

- Component:
- RTC MK1T00M6F
  - WFI Module ESP32-WROOM32e,
  - PYRO Sensor LHI 878/3902,
  - CPU STM32F103C6T6A
  - Relay ALQ112
  - Buzzer CMI-96051C-0580T
  - Switch EG1215AA
  - Temperature Sensor Max6662MSA+
  - Thermistor TFPT1206L1002FM
  - OP-AMP OPA314
  - Led Driver Trans SSM3K357R,LF

- Power Component:
- Transformer BV302S12010
  - Bridge Diode DB105STR
  - Converter LM2675MX-12/12VDC-5VDC AP7361 - 33E - 13
  - Fuse 3413.021622

- AC to DC Converter
- Cap 470uF
  - Res 5W D27
  - Transfromer 1VA
  - Bridge Rect 1 Phase 600V
  - Fulse 63V - 1A

- 12VDC to 5VDC Converter
- Cap 1uF
  - Cap 10nF
  - Cap 68uF
  - Ind 47uH
  - Diode Zener Single 5.6V
  - LM2675MX/12DC-5DC

- 5VDC to VDC Converter
- Cap 1uF
  - Cap 100nF
  - Cap 4.7uF
  - AP7361 - 33E - 13

- Led Driver
- Res 100Ohm
  - Res 1kOhm
  - TRANS NPN 40V 0.2A /MMBT3904
  - Led TFPT1206L1002FM

- Sensor On/Of
- Res 100Ohm
  - Side Switch EG1215AA

- Relay Driver
- Res 10kOhm
  - Diode 1N4148WS
  - TRANS NPN 40V 0.2A /MMBT3904
  - Relay ALQ112

- TEMPERATUTE SENSOR
- PYROELECTRIC SENSOR
- LED DRIVER CIRCUIT

- Buzzer 96051C-0580T
- Res 100Ohm
  - Cap 100nF
  - Buzzer Indicator CMI-

- RTC Module M41T00M6F
- Cap 470uF
  - Cap 1uF
  - Cap 100nF
  - Crystal 32.768kHz
  - Diode 1N4148WS

- WIFI Module ESP32-WROOM32
- Cap 1uF
  - Cap 100nF
  - Cap 4.7uF
  - Res 100Ohm
  - Trans MMBT3904-7-F

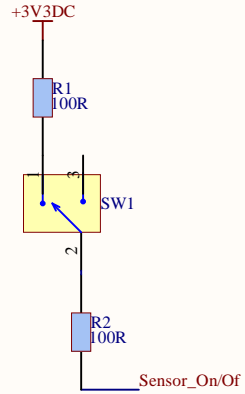
- CPU (STM32F103CT6A)
- Cap 100nF
  - Cap 4.7uF
  - Cap 1uF
  - Cap 20pF
  - Res 100 Ohm
  - Res 15 Ohm
  - Res 4.7 kOhm
  - Crystal 16MHz

- Thermistor TFPT1206L1002FM
- Cap 1uF
  - Cap 4.7uF
  - Cap 100nF
  - Res 1kOhm
  - Res 10kOhm
  - Res 220kOhm
  - OpAmp OPA314

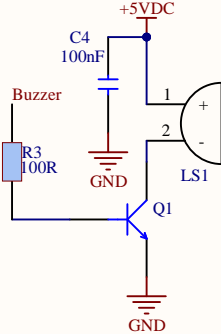
- Temperature Sensor Max6662MSA+
- Cap 1uF
  - Cap 100nF
  - Res 100Ohm
  - Crystal 32.768kHz

- PIR Detector NCS36000DRG
- Cap 10nF
  - Cap 1nF
  - Cap 33nF
  - Cap 100nF
  - Cap 4.7uF
  - Res 0Ohm
  - Res 1kOhm
  - Res 10kOhm
  - Res 220kOhm
  - Res 43kOhm
  - Res 560kOHM
  - Led LTST-C171GKT
  - Sensor PIR LHI

