

#### HABERLEŞME PROTOKOLLERİ SENKRON VE ASENKRON

UART  
USART  
i2C  
SPI

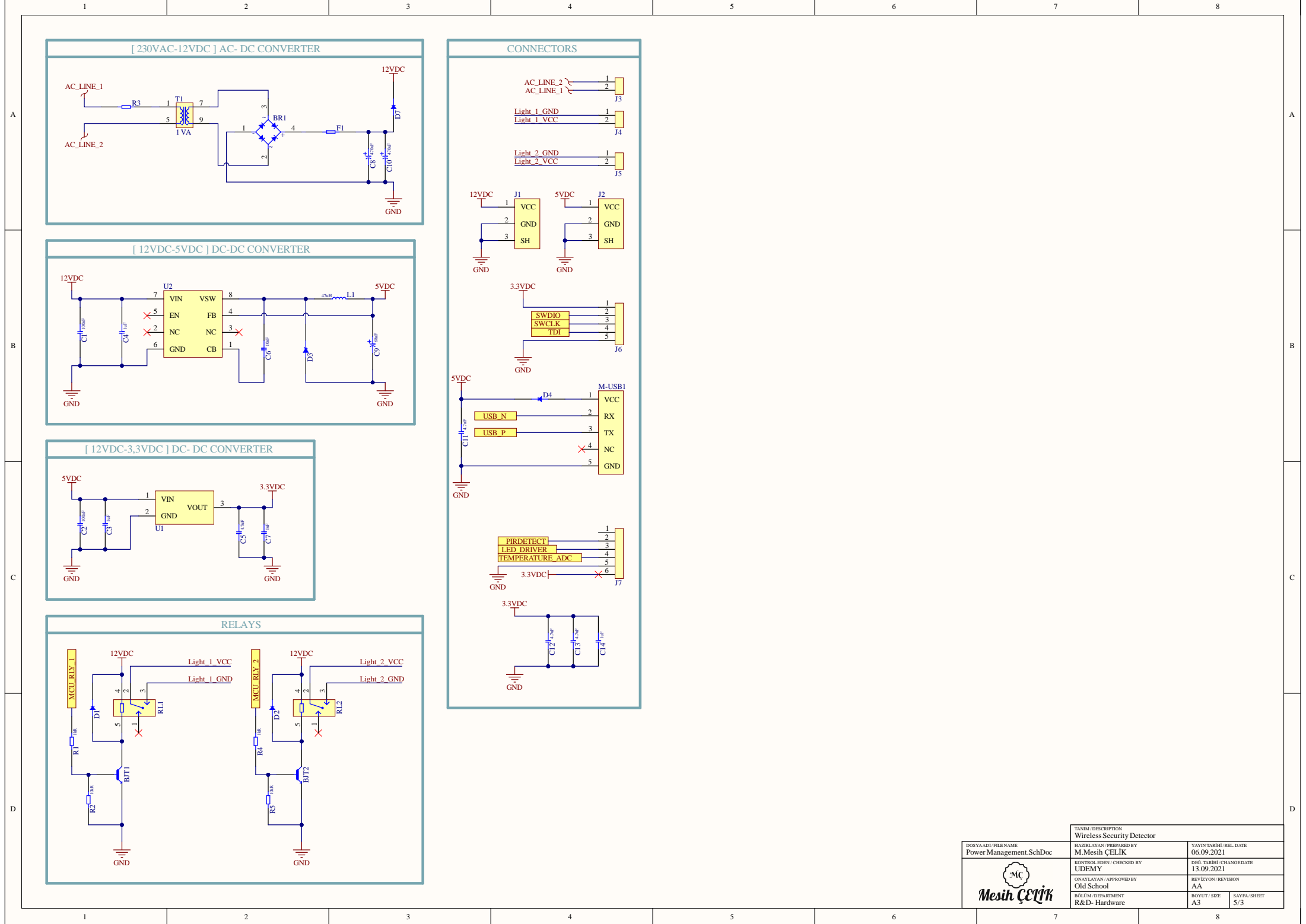
#### KOMPONENTLER :

RTC : M41T0M6F  
WIFI MODULE: ESP32-WROOM-32U (8MB)  
PYRO SENSOR: LHI 878/3902  
TEMPERATURE OUTSIDE : TFPT1206L1002FM  
TEMPERATURE INSIDE : MAX6662MSA+  
MCU : STM32L151C8T6A  
RELAY : ALQ1F05  
BUZZER : CMI-1295IC-0585T  
SENSOR ON / OFF : EG1215AA  
AC-DC CONVERTER :  
Trafo : BV302S12010-ZU  
Bridge Diodes: DB105STR  
DC-DC CONVERTER:  
5VDC : LM2675MX-12/NOPB  
3.3VDC : AP7361-33E-13  
LED DRIVER MOSFET : SSM3K357R,LF

