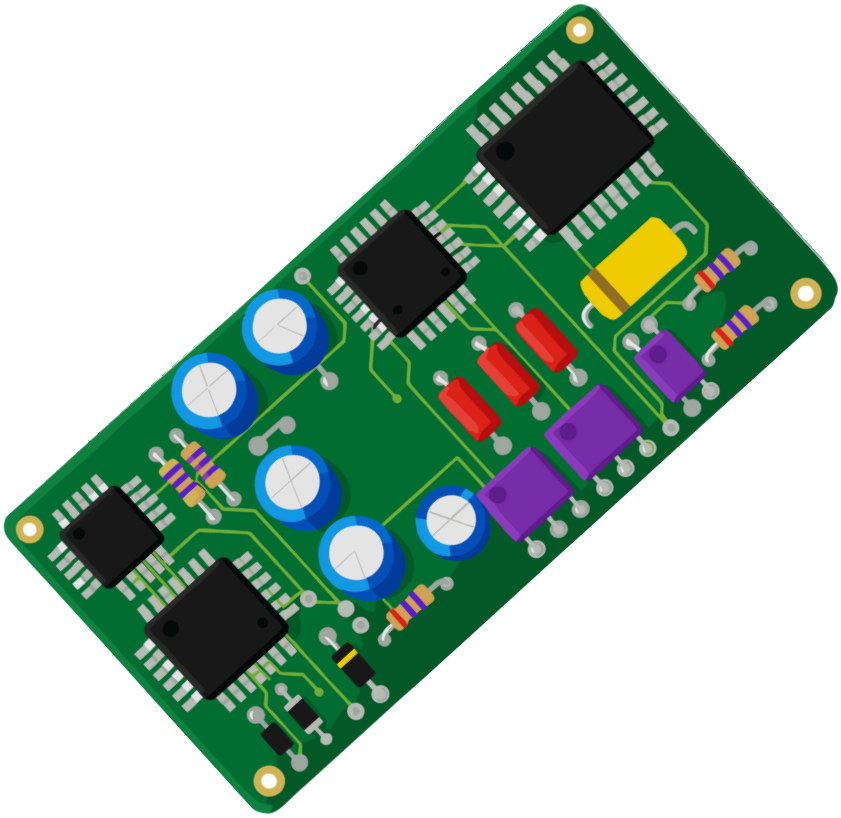
# ASELSAN MESLEKİ VE TEKNİK ANADOLU LİSESİ



