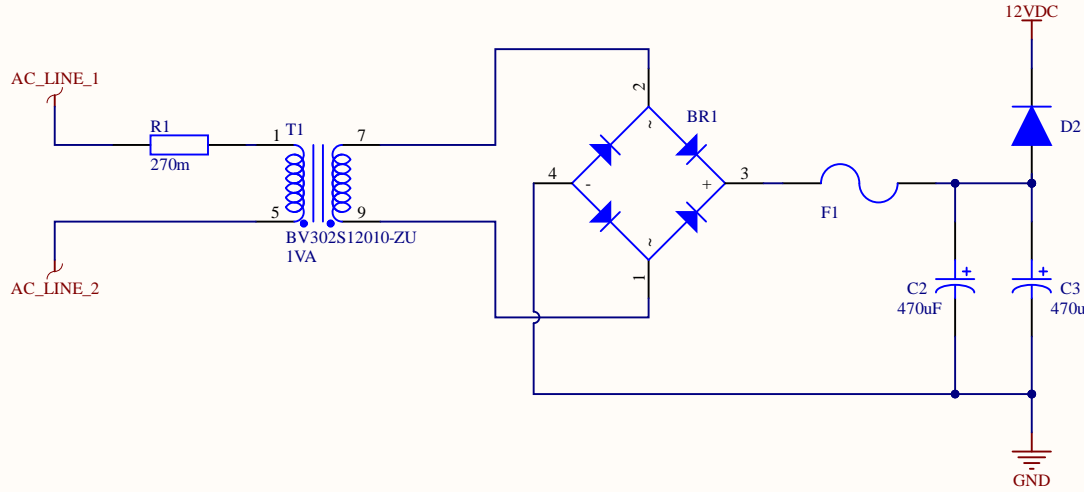
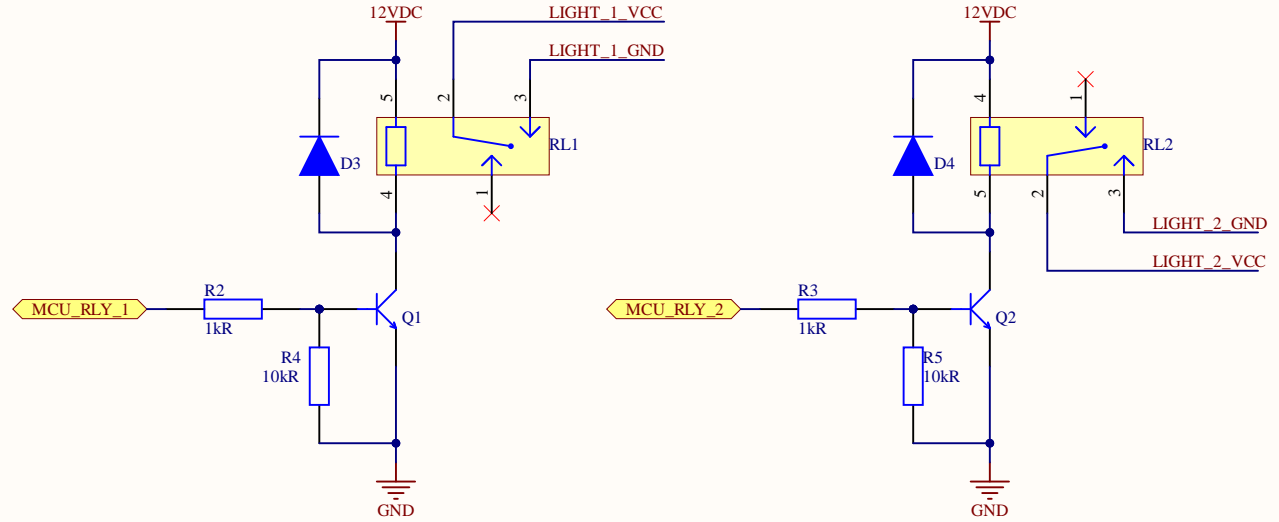


|   |  |   |                    |                        |
|---|--|---|--------------------|------------------------|
| DOSYA ADI / FILE NAME<br>Block Diagram.SchDoc |  | TANIM / DESCRIPTION<br>Wireless Security Detector |                    |                        |
| Aslı Kurt                                     |  | HAZIRLAYAN / PREPARED BY<br>Aslı Kurt             |                    |                        |
|   |  | YAYIN TARİHİ / REL. DATE<br>02.10.2024            | BOYUT / SIZE<br>A3 | SAYFA / SHEET<br>2 / 5 |

