



Aselsan Mesleki ve  
Teknik Anadolu Lisesi

# STM32 DEVRE KARTI

Mehmet Akif Ateş

11/A

686



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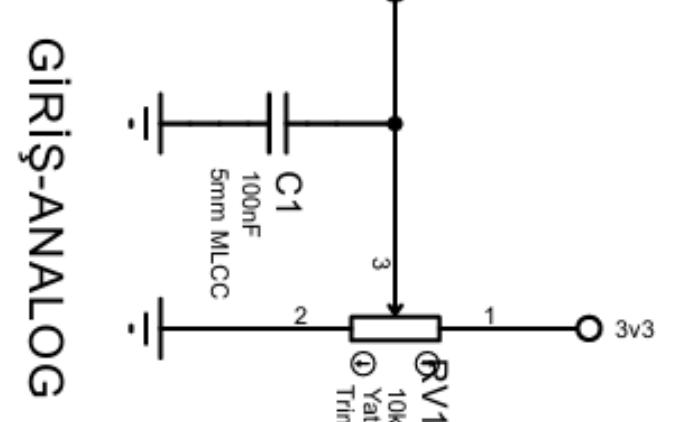
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9

R11  
10k 1/4W DIPR12  
10k 1/4W DIPR12  
10k 1/4W DIPR14  
1k 1/4W DIPQ1  
BC338 TO92 PaketBUZZER BUZ1  
5v 12mm Devreli Buzzer

