Burglar Alarm

Variant: [No Variations]

01/03/2022
1.0.10

RELEASED DD-MMM-YYYY

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DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational design notes.

DESIGN NOTE:
Example text for cautionary design notes.

DESIGN NOTE:
Example text for debug notes.

DESIGN NOTE:
Example text for critical design notes.

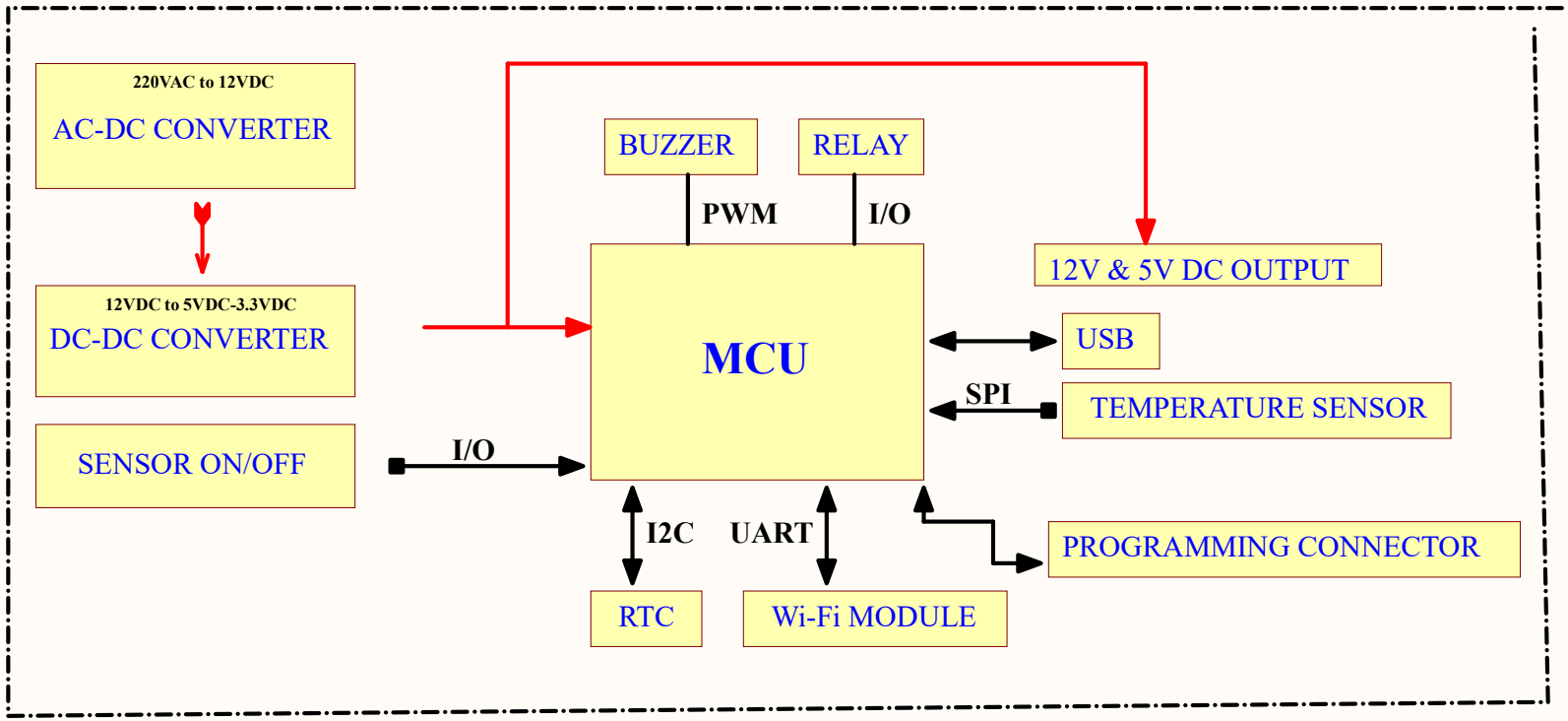
LAYOUT NOTE:
Example text for critical layout guidelines.