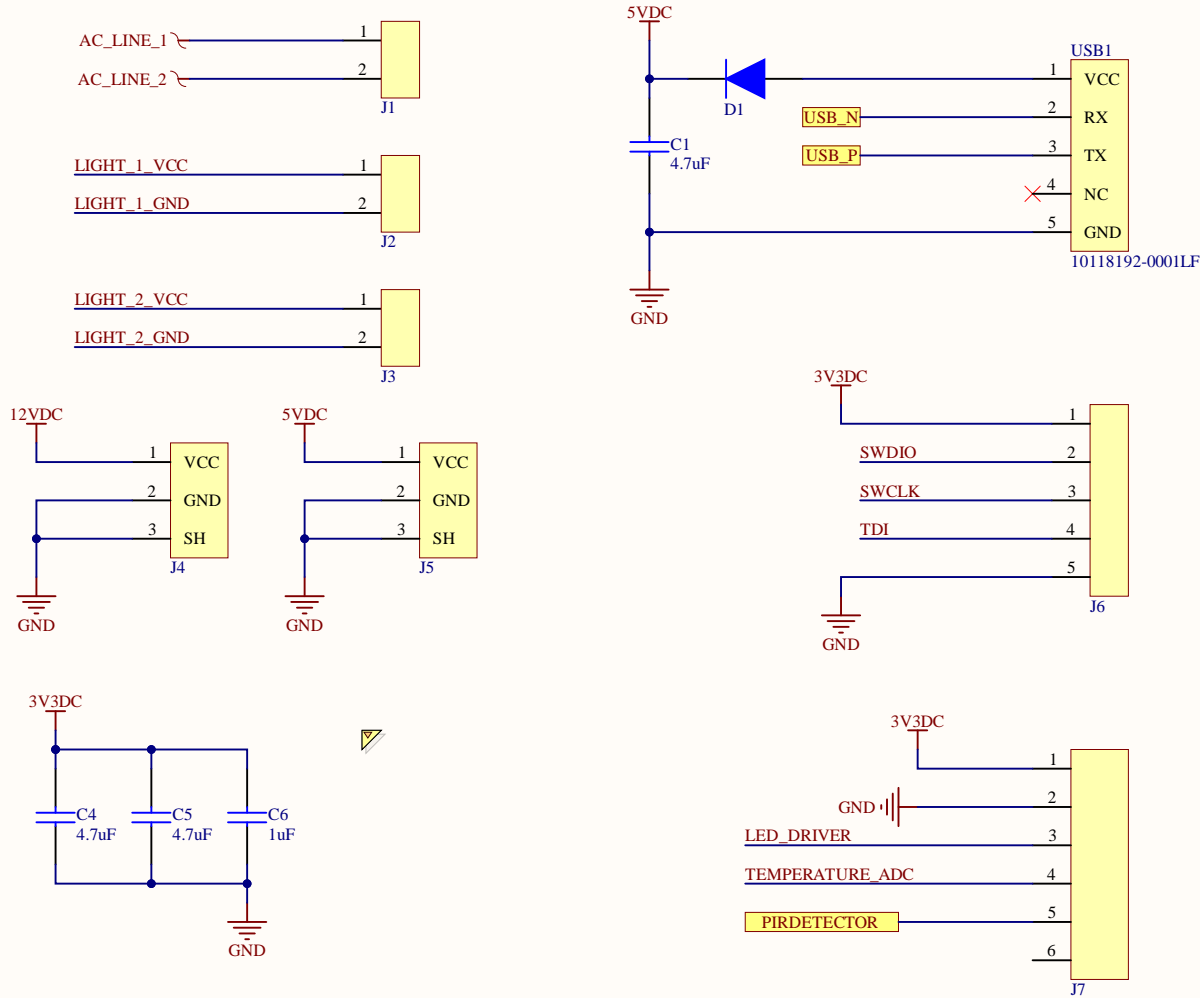
## AC-DC CONVERTER



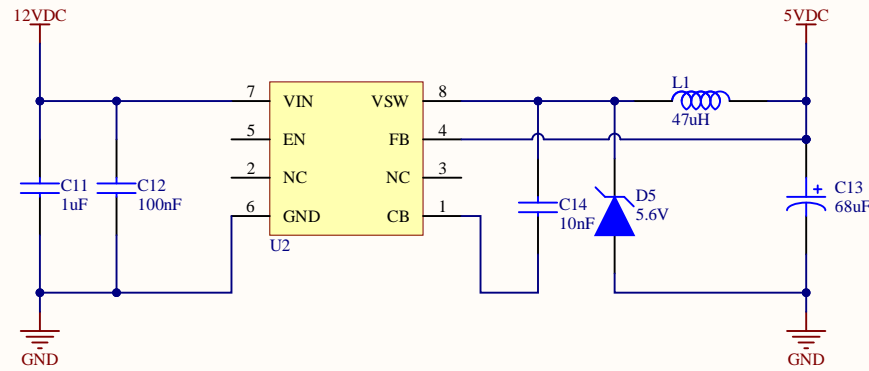
## RELAY



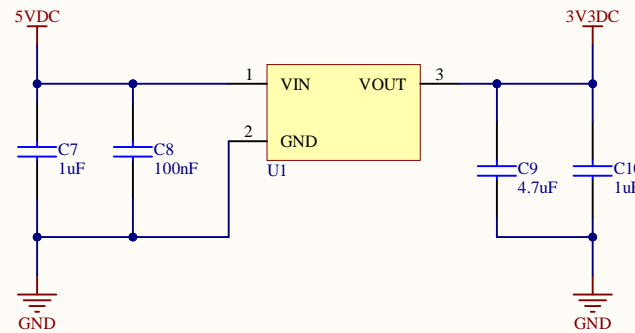
## CONNECTORS



## [12VDC-5VDC] DC-DC CONVERTER



## [5VDC-3.3VDC] DC-DC CONVERTER



12VDC --> 12V DC  
5VDC --> 5V DC  
3V3DC --> 3.3V DC  
3V3DC\_S --> 3.3V DC ON SENSOR BOARD  