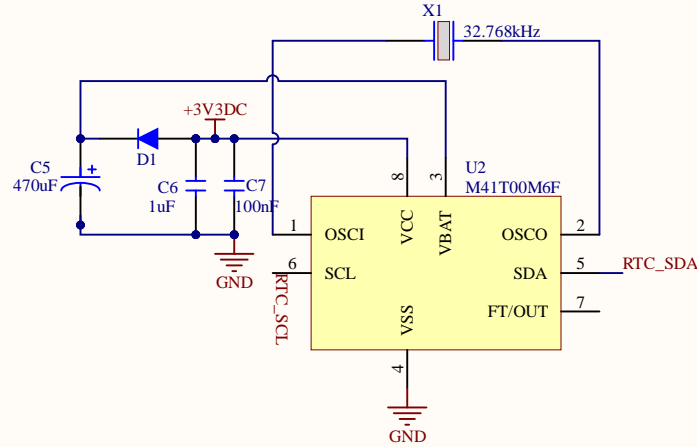
## SENSOR ON OF



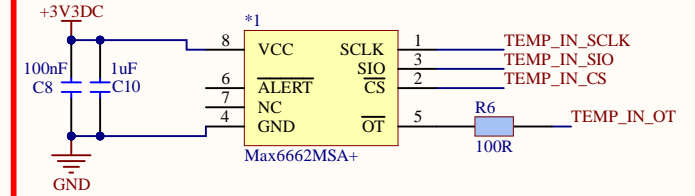
## BUZZER



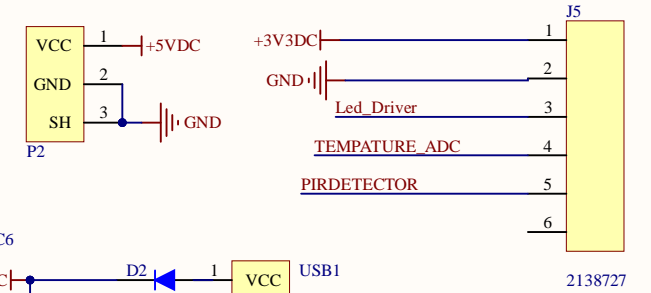
## RTC



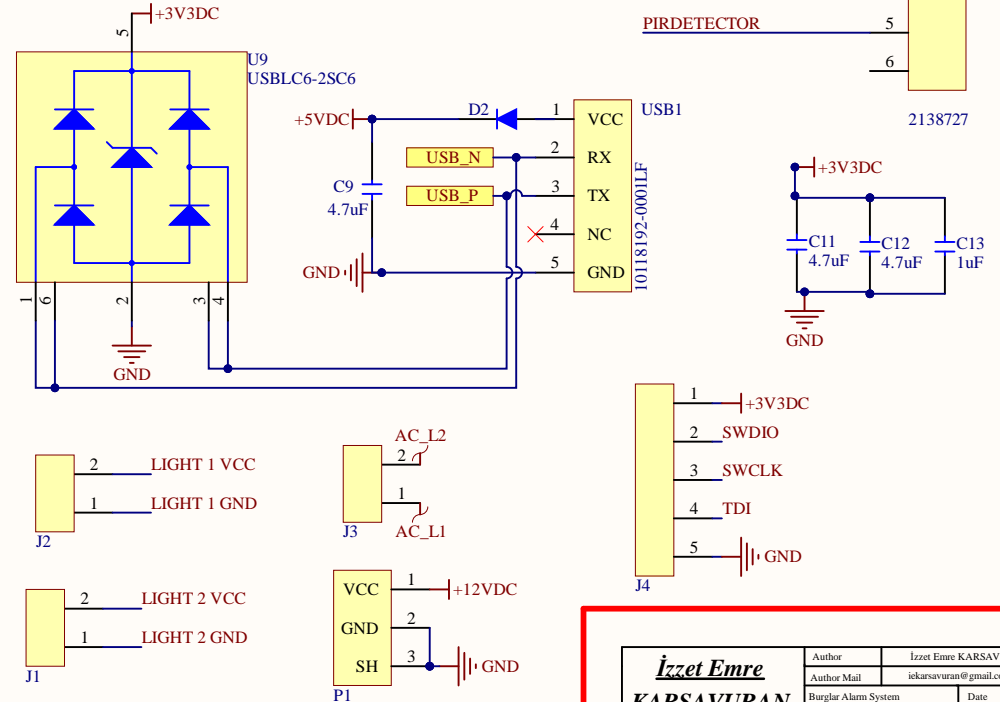
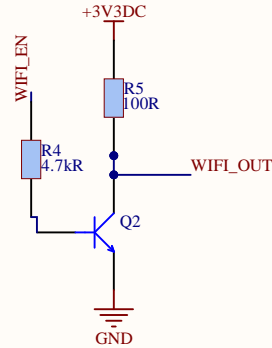
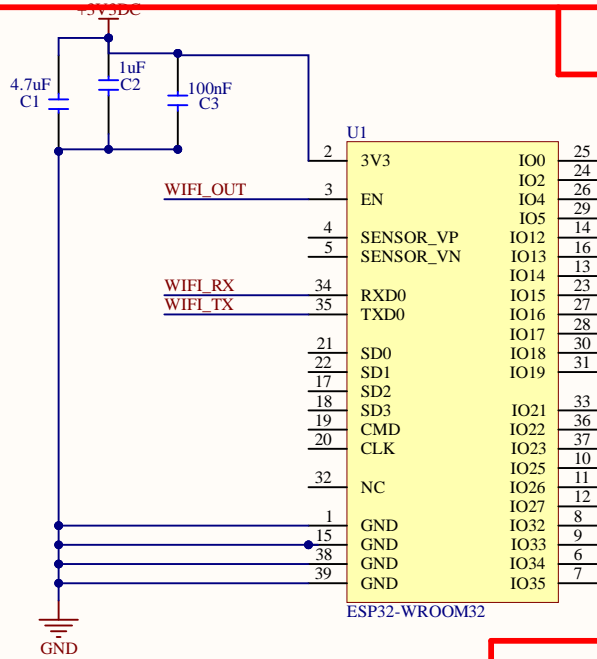
## TEMPERATURE SENSOR



