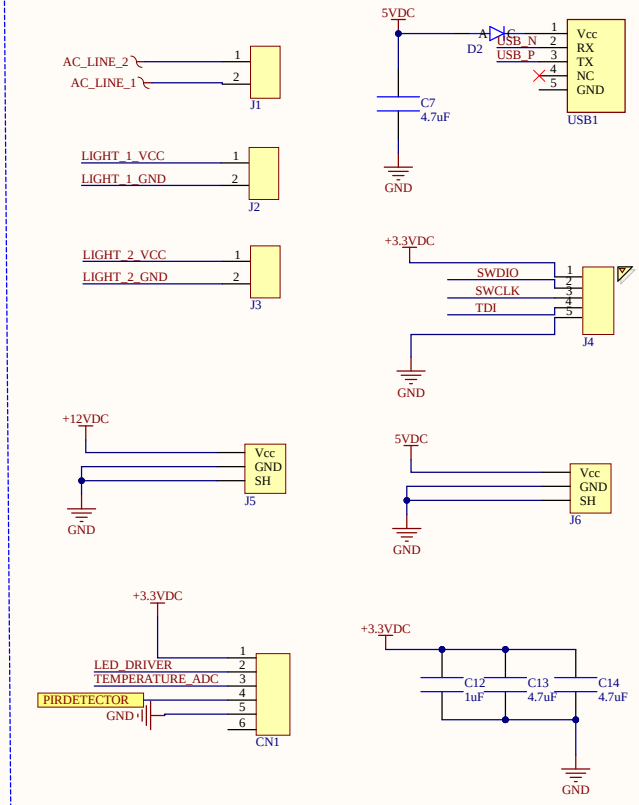
12VDC-5VDC CONVERTER



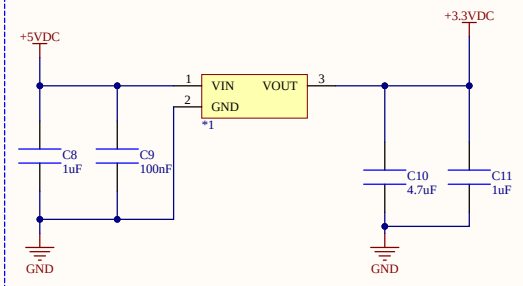
RELAY



CONNECTORS



5VDC-3.3VDC CONVERTER



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Size A3	Number	Revision
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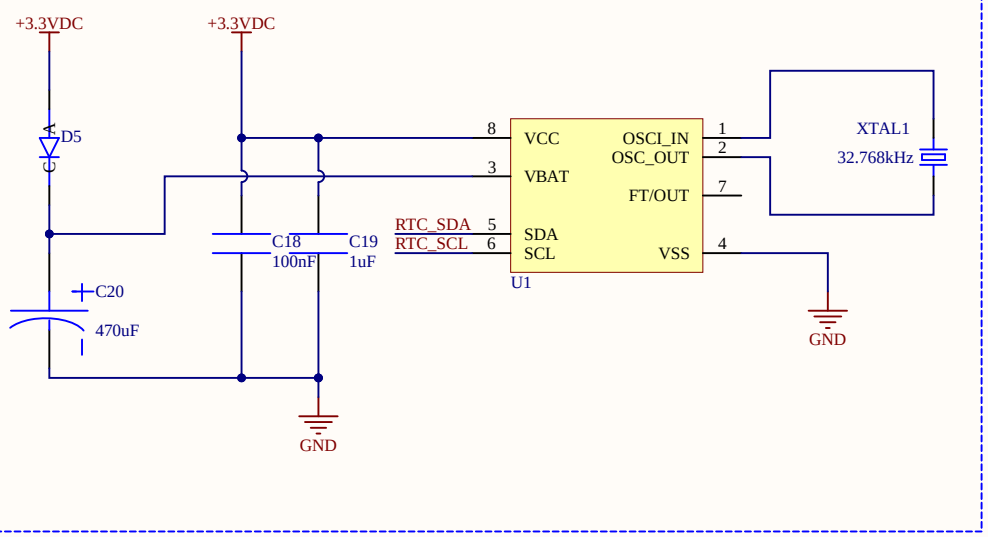
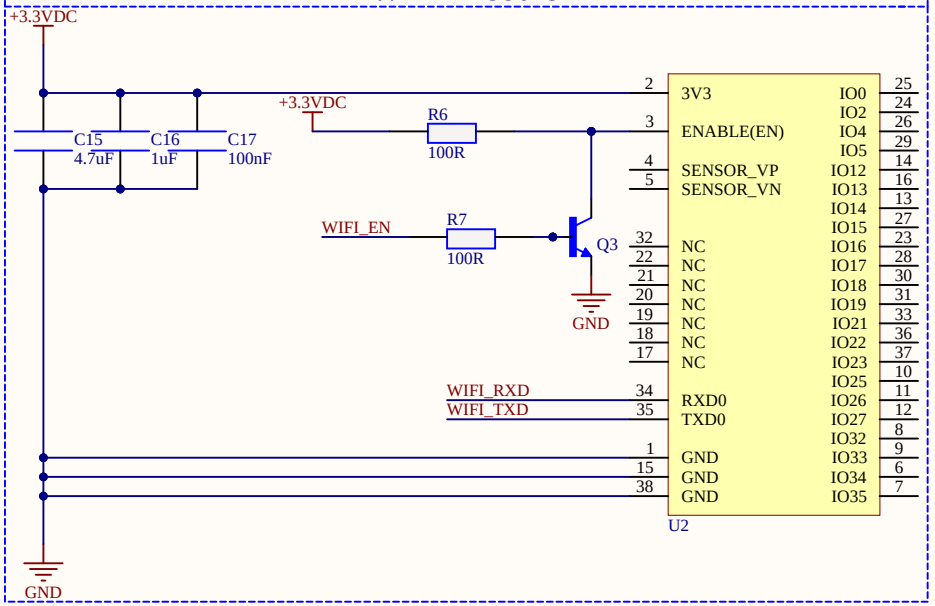
File: C:\Users\..\Power Management.SchDoc		Drawn By:

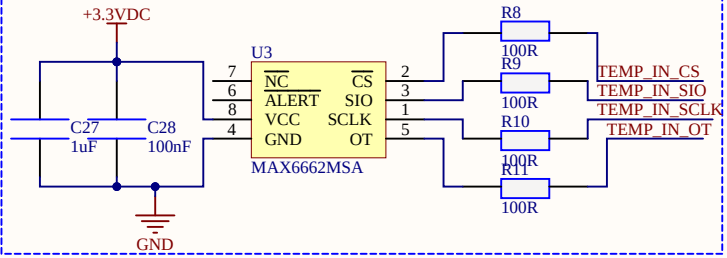
RTC



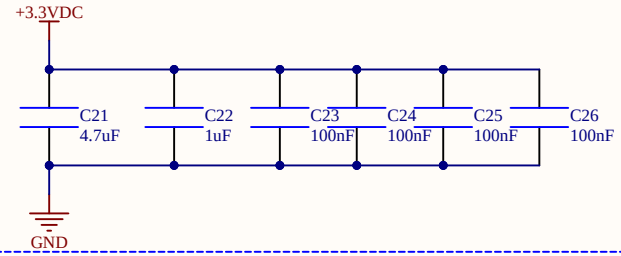
Wi-Fi Module



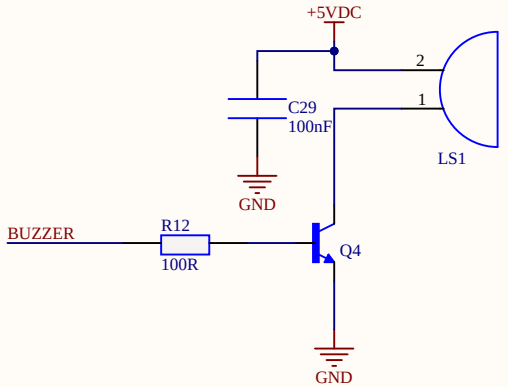
TEMPERATURE SENSOR



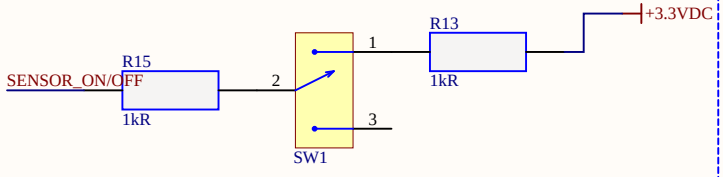
DECOUPLING CAPACITORS



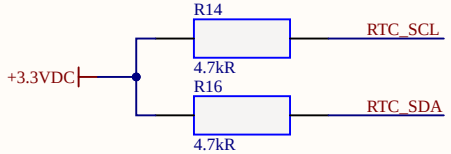
BUZZER



SENSOR ON/OFF



PULL-UP&PULL-DOWN



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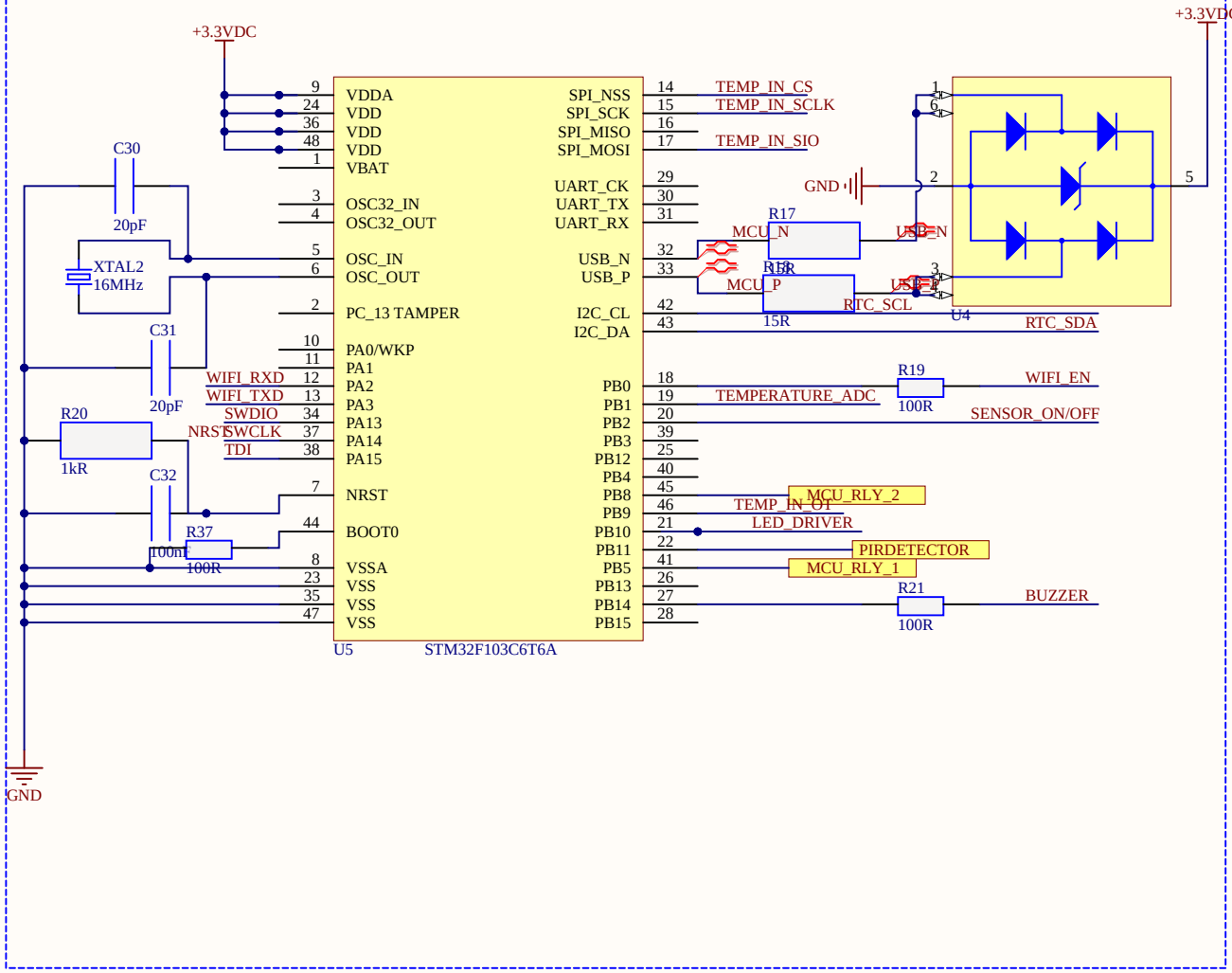
File: C:\Users\..\Connections.SchDoc		Drawn By:

MCU



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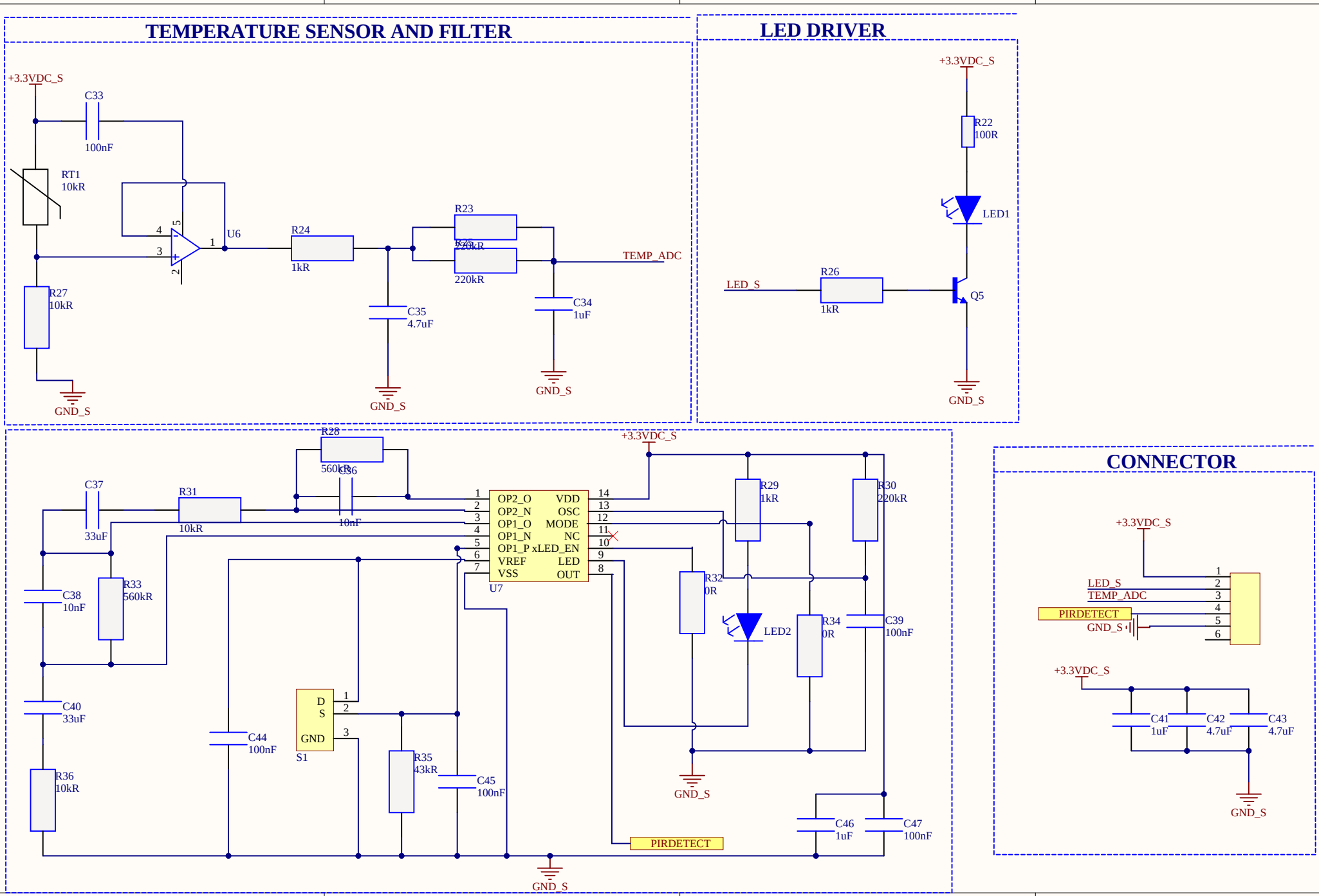
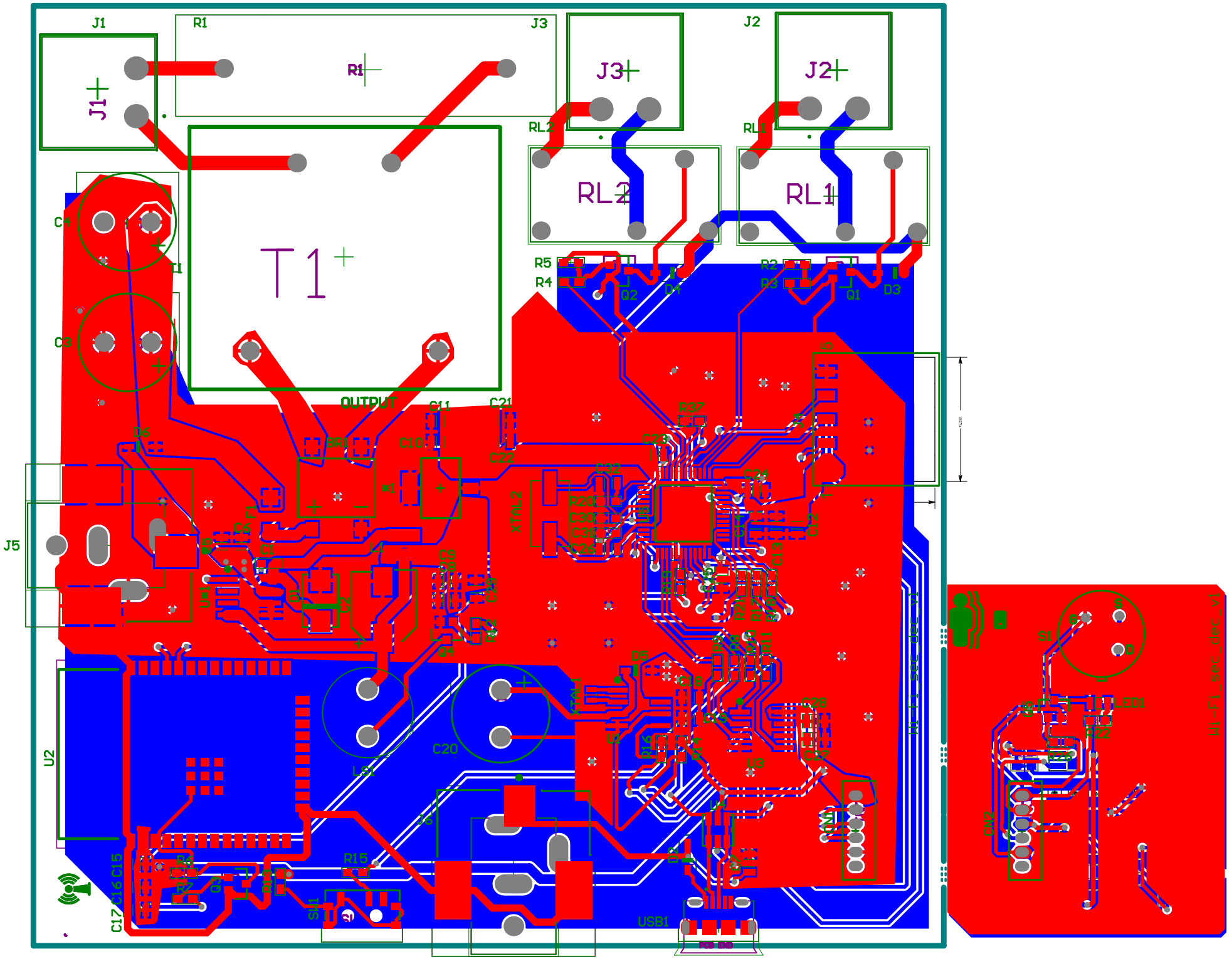