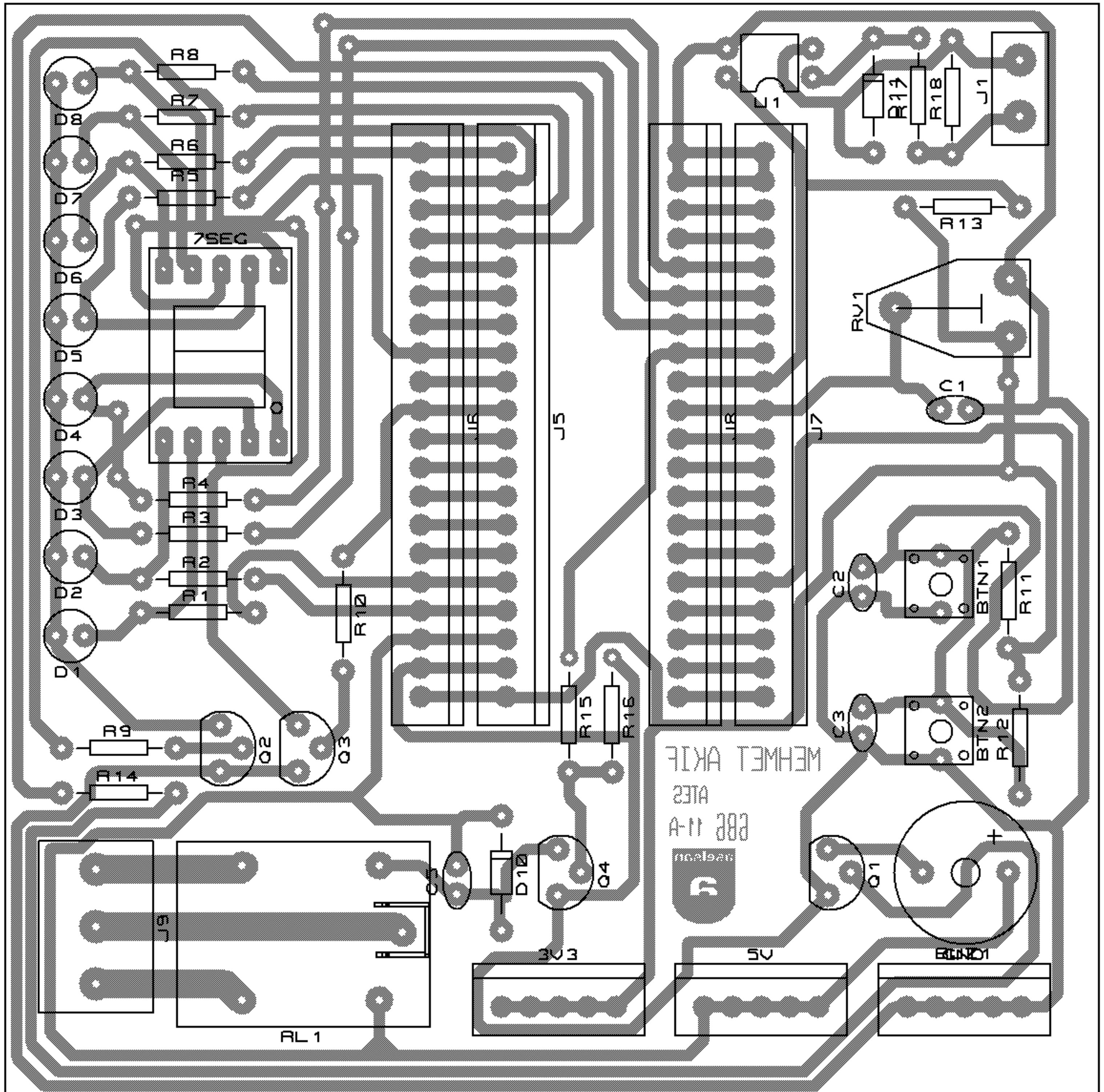
5v

3v3

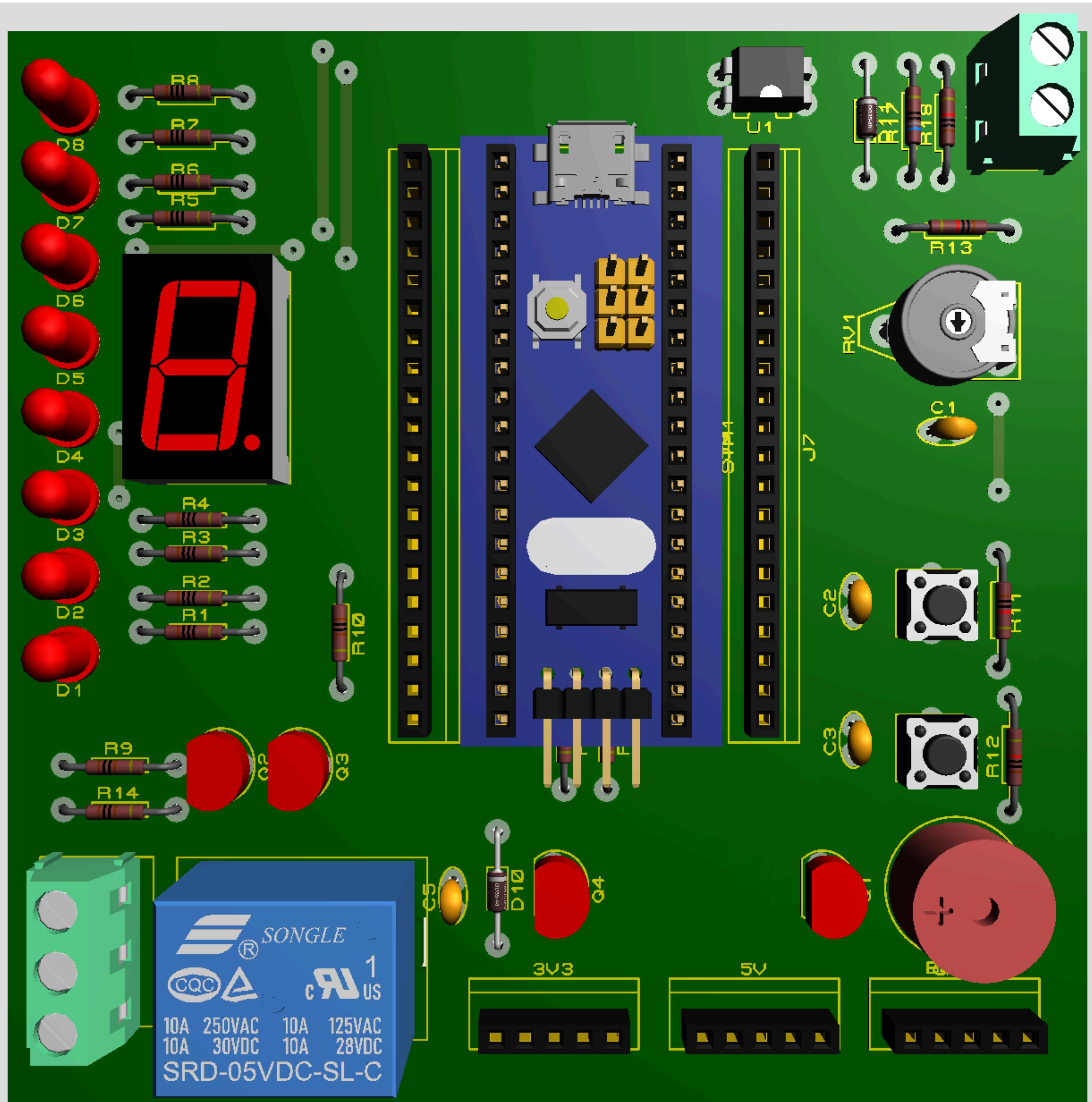
R11  
10k 1/4W DIPR12  
10k 1/4W DIPR12  
10k 1/4W DIPR14  
1k 1/4W DIPQ1  
BC338 TO92 PaketBUZZER BUZ1  
5v 12mm Devreli Buzzer