#### Ek :

Resistors : RC0201FR-0710KL  
Capacitor : C0603C104K4RACTU  
Electrolytic Capacitor :  
ALA7DF471CF450  
PCR1E471MCL1GS

TANIM / DESCRIPTION	Wireless Security Detector	
DOSYA ADI / FILE NAME	HAZIRLAYAN / PREPARED BY	YAYIN TARİHİ / REL. DATE
Block Diagram.SchDoc	M. Mesih ÇELİK	06.09.2021
KONTROL EDEN / CHECKED BY	DEĞ. TARİHİ / CHANGED DATE	
UDEMY	13.09.2021	
ONAYLAYAN / APPROVED BY	REVİZYON / REVISION	
OLD SCHOOL	AA	
BÖLÜM / DEPARTMENT	BÖLÜT / SIZE	SAYFA / SHEET
R&D- Hardware	A3	5/2



A

B

C

D

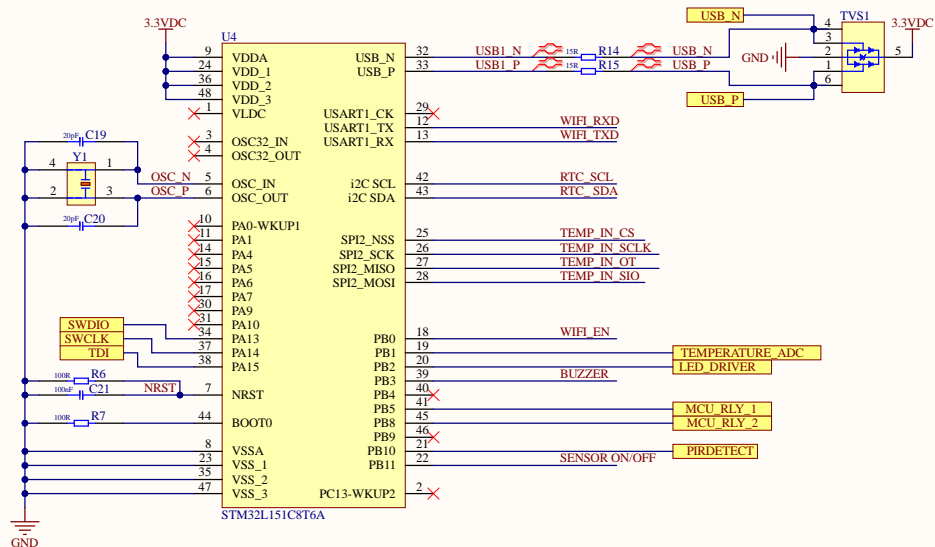