# STM32F103 GELİŞTİRME KARTI


**HAZIRLAYAN:**

**AD:** Öykü Irmak

**SOYAD:** YILDIZ

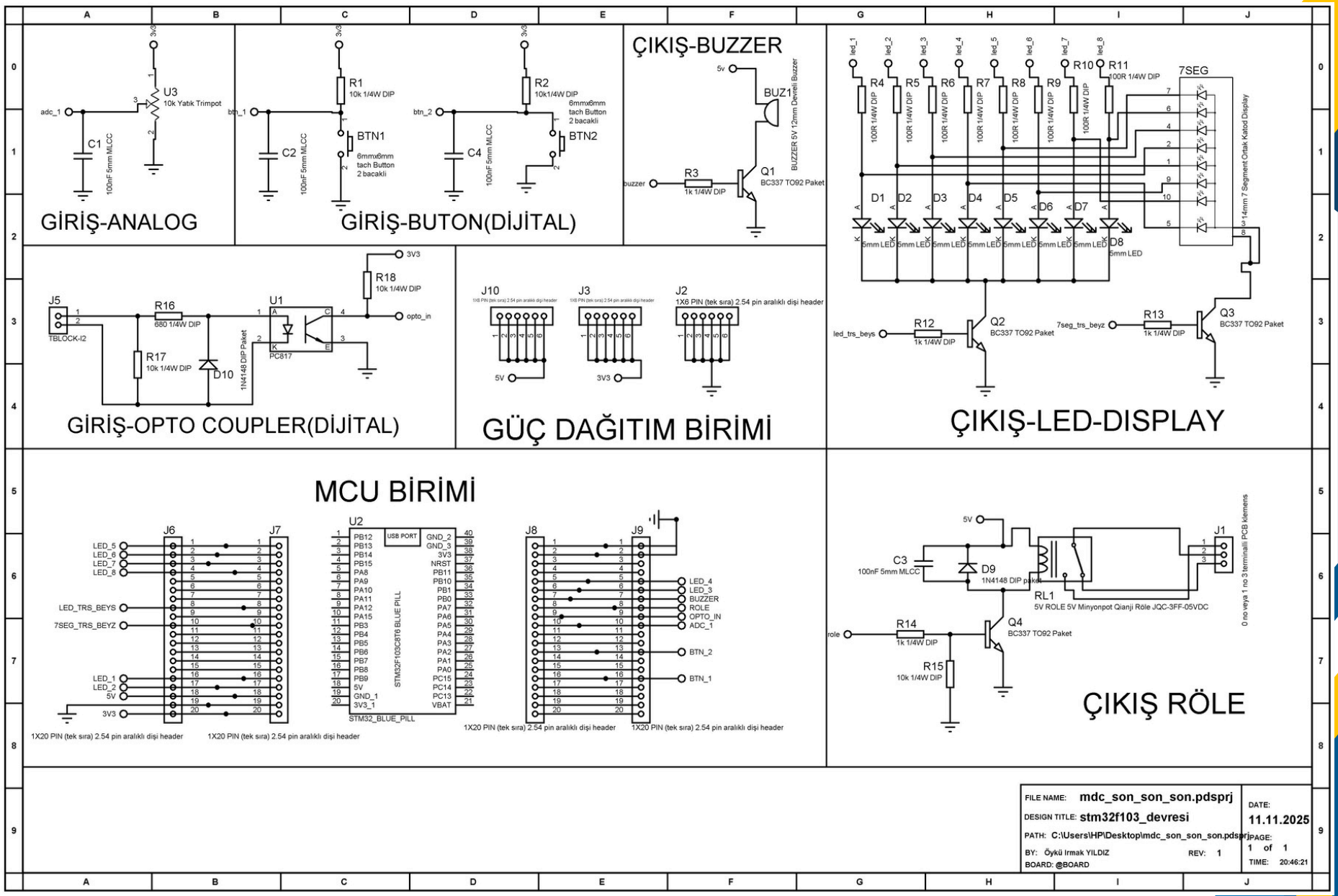
**SINIF/NUMARA:** 11/A 682

**DERS ÖĞRETMENİ:** Mustafa SEYHAN

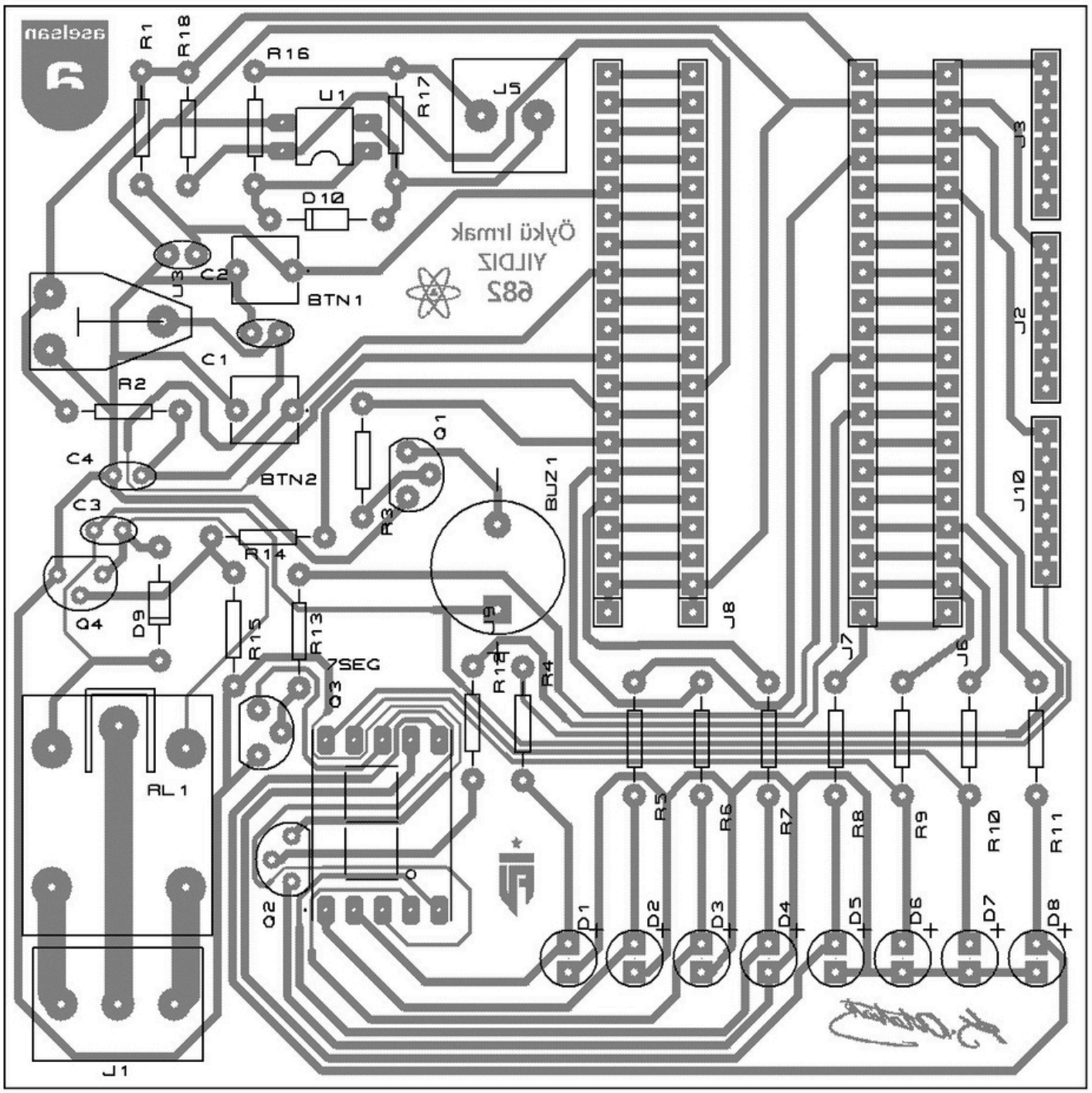
# İÇİNDEKİLER:

**SAYFA 3:** DEVRE ŞEMASI
**SAYFA 4:** YERLEŞİM PLANI (OVERLAY)
**SAYFA 5:** MALZEME LİSTESİ (BILL OF MATERIALS)
**SAYFA 6-7-8:** DEVRENİN 3 BOYUTLU GÖRSELLERİ

# DEVRE ŞEMASI



# YERLEŞİM PLANI (OVERLAY)



# MALZEME LİSTESİ (BILL OF MATERIALS)

## Bill Of Materials for stm32f103_devresi

| | |
|---|---|
| **Design Title** | stm32f103_devresi |
| **Author** | Öykü Irmak YILDIZ |
| **Document Number** | 1 |
| **Revision** | 1 |
| **Design Created** | 3 Kasım 2025 Pazartesi |
| **Design Last Modified** | 11 Kasım 2025 Salı |
| **Total Parts In Design** | 53 |

### 0 Modules

| Quantity | References | Value | Stock Code | Unit Cost |
|---|---|---|---|---|
| Sub-totals: | | | | ₹0,00 |

### 4 Capacitors

| Quantity | References | Value | Stock Code | Unit Cost |
|---|---|---|---|---|
| 4 | C1-C4 | 100nF | | |
| Sub-totals: | | | | ₹0,00 |

### 18 Resistors

| Quantity | References | Value | Stock Code | Unit Cost |
|---|---|---|---|---|
| 5 | R1-R2,R15,R17-R18 | 10k | | |
| 4 | R3,R12-R14 | 1k | | |
| 8 | R4-R11 | 100R | | |
| 1 | R16 | 680 | | |
| Sub-totals: | | | | ₹0,00 |

### 3 Integrated Circuits

| Quantity | References | Value | Stock Code | Unit Cost |
|---|---|---|---|---|
| 1 | U1 | PC817 | | |
| 1 | U2 | STM32_BLUE_PILL | | |
| 1 | U3 | 3006P1101 | | |
| Sub-totals: | | | | ₹0,00 |