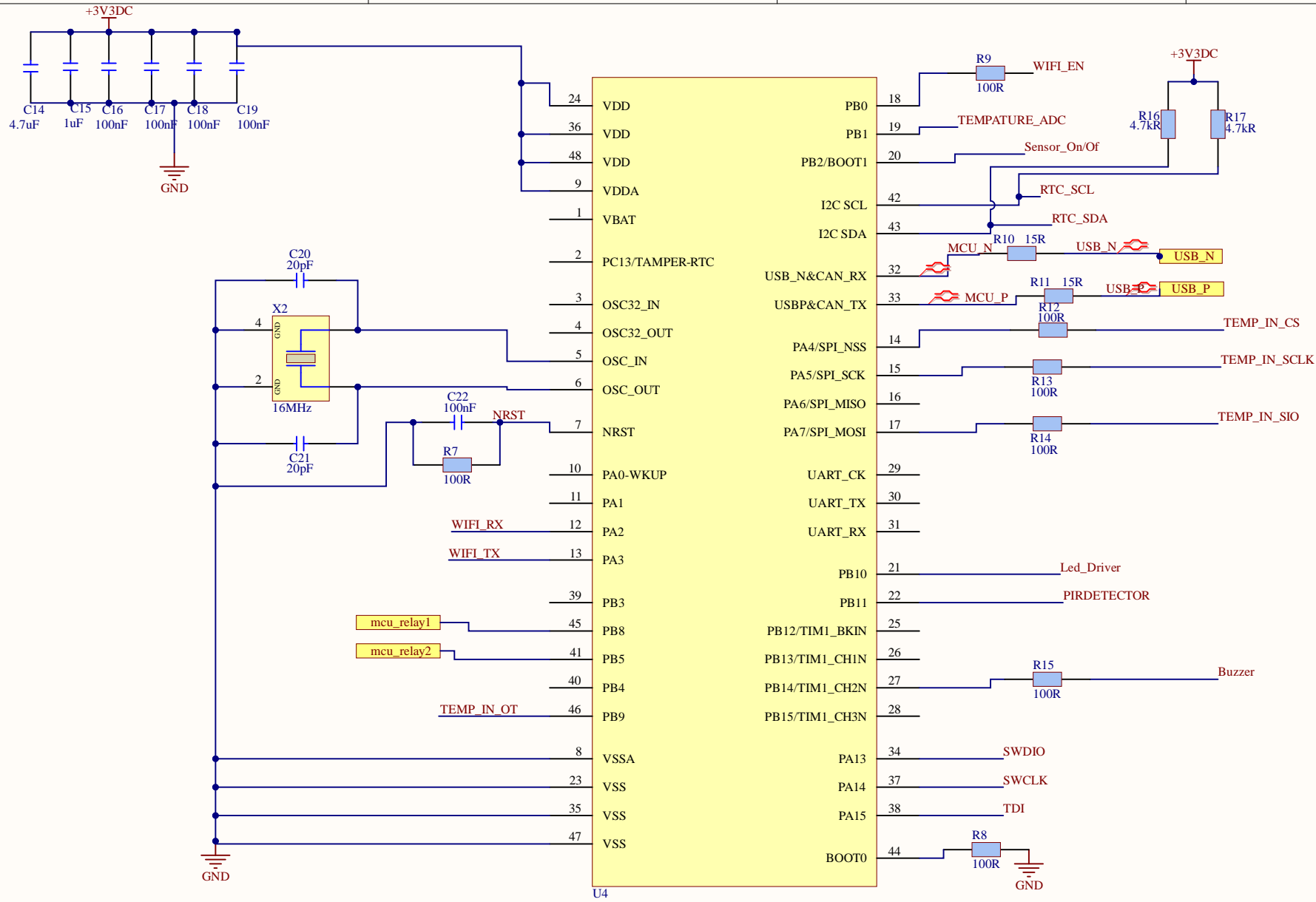
## CONNECTOR



## ESP32 WIFI MODULE

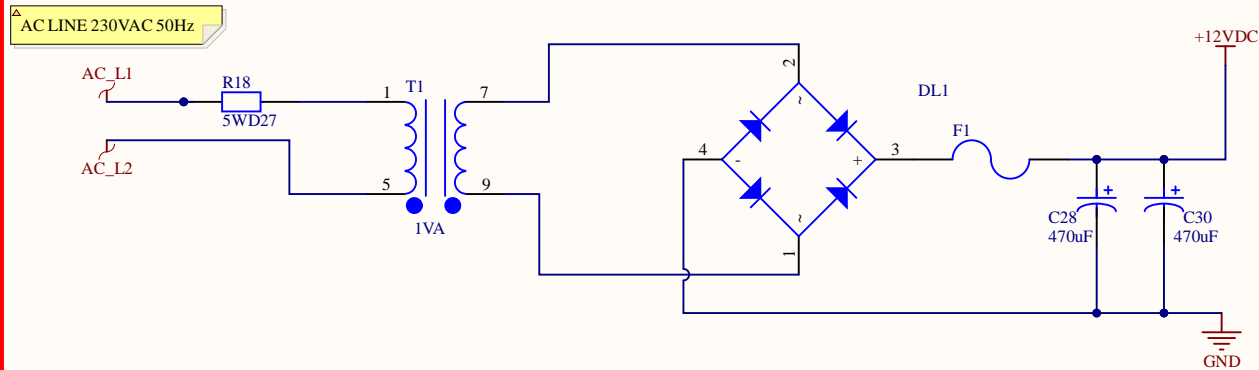


<b>İzzet Emre KARSAYURAN</b>		Author	İzzet Emre KARSAYURAN
Burglar Alarm System		Author Mail	iekarsavuran@gmail.com
Other_Component.SchDoc		Date	14.09.2021
Elektronik Elektronik Mühendisi		Revision	1
		Size	A3