A

B

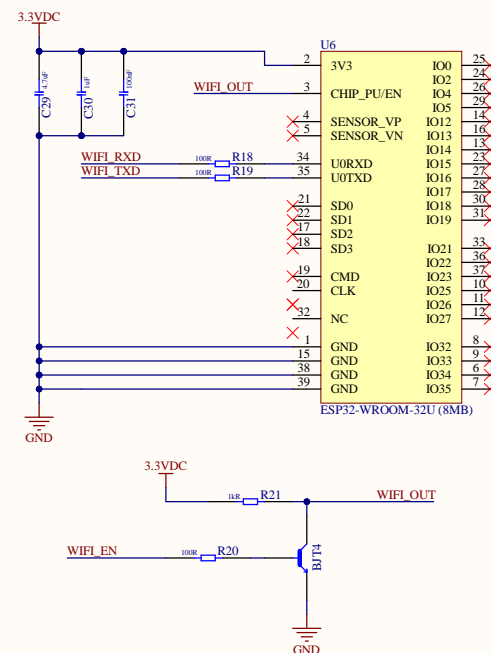
C

D

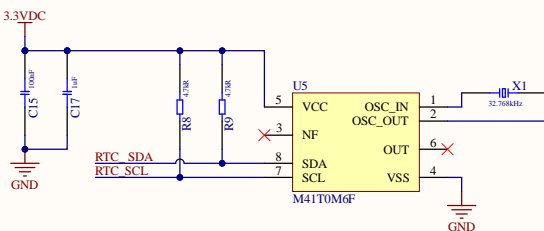
## MICROCONTROLLER



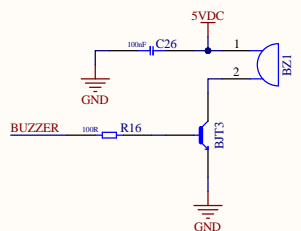
## WIFI MODULE



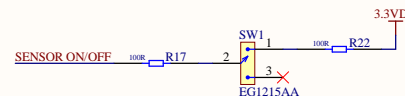
## RTC



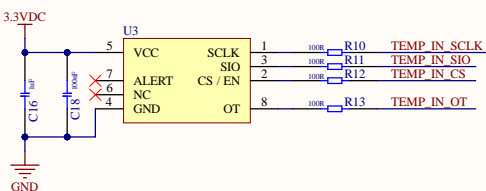
## BUZZER



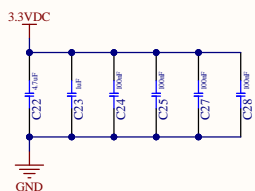
## SENSOR ON / OFF



## TEMPERATURE SENSOR

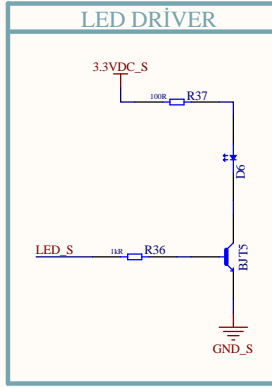
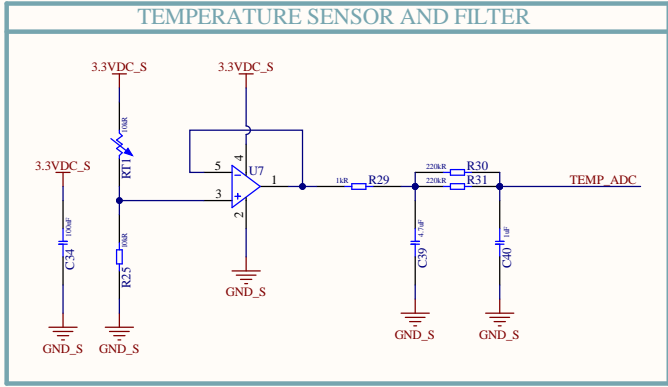
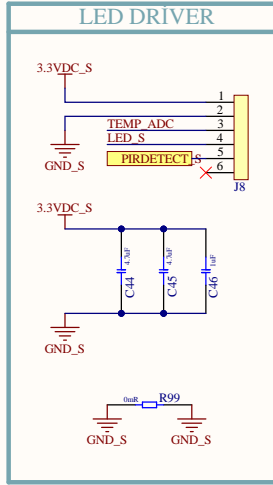
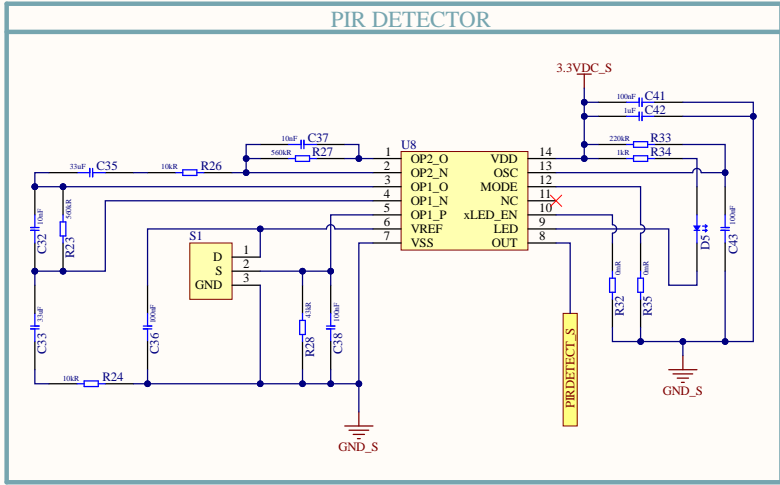