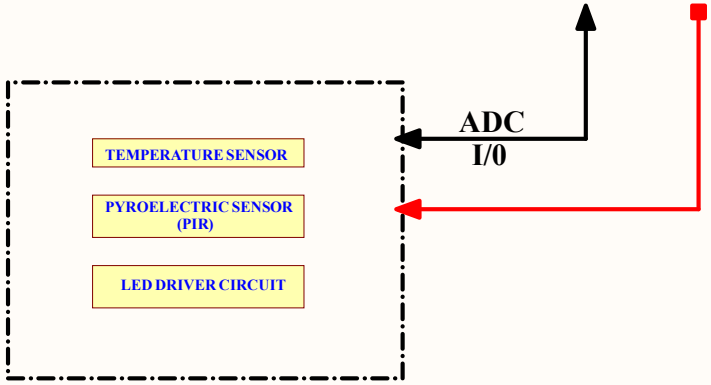
Designed By: Enes Mercan	
Title: Burglar Alarm	**Variant:** [No Variations]
Page Name: COVER PAGE.SchDoc	**Page Size:** A3
Date: 01/03/2022	**Revision:** 1.00.00
ApprovedBy: Enes Mercan	**Sheet:** 1 of 5

Company: HurSAT

Cannot open file C:\Users\Public\Documents\Altium\Projects\Guvenlik Kartı\Screen Shot 2021-05-17 at 14.20.06.png. File does not exist.

Burglar Alarm
(Block Diagram)





RESISTOR: RC0603FR-0710KL
CAPACITOR:
C0603X104K4RACTU
ESY277M050AH4AA
ALA7DA471CF450
PCR1E471MCL1GS
ZENER DIODE: 1SMB5919BT3G
USB: 10118192-0001LF

KOMPONENTLER

+RTC: M41T00M6F
+WIFI MODULE: ESP32-WROOM-32E
+PYRO SENSOR: LHI 878/3902
+TEMPERATURE INSIDE: MAX6662MSA+
+TEMPERATURE OUTSIDE: TFPT1206L1002FM
+MCU: STM32F103C6T6A
+RELAY: ALQ112
+BUZZER: CMI-9605IC-0580T
+AC-DC CONVERTER:
+Bridge Diodes: DB105STR
+Trafo: BV302S12020-ZU
+DC-DC CONVERTER:
+5VDC:LM2675MX-12/NOPB
+3.3VDC:AP7361-33E-13
+SENSOR ON/OFF: EG1215AA
+LED DRIVER MOSFET: SSM3K357R,LF