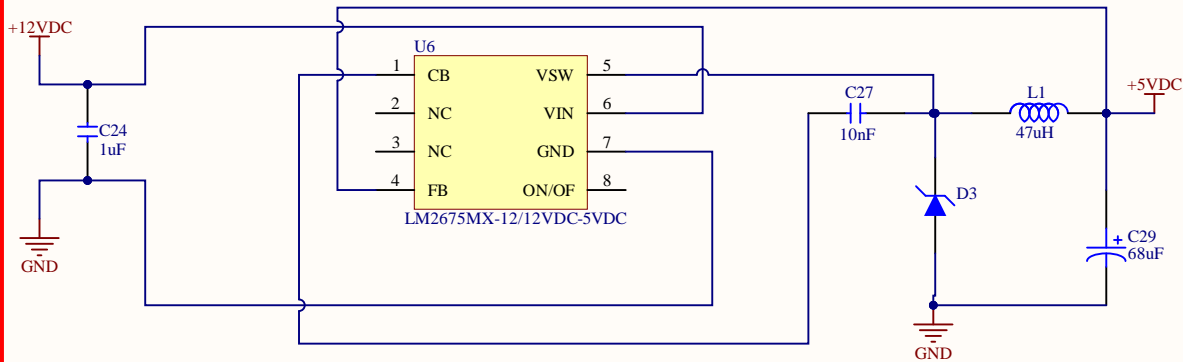


<b>İzzet Emre</b> <b>KARSAVURAN</b> Elektrik Elektronik Mühendisi	Author	İzzet Emre KARSAVURAN	
	Author Mail	iekarsavuran@gmail.com	
	Burglar Alarm System	Date	14.09.2021
	Microcontroller SchDoc	Revision	1
		Size	A3