### 4 Transistors

| Quantity | References | Value | Stock Code | Unit Cost |
|---|---|---|---|---|
| 4 | Q1-Q4 | BC337 | | |
| Sub-totals: | | | | ₹0,00 |

### 10 Diodes

| Quantity | References | Value | Stock Code | Unit Cost |
|---|---|---|---|---|
| 8 | D1-D8 | LED | | |
| 2 | D9-D10 | 1N4148 | | |
| Sub-totals: | | | | ₹0,00 |

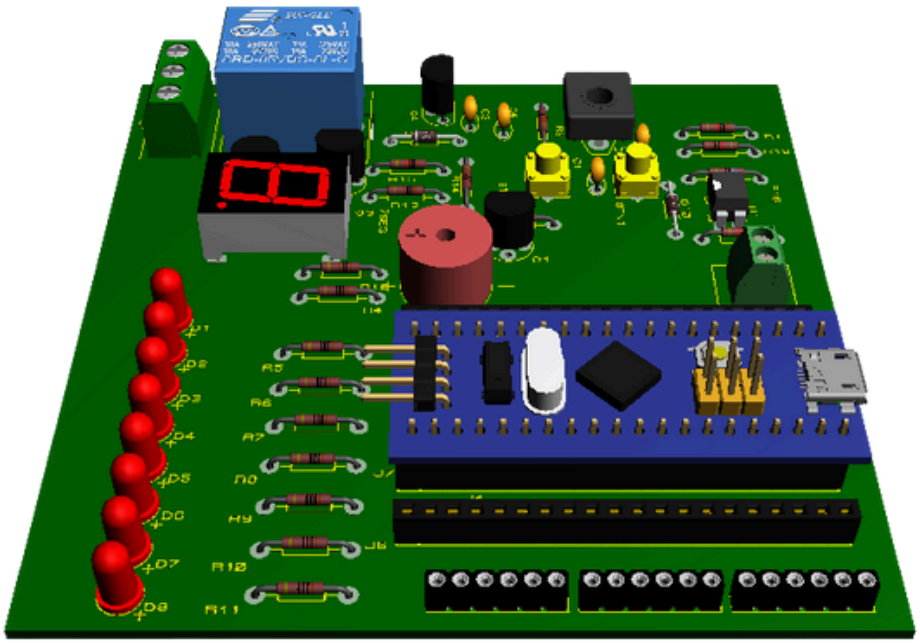
### 14 Miscellaneous

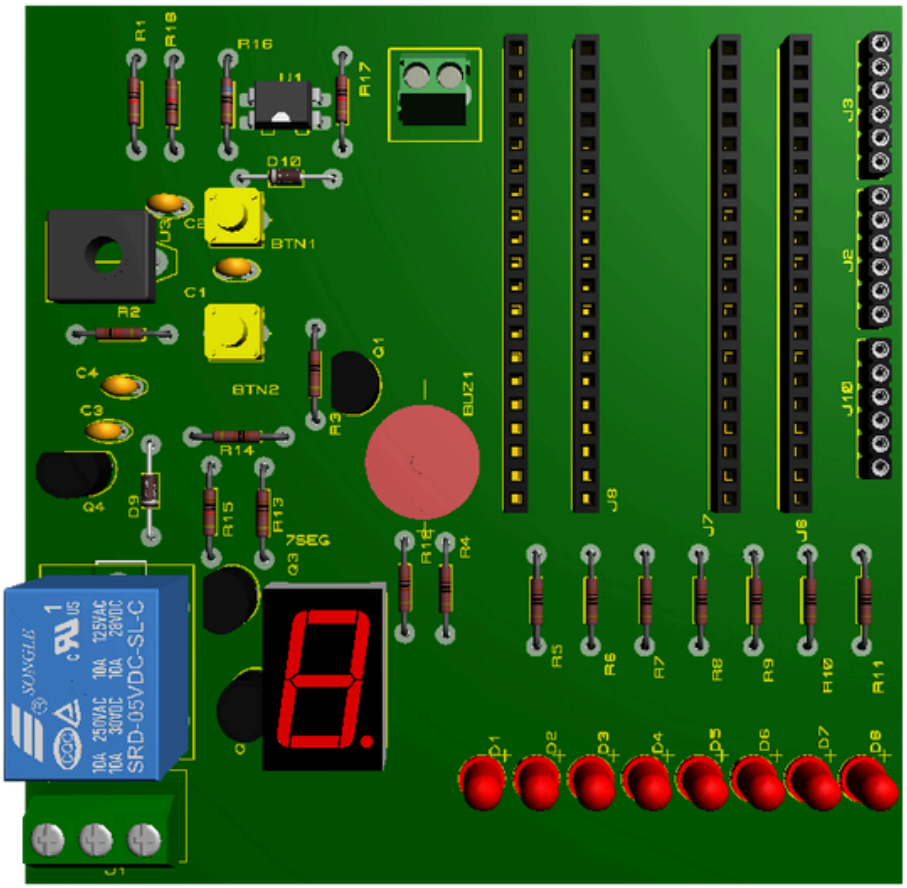
| Quantity | References | Value | Stock Code | Unit Cost |
|---|---|---|---|---|
| 1 | 7SEG | HDSP511Y | | |
| 2 | BTN1-BTN2 | | | |
| 1 | BUZ1 | BUZZER | | |
| 1 | J1 | TBLOCK-I3 | | |
| 3 | J2-J3,J10 | 25630601RP2 | NorComp 25630601RP2 | |
| 1 | J5 | TBLOCK-I2 | | |
| 4 | J6-J9 | 25632001RP2 | NorComp 25632001RP2 | |
| 1 | RL1 | G2R-14-AC120 | | |
| Sub-totals: | | | | ₹0,00 |