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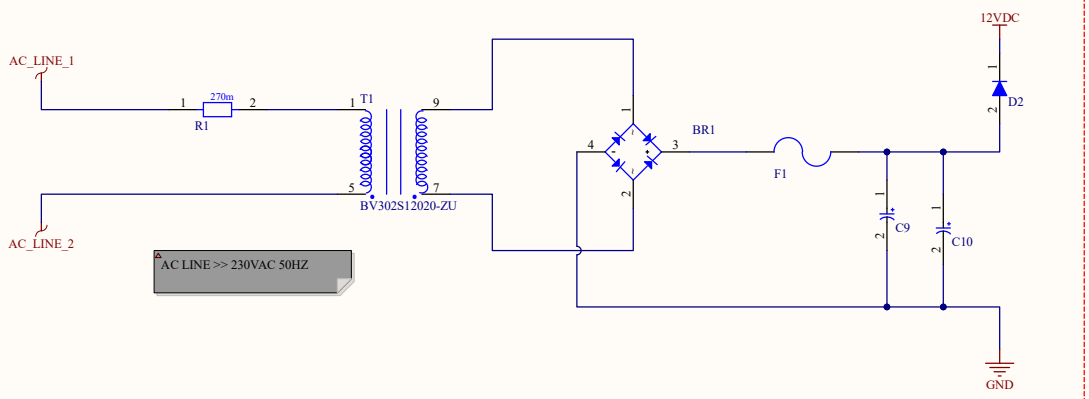
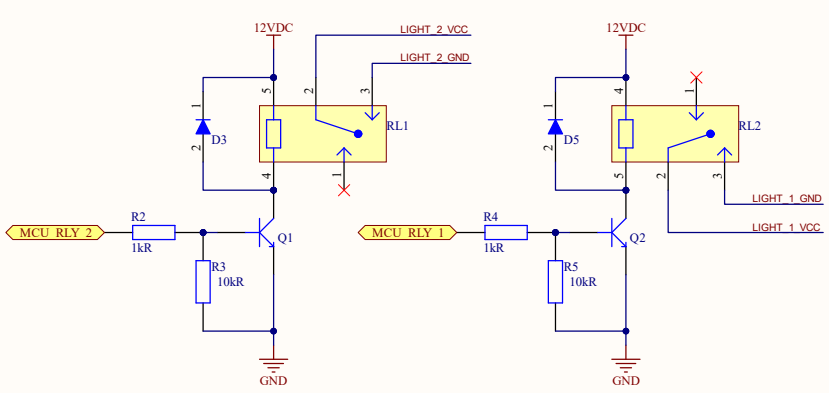
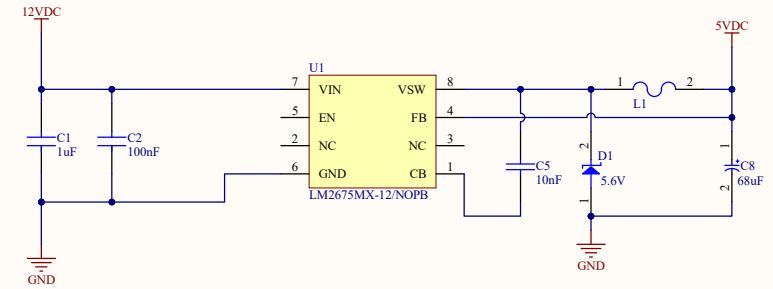
AC-DC CONVERTER