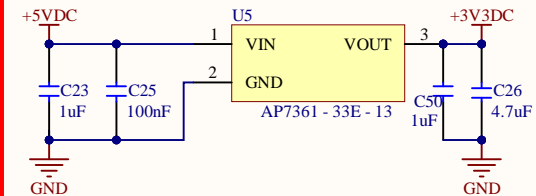
## AC TO DC CONVERTER



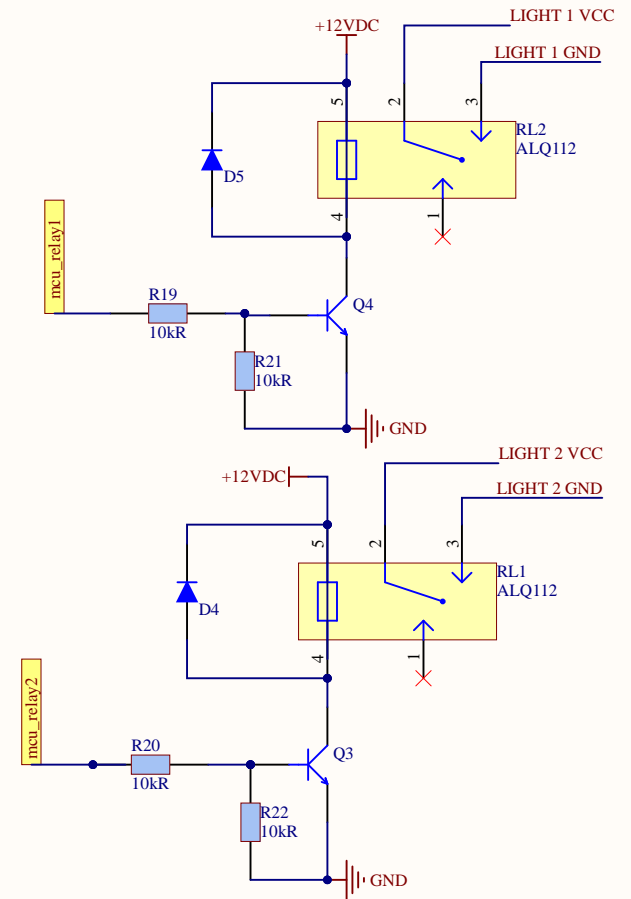
## 12VDC TO 5VDC CONVERTER



## 5VDC TO 3V3DC REGULATOR

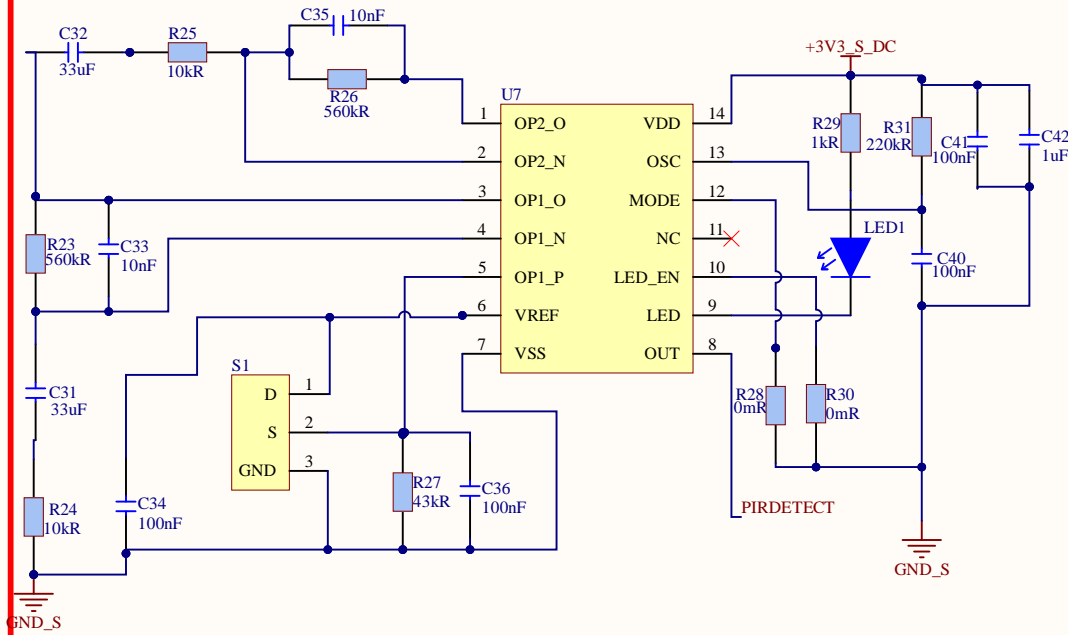


## RELAY DRIVER

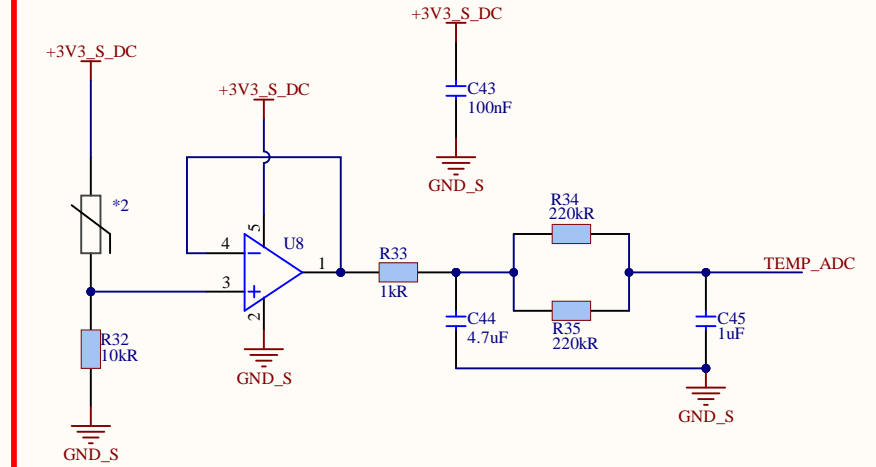


<b>İzzet Emre</b> <b>KARSAVURAN</b> Elektrik Elektronik Mühendisi	Author	*
	Author Mail	*