ACLIN --> 220V AC 50Hz

DOSYA ADI / FILE NAME  
Power Management.SchDoc

TANIM / DESCRIPTION  
Wireless Security Detector

Aslı Kurt

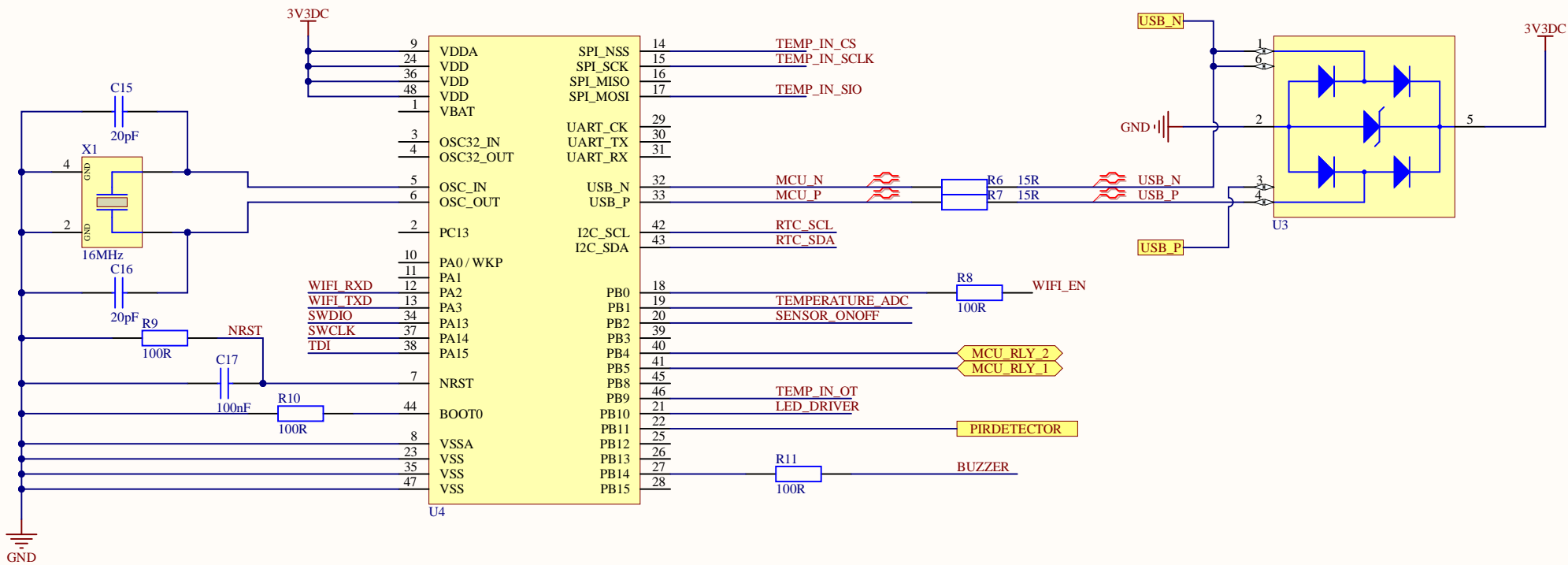
HAZIRLAYAN / PREPARED BY  
Aslı Kurt

YAYIN TARİHİ / REL. DATE  
02.10.2024

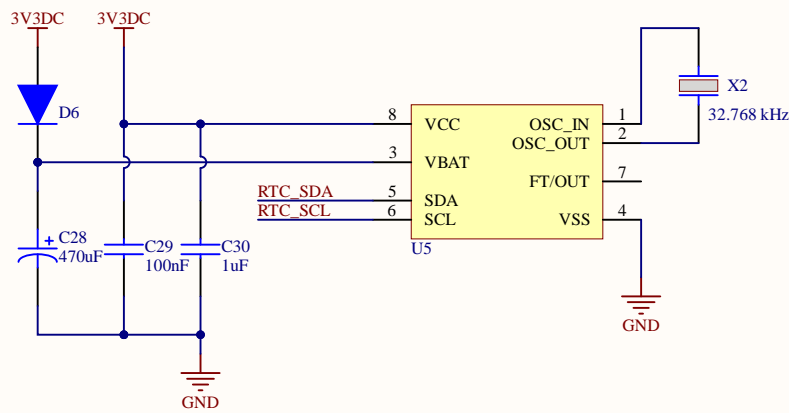
BOYUT / SIZE  