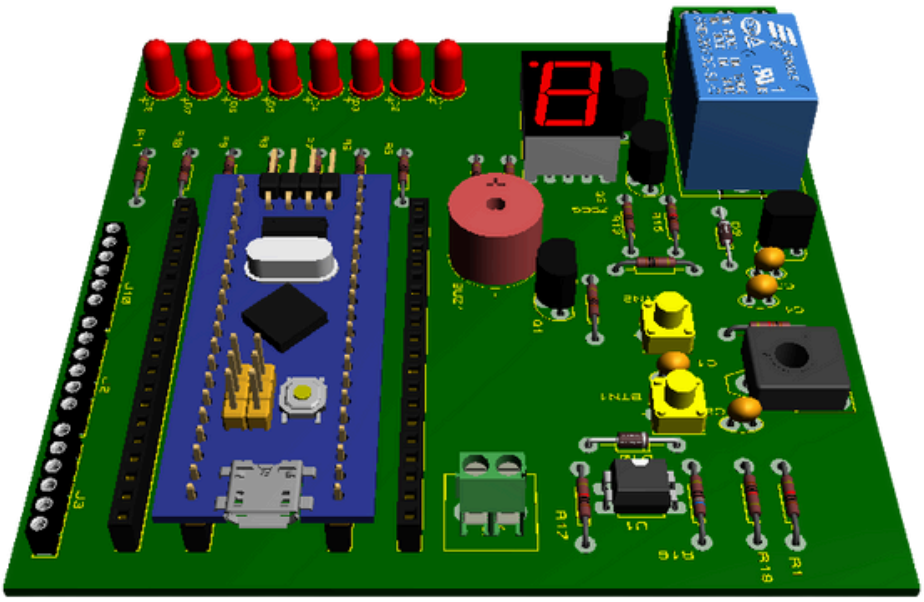
Totals: ₹0,00

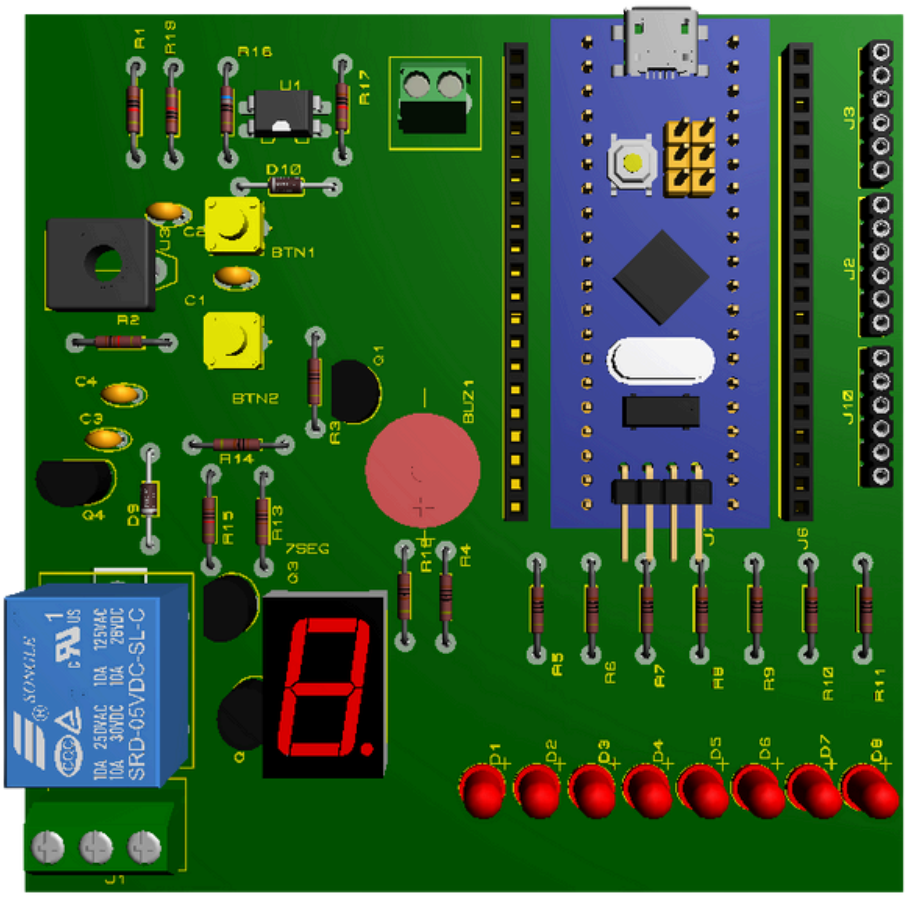
*12 Kasım 2025 Çarşamba 22:10:07*

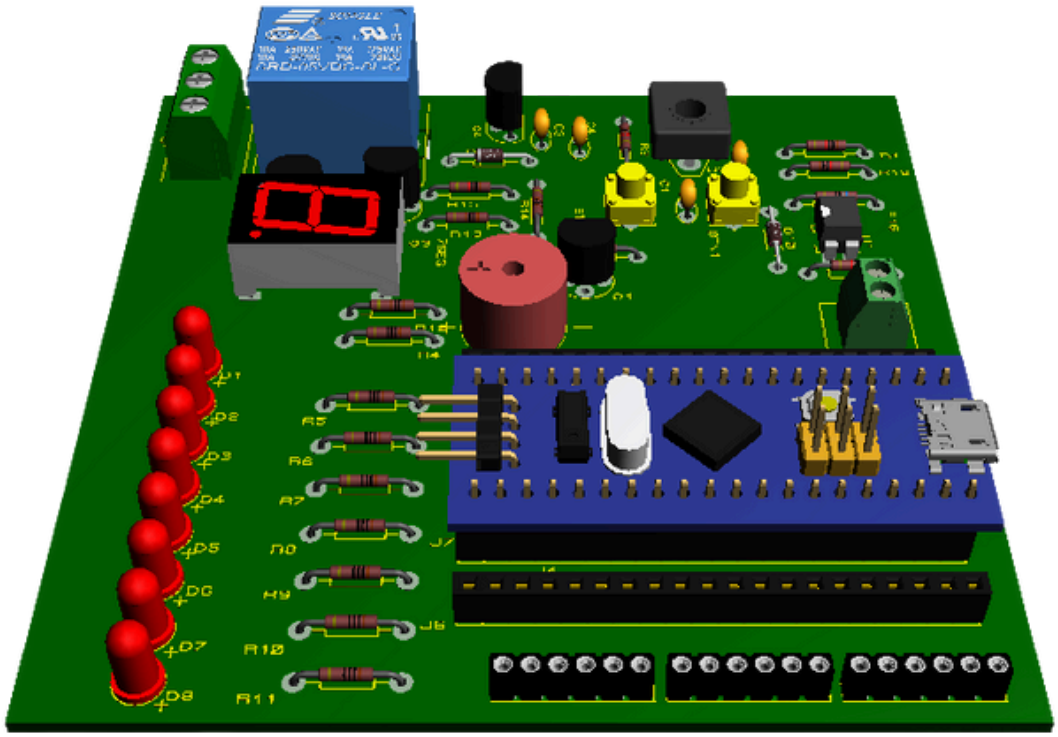