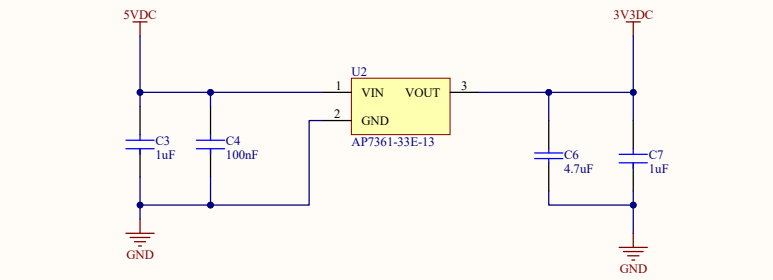
RELAY



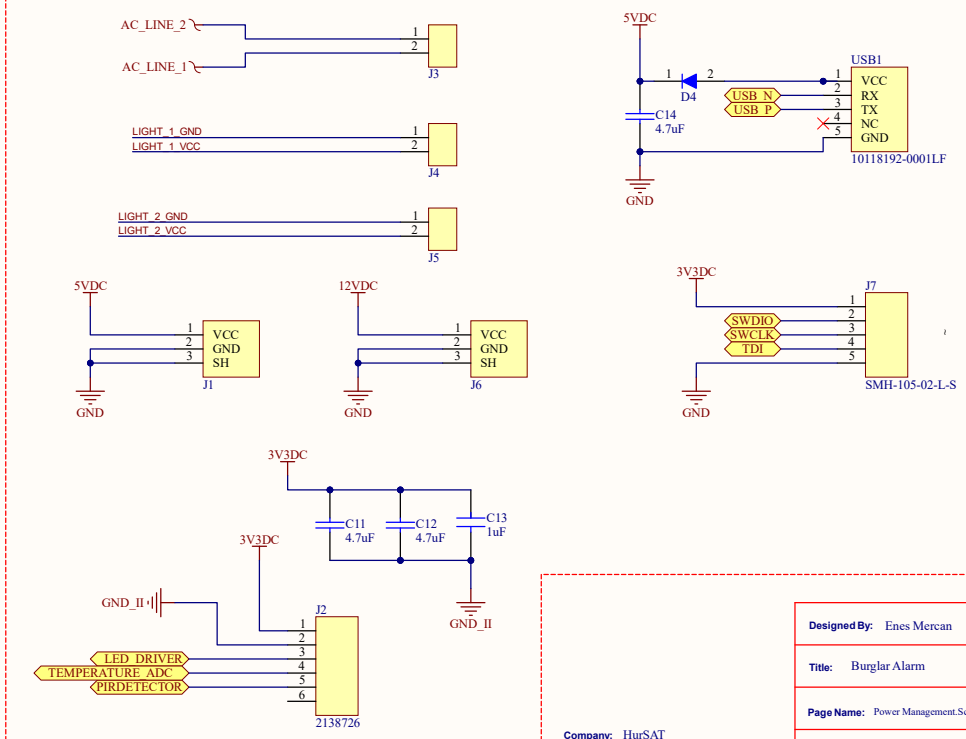
12VDC-5VDC CONVERTER



5VDC-3.3VDC CONVERTER



CONNECTORS