## DECOUPLING CAPACITORS



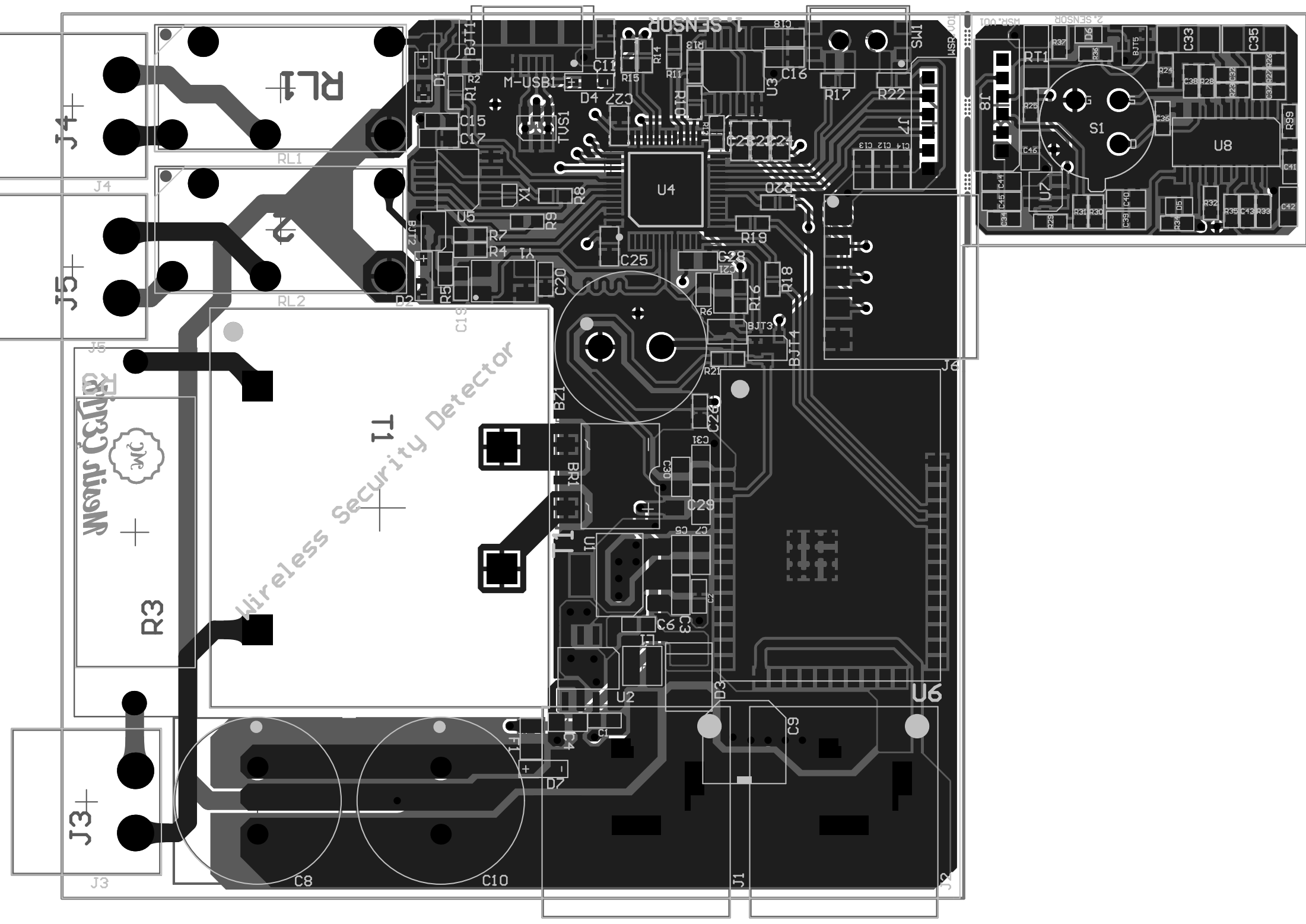
TANIM / DESCRIPTION		
Wireless Security Detector		
DOSYA ADI / FILE NAME	HAZIRLAYAN / PREPARED BY	YAYIN TARİHİ / REL. DATE
Microcontroller.SchDoc	M. Mesih ÇELİK	06.10.2021
KONTROL EDEN / CHECKED BY		DEĞ. TARİHİ / CHANGED DATE
UEDEMY		12.10.2021
ONAYLAYAN / APPROVED BY		REVİZYON / REVISION
OLD SCHOOL		AA
BÖLÜM / DEPARTMENT	BÖLÜMÜT / SIZE	SAYFA / SHEET
R&D Hardware	A3	5/4

MC  
Mesih ÇELİK



DOSYA ADI / FILE NAME		TANIM / DESCRIPTION
Sensor Board.SchDoc		Wireless Security Detector
HAZIRLAYAN / PREPARED BY		YAYIN TARİHİ / REL. DATE
M.Mesih ÇELİK		24.10.2021
KONTROL EDEN / CHECKED BY		DEĞ. TARİHİ / CHANGED DATE
UDEMİY		26.10.2021
ONAYLAYAN / APPROVED BY		REVİZYON / REVISION
OLD SCHOOL		AA
BÖLÜM / DEPARTMENT		BOYUT / SIZE
R&D Hardware		A3
		SAYFA / SHEET
		5/5





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