# DEVRENİN 3 BOYUTLU GÖRSELLERİ

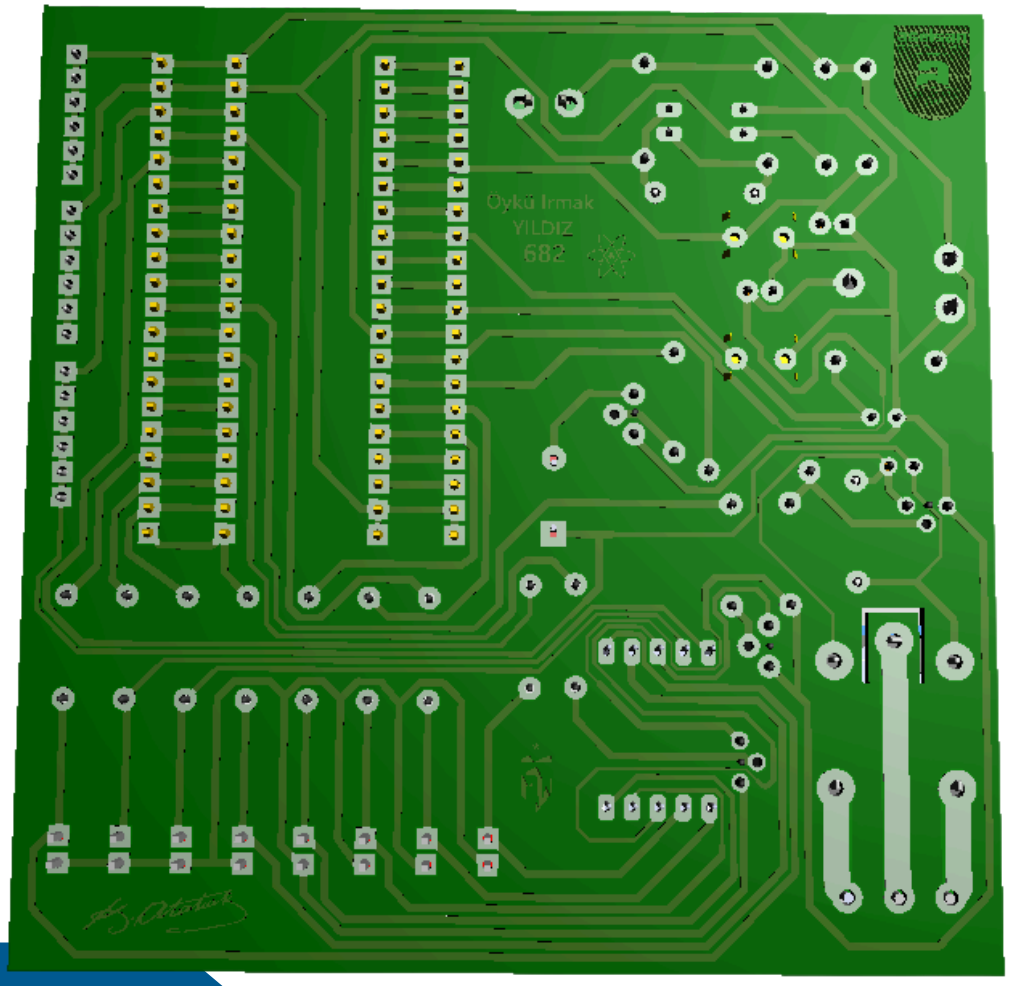







R1
R18
R16
U1
R17
D10
BTN1
C2
C1
R2
C4
C3
BTN2
Q1
R3
BUZ1
R14
Q4
D9
R15
R13
7SEG
Q3
R4
R5
R6
R7
R8
R9
R10
R11
J3
J2
J10
J6
D1
D2
D3
D4
D5
D6
D7
D8
J1
SRD-05VDC-SL-C




Öykü İrmak
YILDIZ
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