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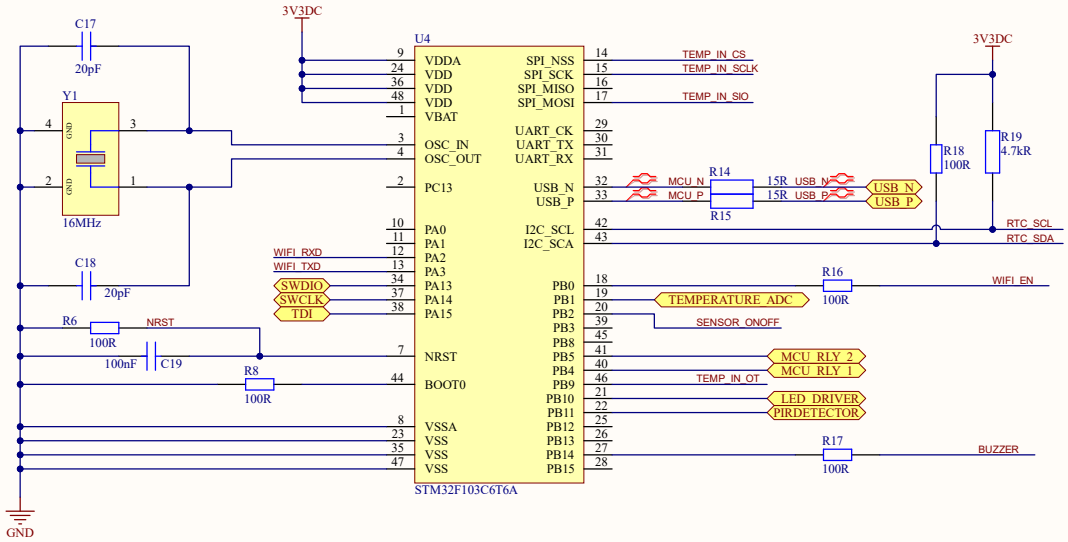
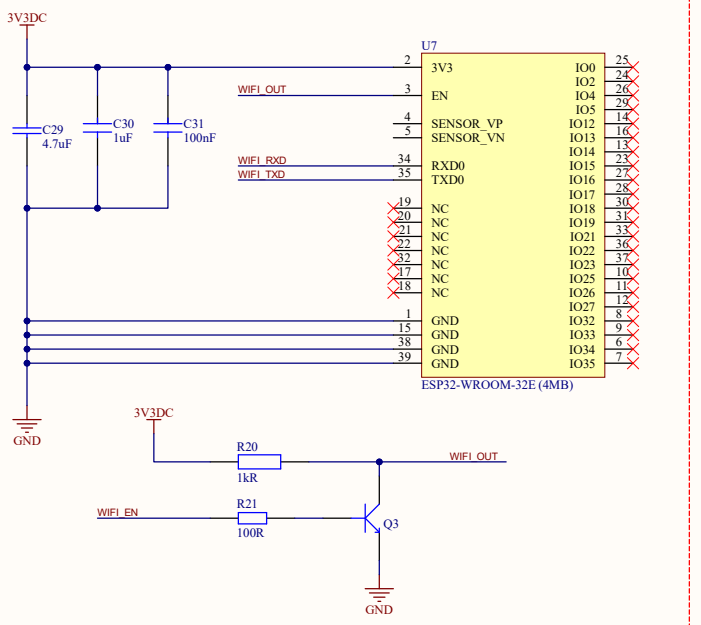
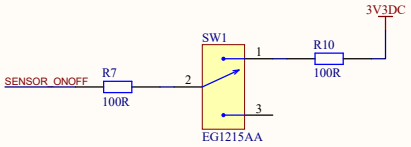
MICROCONTROLLER