A3

SAYFA / SHEET  
3 / 5

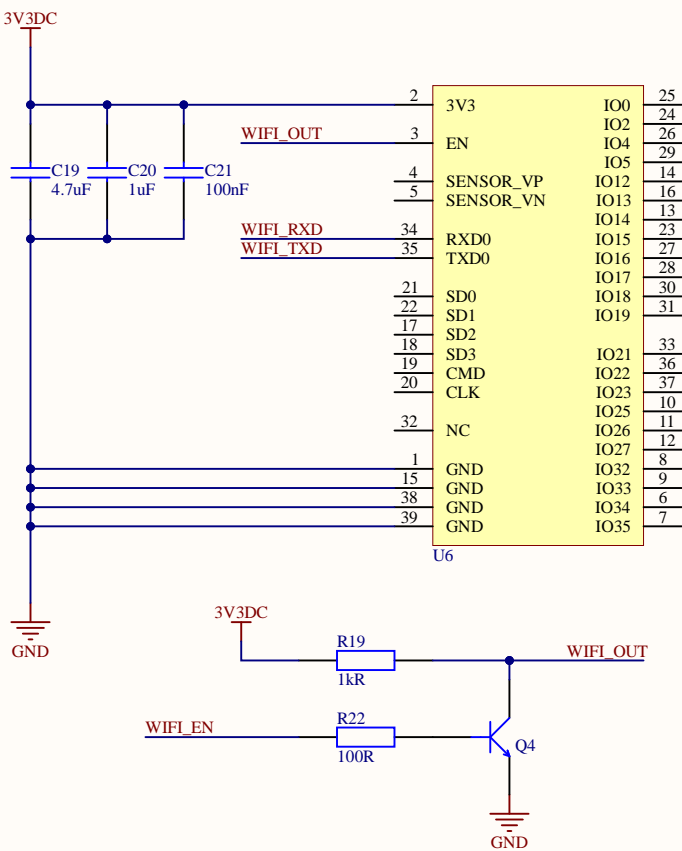
MICROCONTROLLER



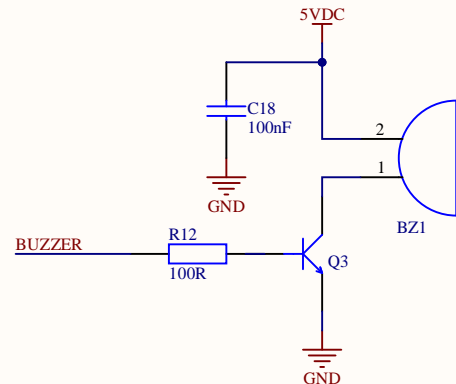
RTC



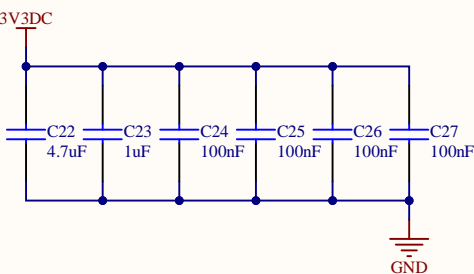
WI-FI MODULE



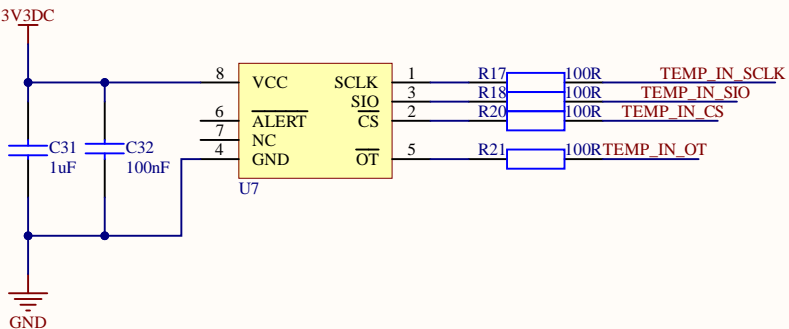
BUZZER



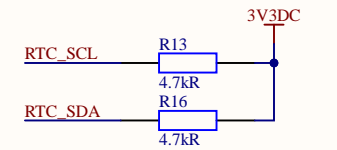
DECOUPLING CAPACITORS



