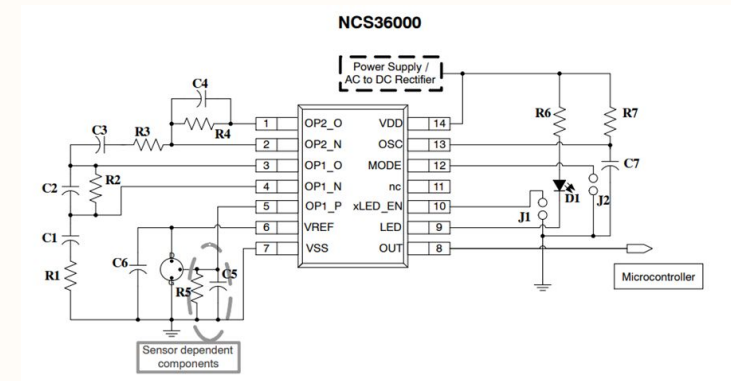
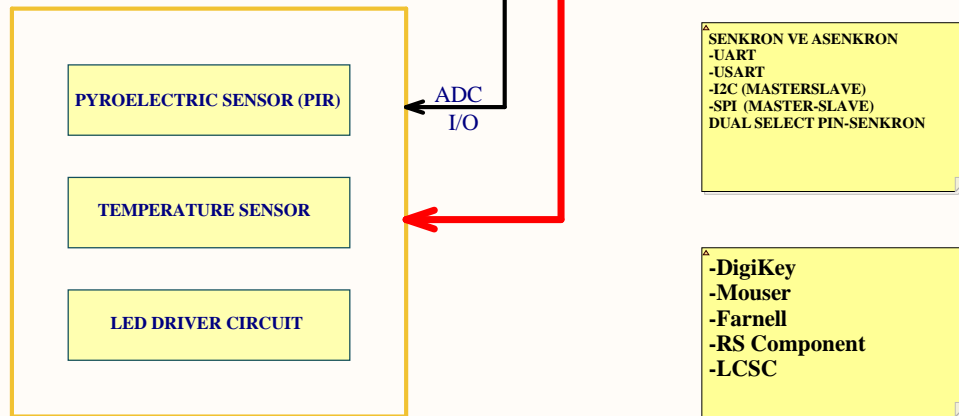
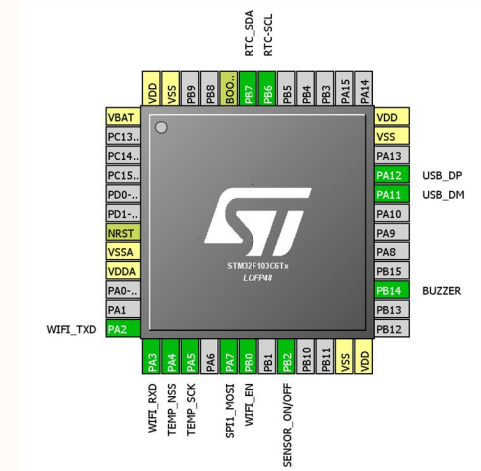



KOMPONENTER
RTC: M41T0M6F (DigiKey)
WIFI MODULE:
ESP32-WROOM-32E-N4 (DigiKey)
PYRO SENSOR: LHI 878/3902
(DigiKey)
TEMPERATURE OUTSIDE:
TFTPT1206L1002MF (FARNELL)
TEMPERATURE INSIDE:
MAX6662MSA+ (FARNELL)
MCU: STM32F103C6T6A (DigiKey)
RELAY: ALQ112 (DigiKey)
BUZZER: CMI-9605-0580T(DigiKey)
SENSOR ON/OFF: EG1215AA
(DigiKey)
AC-DC CONVERTER:
TRAFO: BV302S12010-ZU
(DigiKey)
Bridge Diodes: DB105S (DigiKey)
DC-DC CONVERTER:
5VDC: LM2675MX-12/NOPB (No
Stock)
3.3VDC: AP7361-33E-13 (FARNELL)
LED DRIVER MOSFET:
SSM3K357R.LF (DigiKey)

