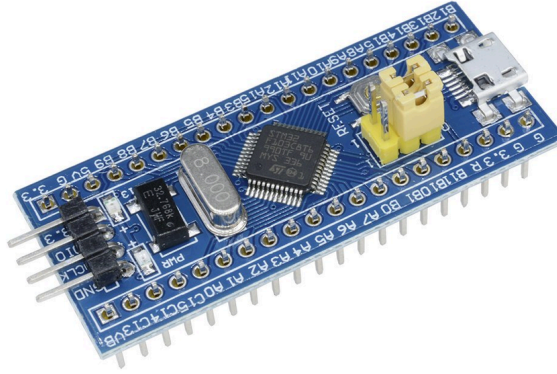


# ASELSAN MESLEKİ TEKNİK VE ANADOLU LİSESİ



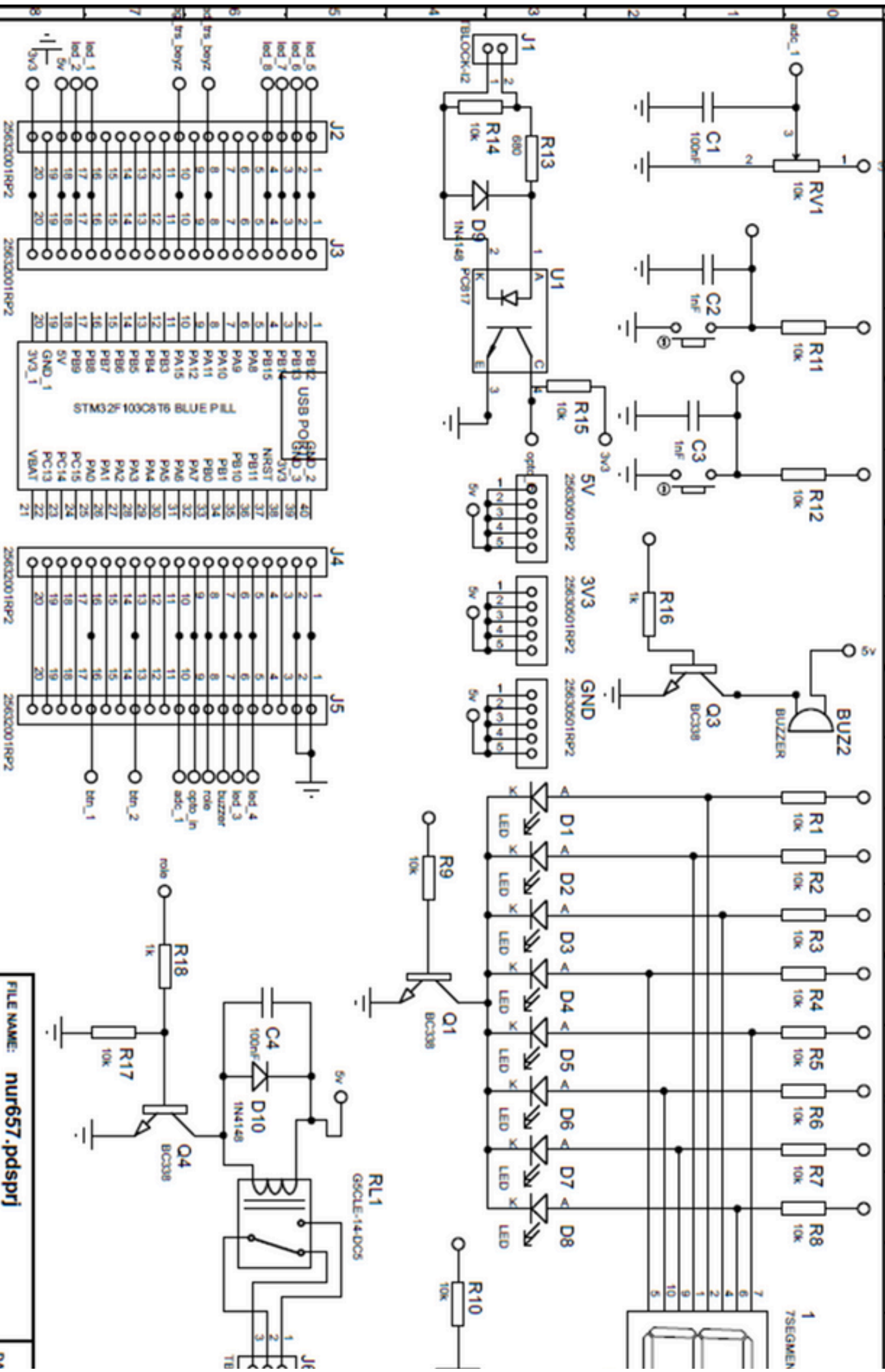
## STM32F103 GELİŞTİRME KARTI:



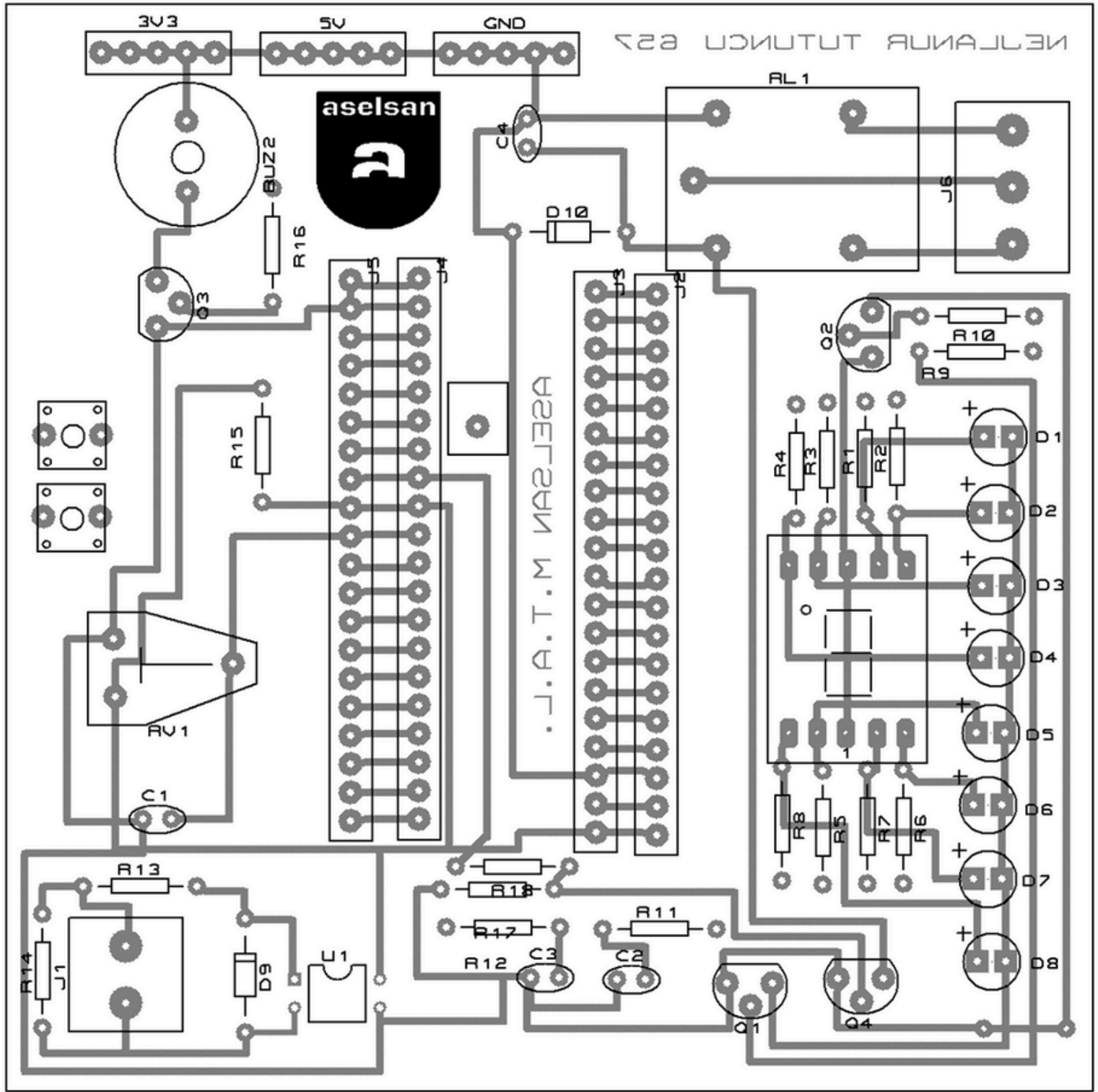
**Hazırlayan:**

**NEJLANUR TÜTÜNCÜ**

**657 11/B**







YERLEŞİM PLANI

# MALZEME LİSTESİ:

## 1-RESİSTORS

**6 Adet - R1, R2, R14, R15, R16, R18= 100nf**

**4 Adet- R3, R12, R13, R17= 1k**

**8 Adet = R4, R5, R6, R7, R8, R9, R10, R11=100**

## 2-CAPASİTORS

**4 Adet= C1, C2, C3, C4 =100nF**

## 3-DİODES

**8 Adet= D1-D8= led**

**2 Adet- D9, D10=1n4148**

## 4-MİSCELLANEOUS

**1 Adet- RV tripot**

**2 Adet - Button**

**1 Adet- Buzzer**

**4 Adet- Q1, Q2, Q3, Q4 = BC338**

**1 Adet= 2'li pin**

**1 Adet= 3'lü pin**

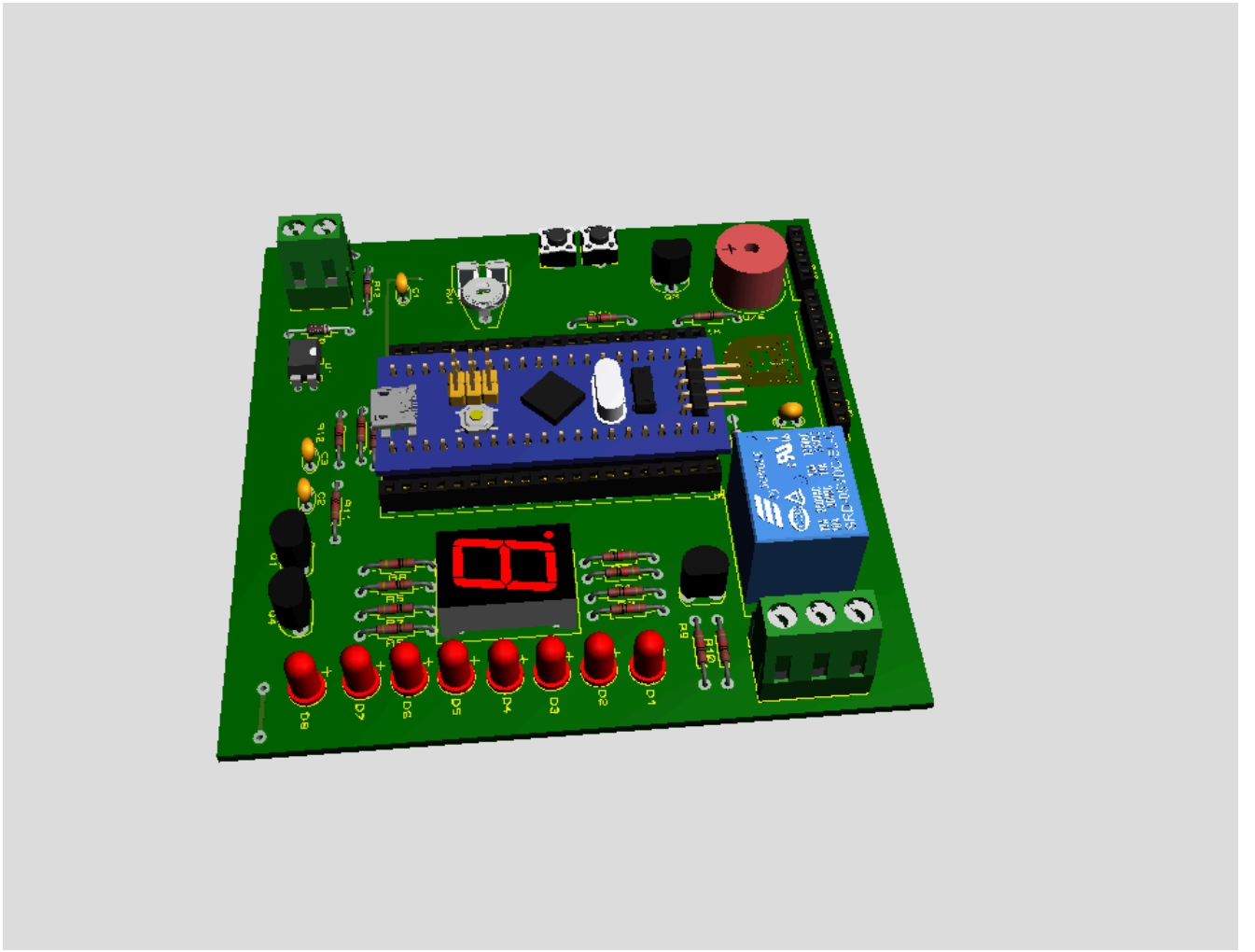
**4 Adet= 20'li pin**

**3 Adet= 5'li pin**

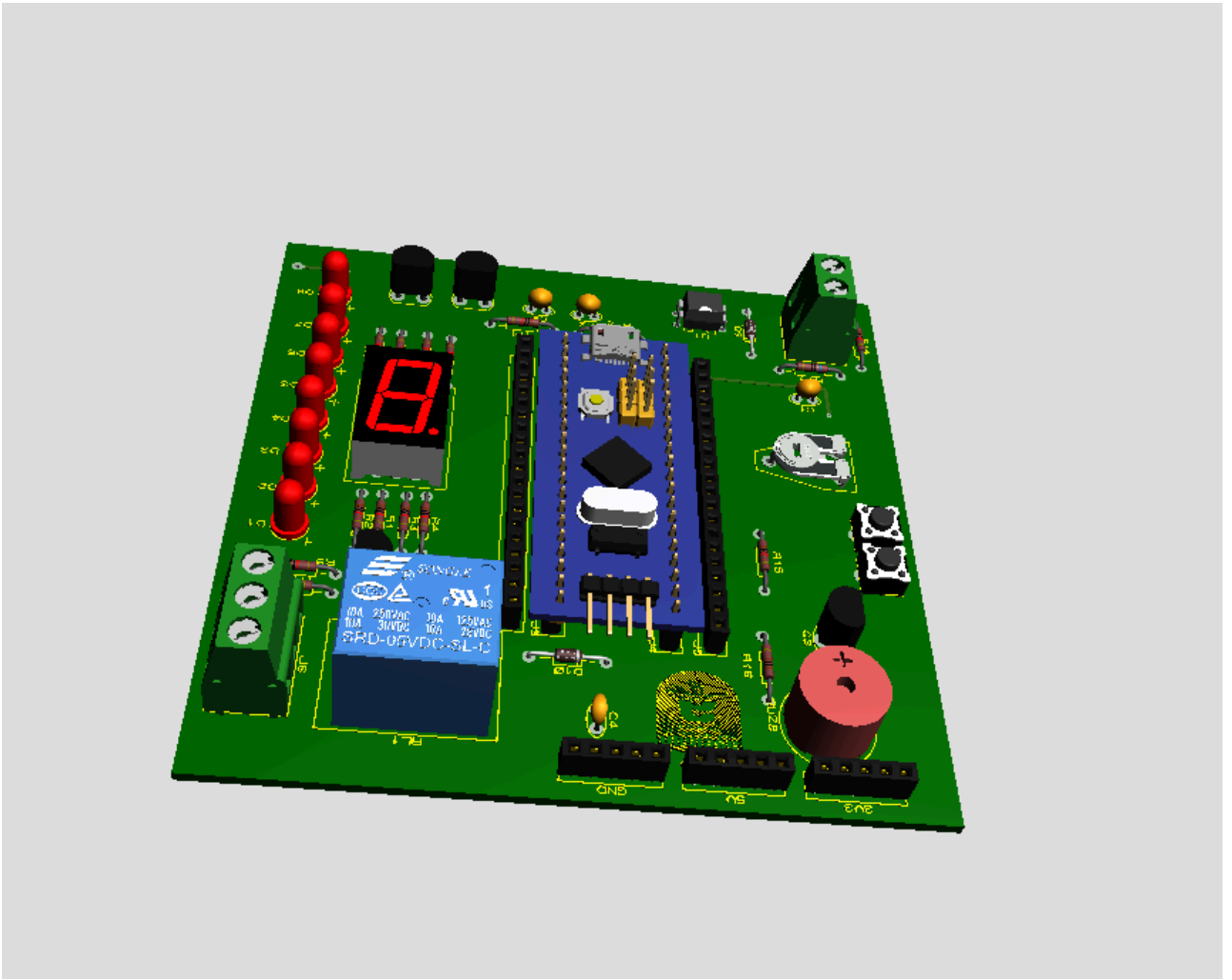
**1 Adet- Röle**

**1 Adet= PCB17 (opto coupler)**

**1 Adet- STM32\_BLUE\_PILL**

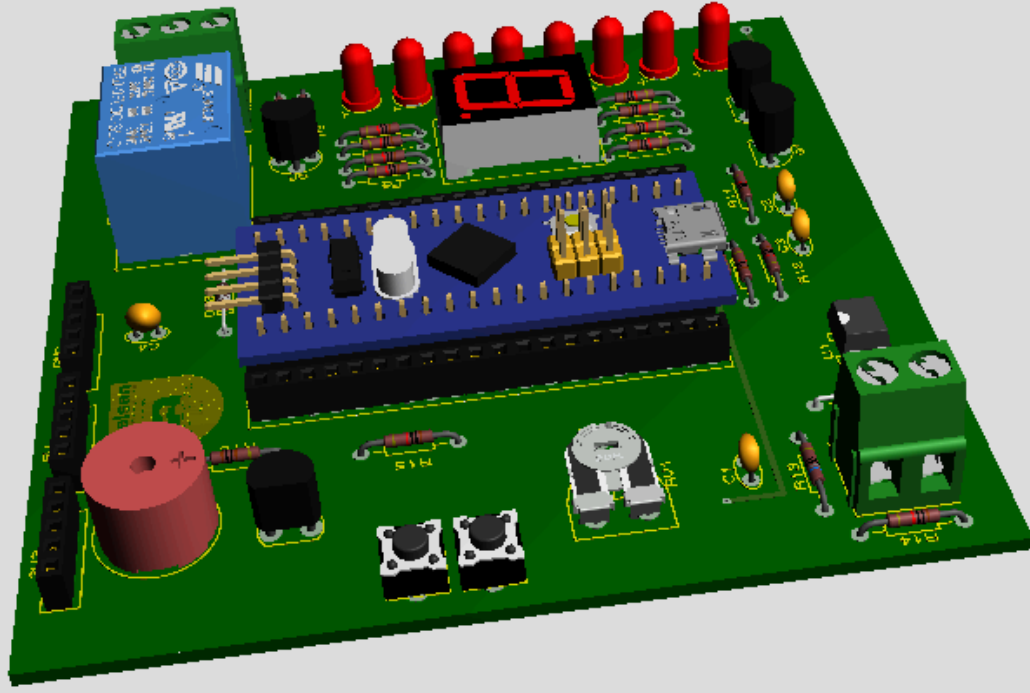


3D görünümde bir tanesi hariç diğerlerinde mavi STM32F103C8T6 bluepill kartı görünecektir.



**kartın üst katmanı tüm açılardan görüntülenecektir.**





Bluepill kartının pcb üzerine yerleşim yönüne dikkat edin.  
ters yerleştirmeyin!