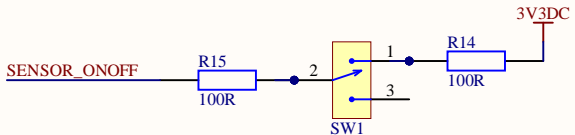
TEMPERATURE SENSOR



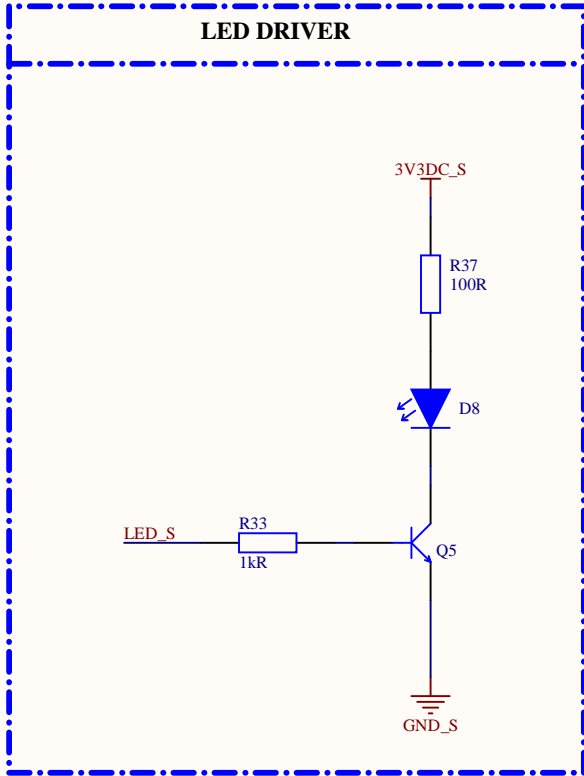
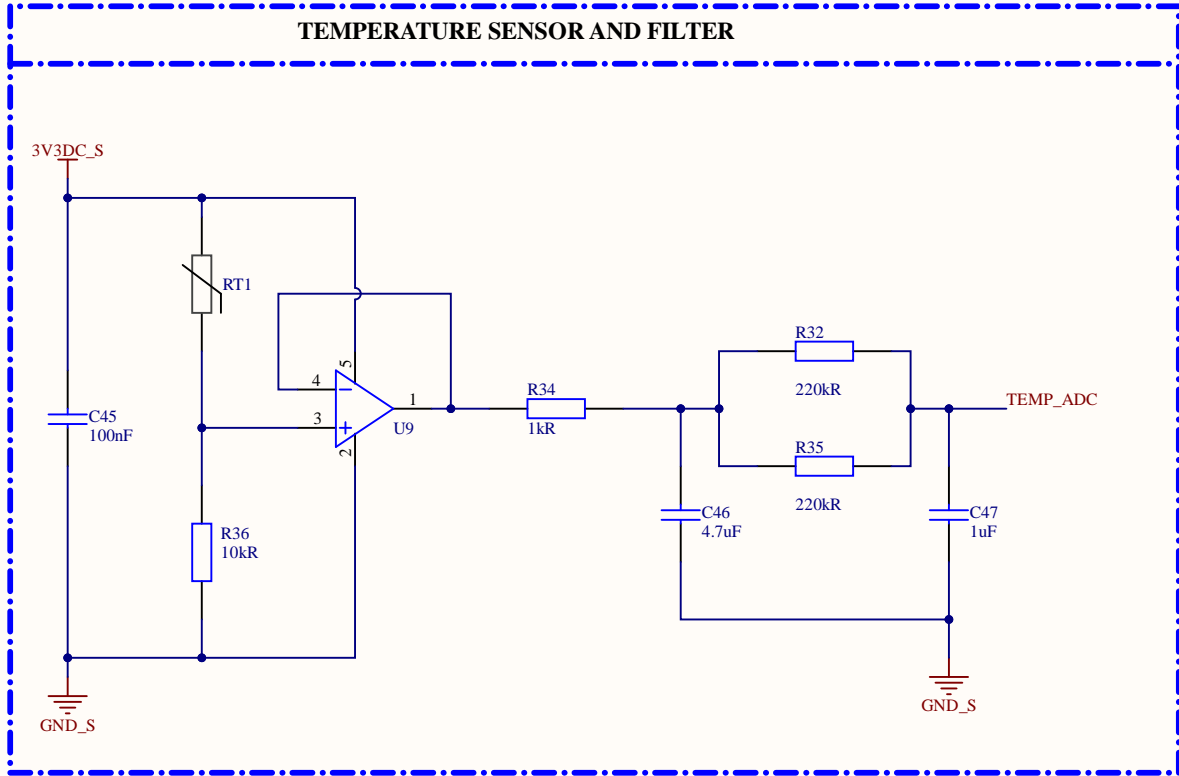
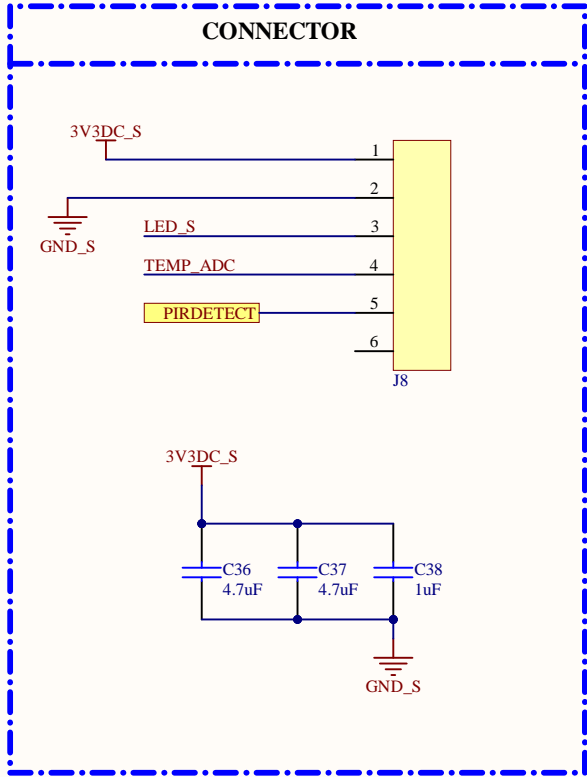
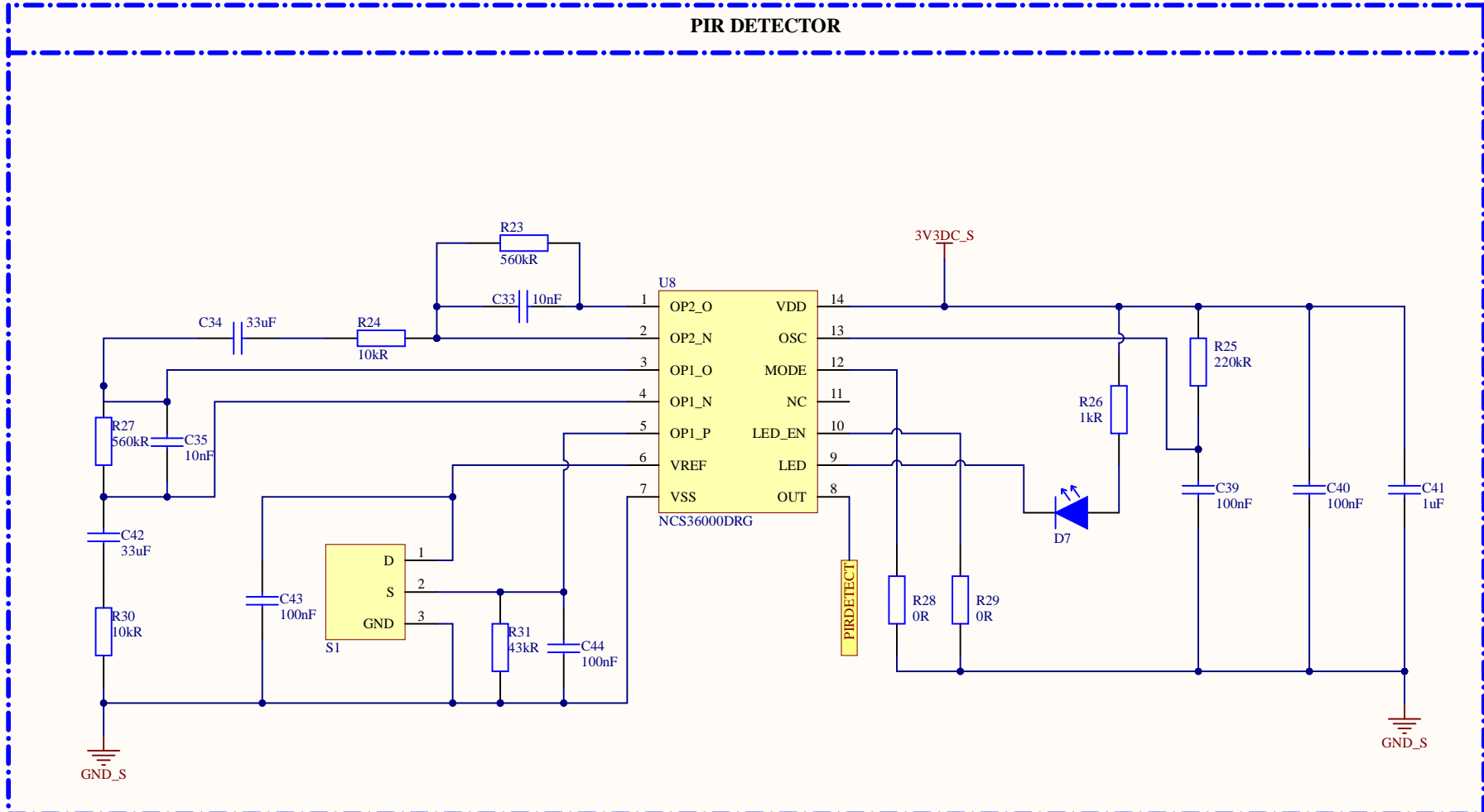
PULL-UP&PULL-DOWN RES.



SENSOR ON/OFF



|   |  |   |  |
|---|--|---|--|
| DOSYA ADI / FILE NAME<br>Microcontroller.SchDoc |  | TANIM / DESCRIPTION<br>Wireless Security Detector |  |
| Aslı Kurt                                       |  | HAZIRLAYAN / PREPARED BY<br>Aslı Kurt             |  |
|   |  | YAYIN TARİHİ / REL. DATE<br>02.10.2024            | BOYUT / SIZE<br>A3<br>SAYFA / SHEET<br>4 / 5 |



|   |  |   |  |
|---|--|---|--|
| DOSYA ADI / FILE NAME<br>SensorBoard.SchDoc |  | TANIM / DESCRIPTION<br>Wireless Security Detector |  |
| Aslı Kurt                                   |  | HAZIRLAYAN / PREPARED BY<br>Aslı Kurt             |  |
|   |  | YAYIN TARİHİ / REL. DATE<br>02.10.2024            | BOYUT / SIZE<br>A3<br>SAYFA / SHEET<br>5 / 5 |