	Date	*
	Revision	*
	Size	*

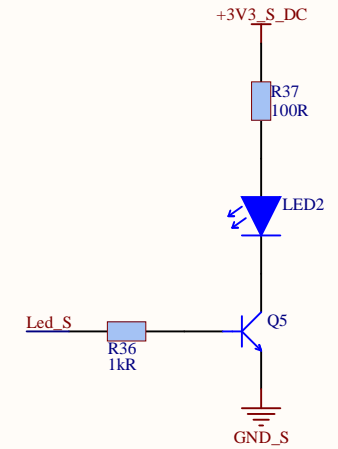
## PIR DETECTOR



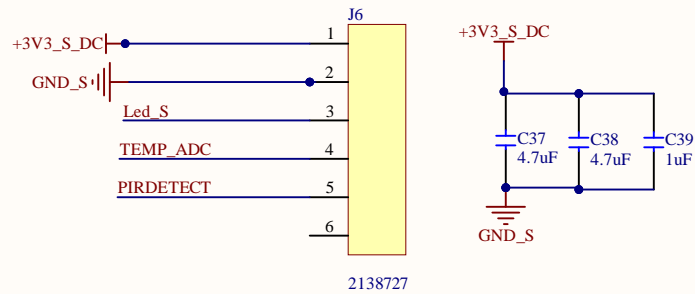
## TEMPATURE SENSOR AND FILTER



## LED DRIVER



## CONNECTOR



<b>İzzet Emre</b> <b>KARSAVURAN</b> Elektrik Elektronik Mühendisi	Author	*
	Author Mail	*
	Date	*
	Revision	*
Sensor_Board.SchDoc		Size



# Board Stack Report