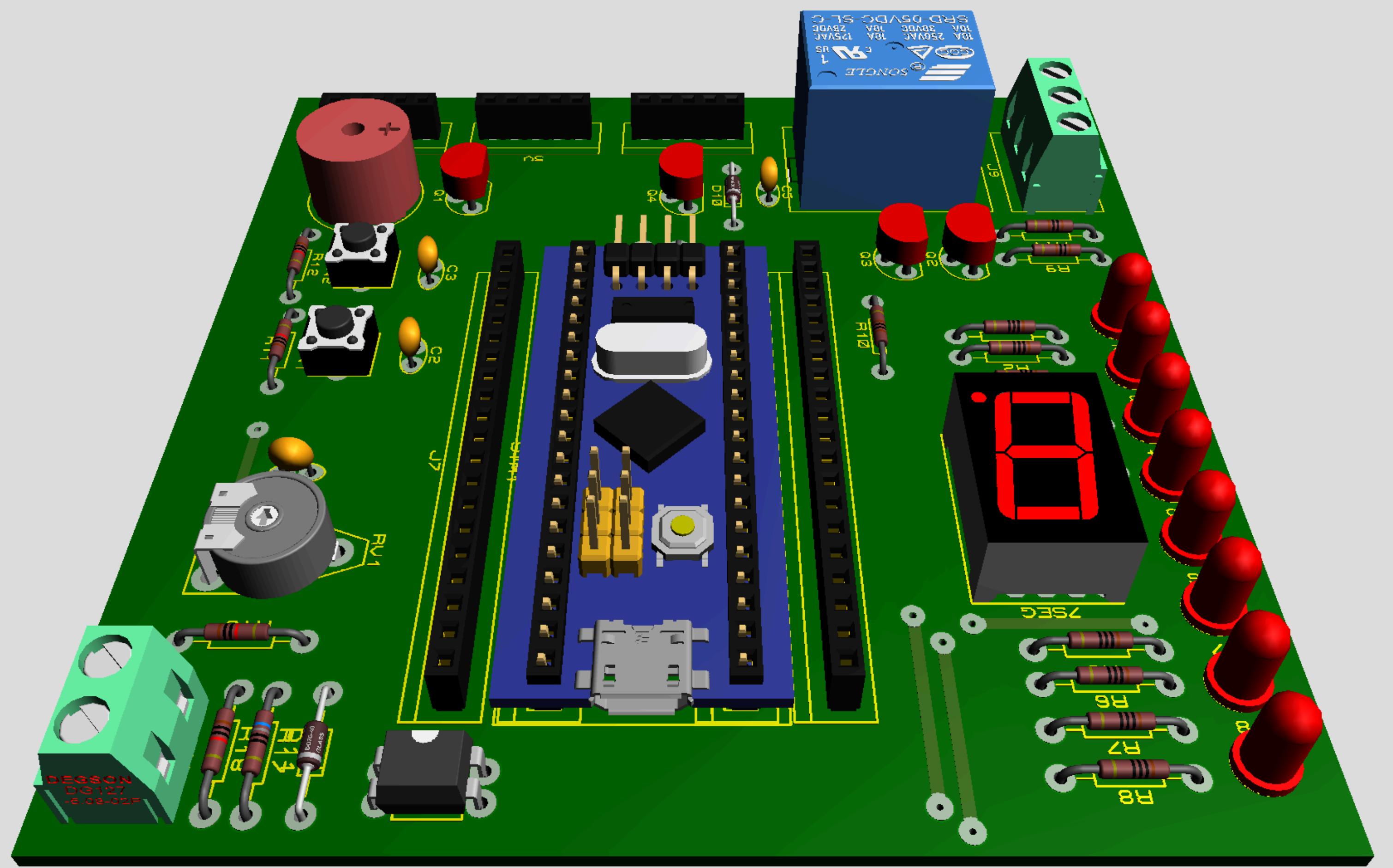
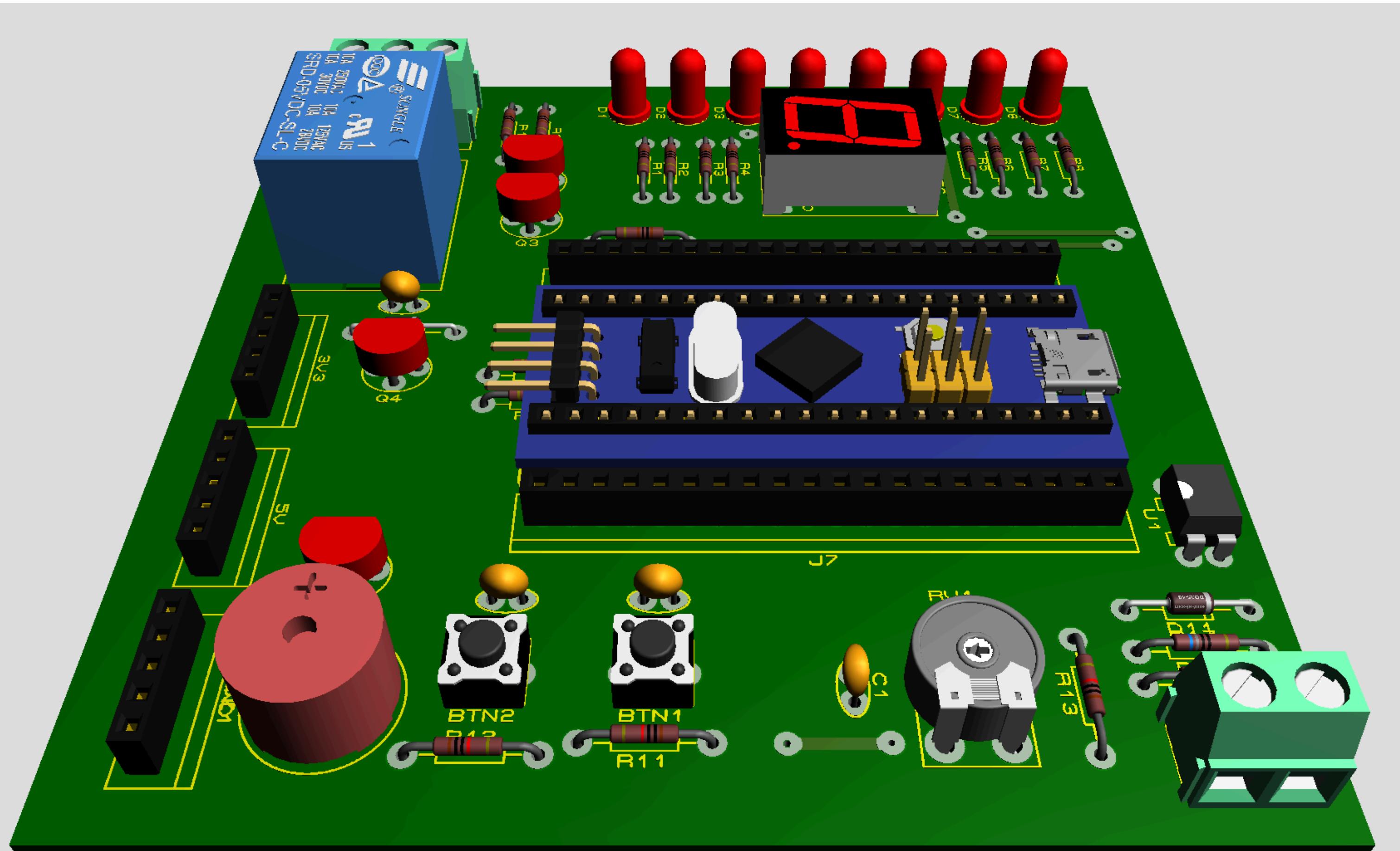
5v