Resistors:
-RC0603FR-0710KL(10k-0603)
Capacitors:
-C0603C104K4RAC7867(01uF-0603)
-ALA7DA471CF450(Electrolytic-470uF-TH)
-PCR1E471MCL1GS(Aluminum-470uF)



		TADIM DESCRIPTION Wireless Security Detector	
DOKYIA AD/FILE NAME Block Diagram.SchDoc		HAZIRLAYAN/PREPARED BY Mustafa Emin ADAK	YAYIN TARİHİ/REL. DATE 15.03.2023
		KONTROL EDEN/CHECKED BY Udemir Instructor	DEĞ. TARİHİ/ CHANGE DATE
		ONAYLAYAN/APPROVED BY Mustafa Berk AYDOĞAN	REVİZYON/REVISION *
BÖLÜM/DEPARTMENT R&D Hardware		BÖYÜT/SIZE	SAYFA/SHEET 1

A

B

C

D

A

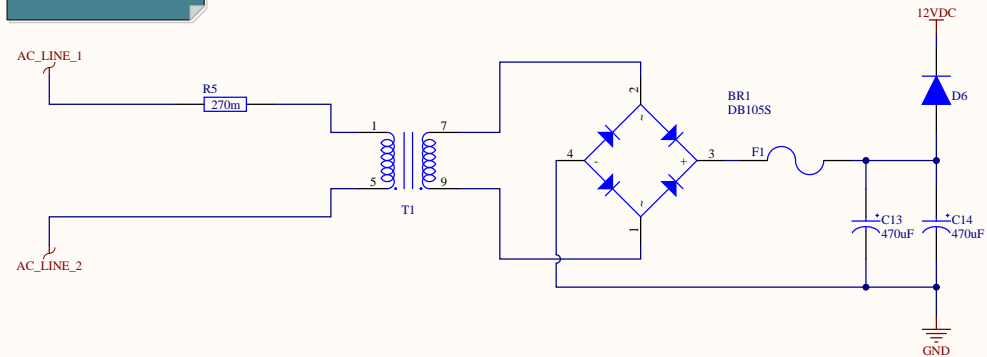
B

C

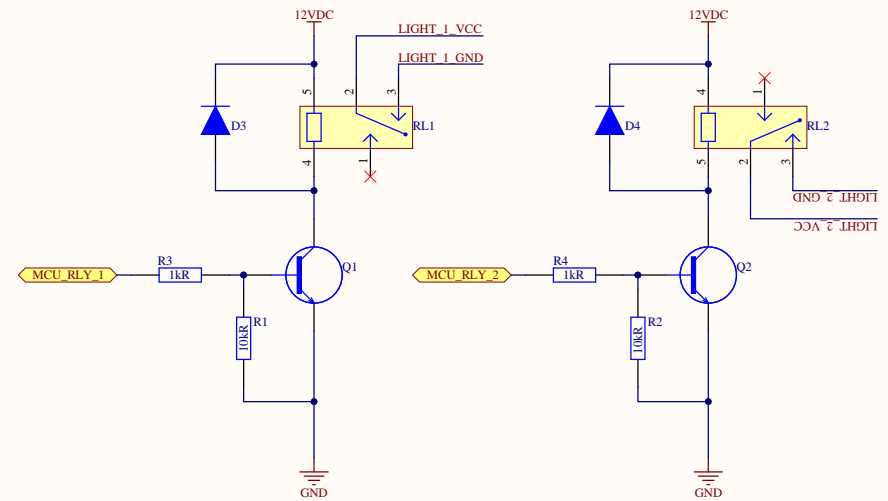
D

AC-DC CONVERTER

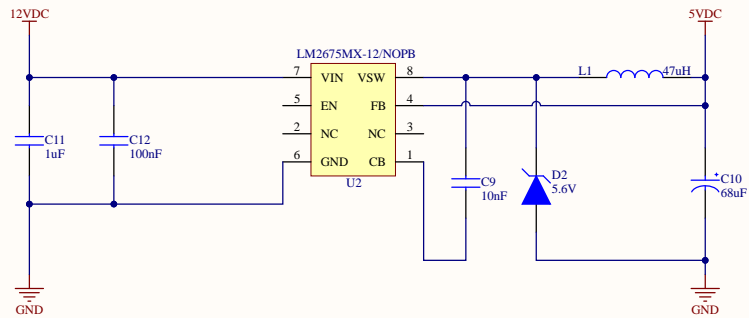
AC LINE>> 230VAC 50Hz



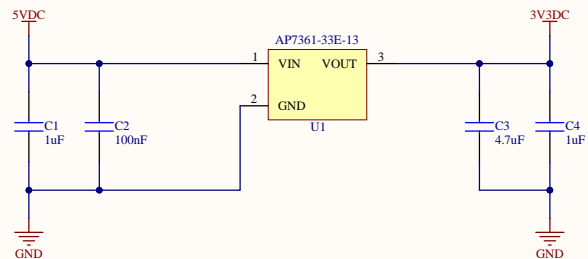
RELAY



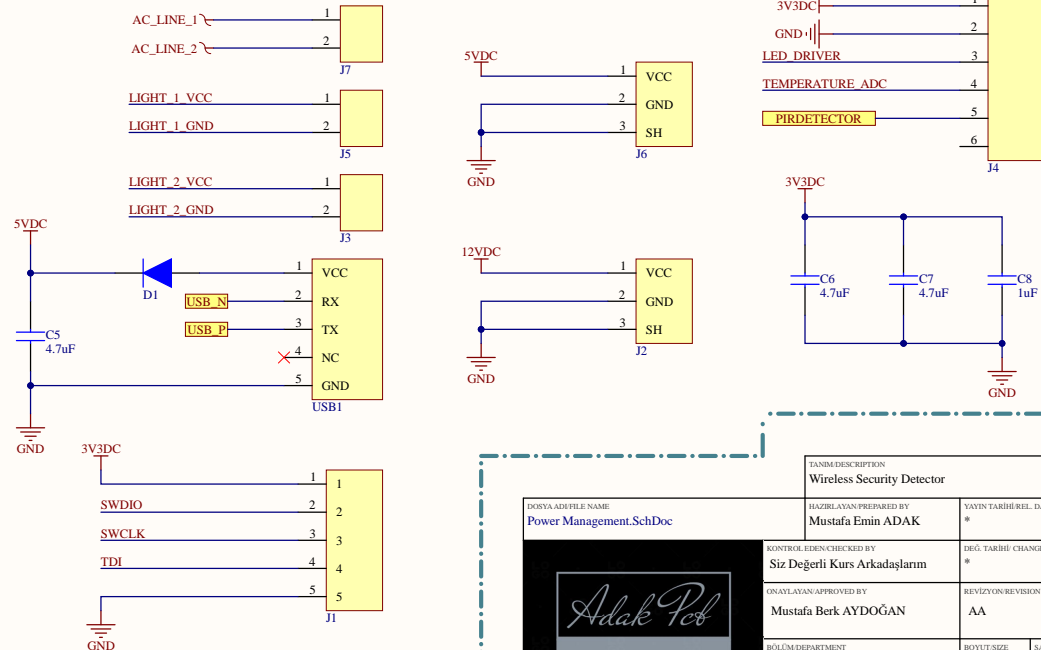
[12VDC-5VDC] DC-DC CONVERTER

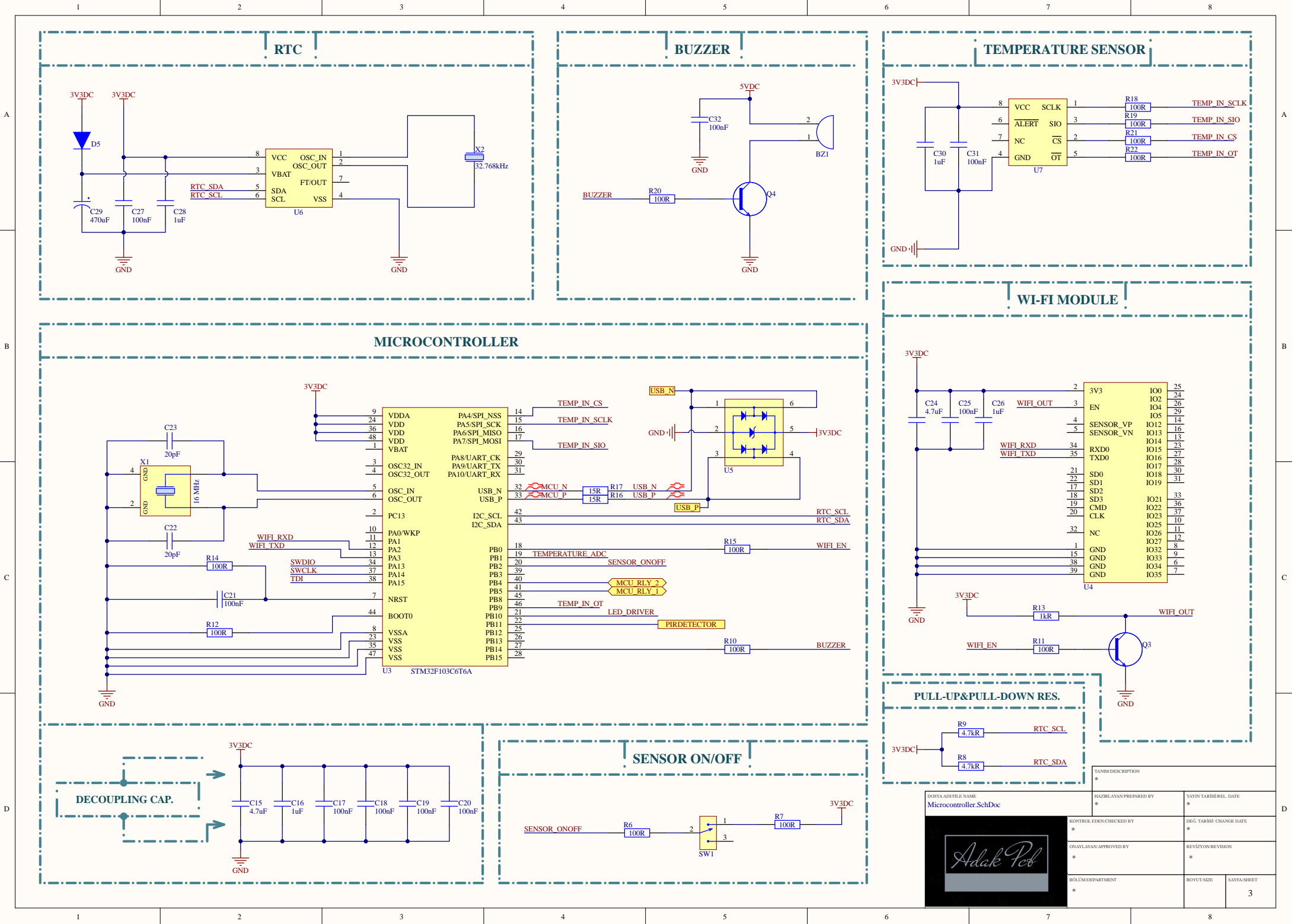


[5VDC-3V3DC] DC-DC CONVERTER



CONNECTORS

DORYA ADE FILE NAME
Power Management.SchDocTANIMLAMA
Wireless Security DetectorHAZIRLAYAN PREPARED BY
Mustafa Emin ADAKKONTROL EDEN CHECKED BY
Siz Değerli Kurs ArkadaşlarımONAYLAYAN APPROVED BY
Mustafa Berk AYDOĞANBÖLÜM DEPARTMENT
R&D HardwareYAYIN TARİHİ REL. DATE
*DEĞ. TARİHİ CHANGE DATE
*REVİZYON/REVISION
AABOYUT/SIZE
SAYFA/SHEET
2



Board Stack Report