TEMPERATURE SENSOR AND FILTER
+3.3VDC_S
C33
100nF
RT1
10kR
U6
R24
1kR
R23
220kR
R27
10kR
C35
4.7uF
C34
1uF
TEMP_ADC
GND_S
LED DRIVER
+3.3VDC_S
R22
100R
LED1
LED_S
R26
1kR
Q5
GND_S
R28
560kR
C36
10nF
C37
33uF
R31
10kR
OP2_O
OP2_N
OP1_O
OP1_N
OP1_P
VREF
VSS
VDD
OSC
MODE
NC
xLED_EN
LED
OUT
U7
R29
1kR
R30
220kR
R32
0R
LED2
R34
0R
C39
100nF
C38
10nF
R33
560kR
C40
33uF
R36
10kR
C44
100nF
D
S
GND
S1
R35
43kR
C45
100nF
PIRDETECT
C46
1uF
C47
100nF
CONNECTOR
LED_S
TEMP_ADC
PIRDETECT
GND_S
C41
1uF
C42
4.7uF
C43
4.7uF


J1
R1
J3
J2
RL2
RL1
T1
C4
C3
OUTPUT
C11
C21
C10
C22
C23
C24
R37
R5
R4
Q2
Q1
D4
D3
J5
L2
L1
C20
U2
U3
R15
USB1
S1
LED1
J4
J6
J7
J8
J9
J10
J11
J12
J13
J14
J15
J16
J17
J18
J19
J20
J21
J22
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J44
J45