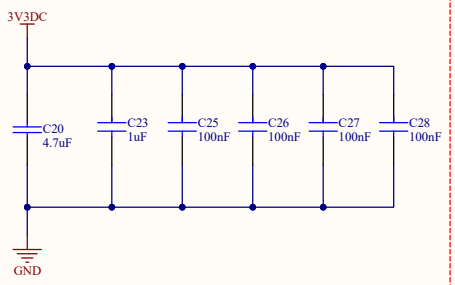
WI-FI MODULE



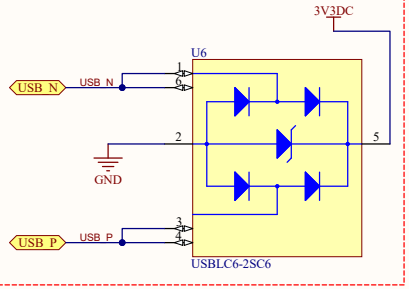
SENSOR ON/OFF



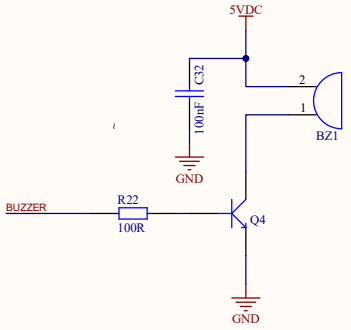
DECOUPLING



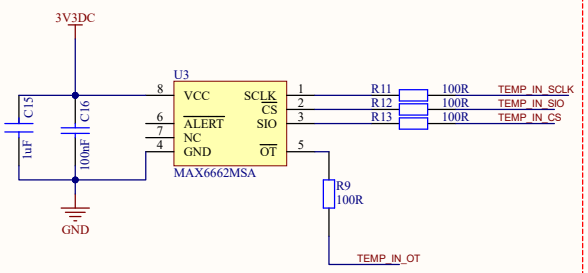
USB PROTECTION



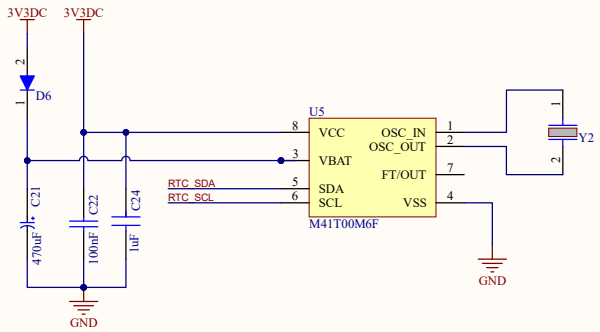
BUZZER



TEMPERATURE SENSOR



RTC



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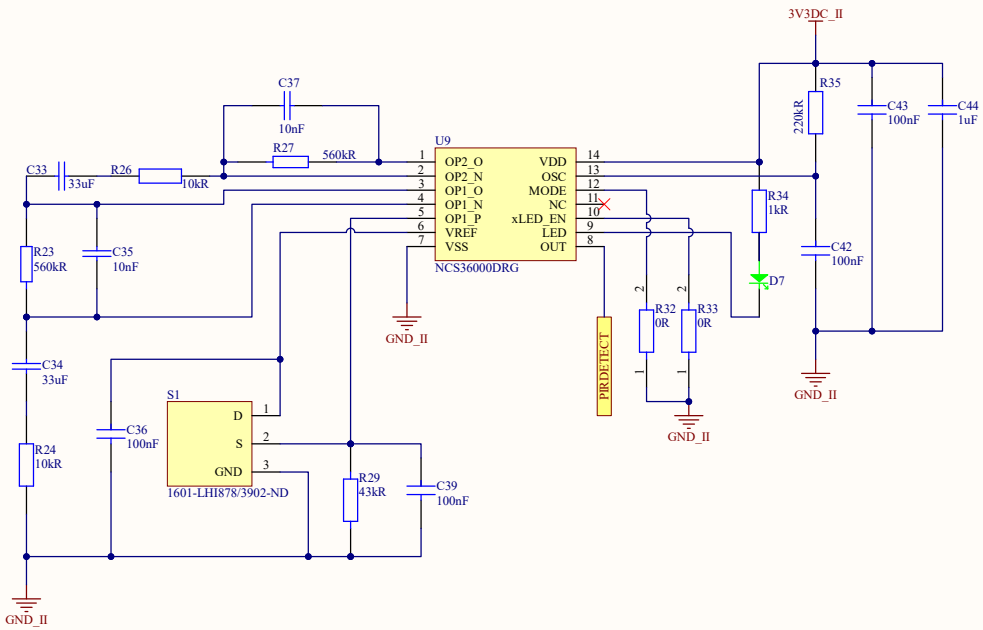
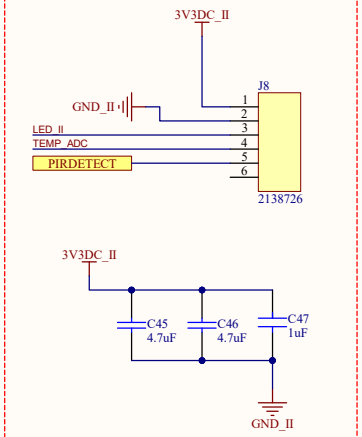
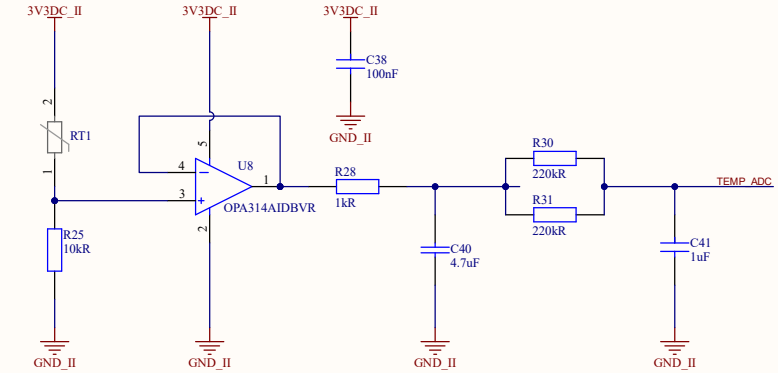
PIR DETECTOR



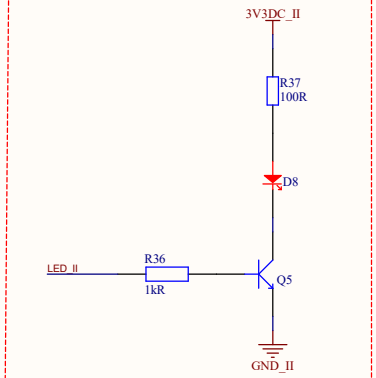
CONNECTOR



TEMPERATURE SENSOR AND FILTER



LED DRIVER



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