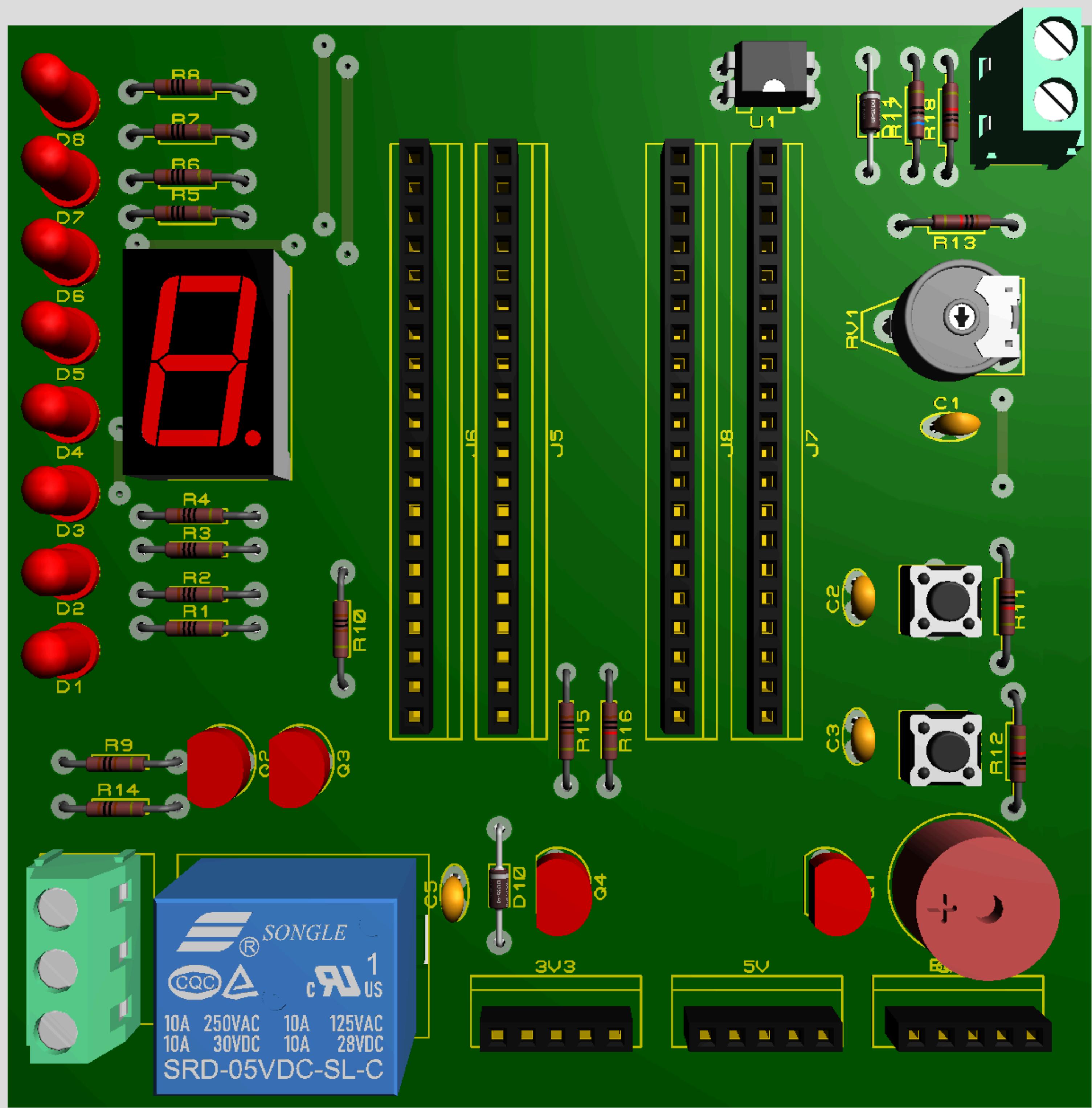
3v3

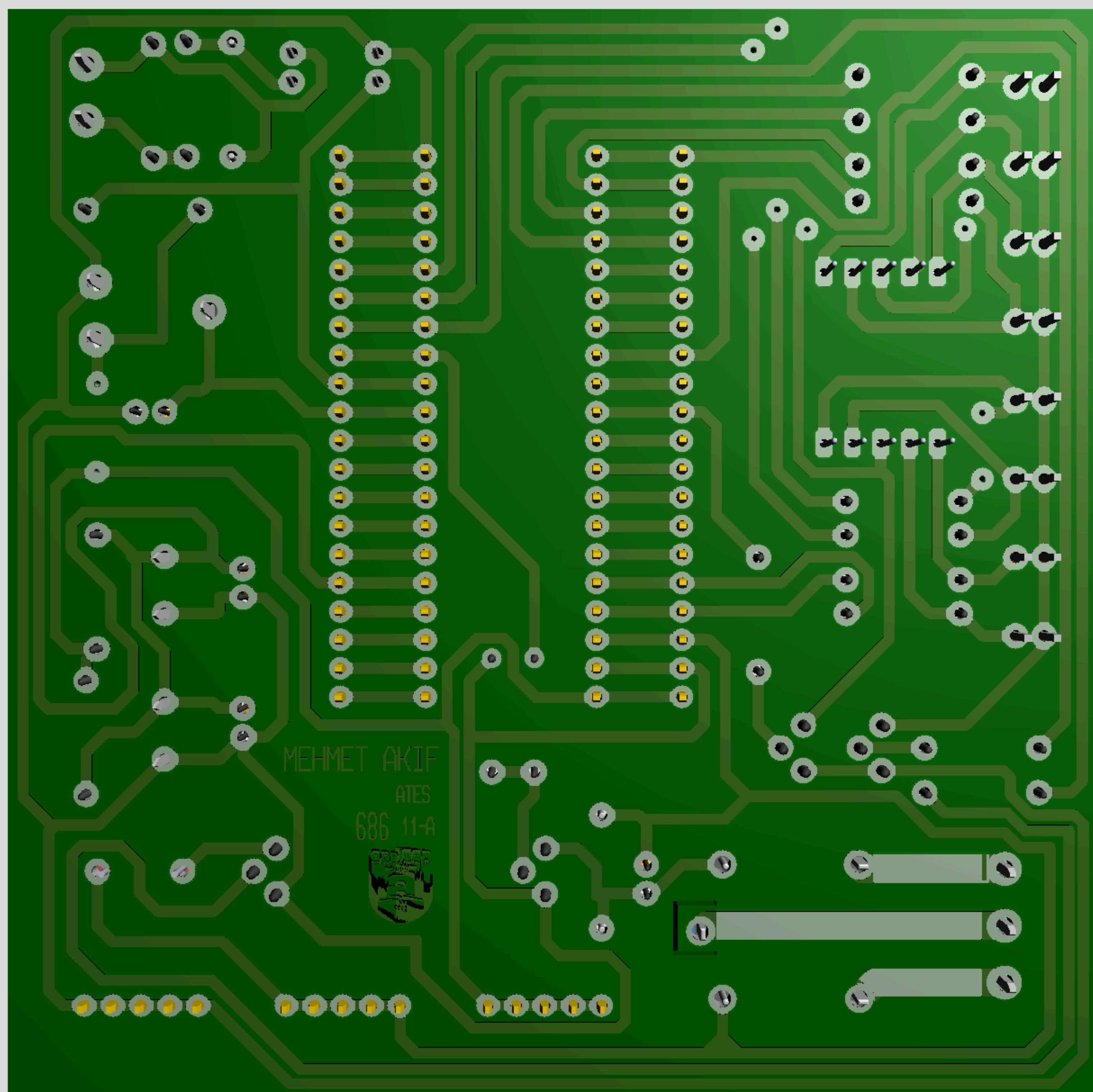


## YERLEŞİM PLANI (OVERLAY)









# Bill Of Materials for 686 PCB TASARIM

**Design Title** 686 PCB TASARIM

**Author**

**Document Number**

**Revision**

**Design Created** 13 Kasım 2025 Perşembe

**Design Last Modified** 14 Kasım 2025 Cuma

**Total Parts In Design** 53

## 0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:				₺0,00

## 4 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	C1-C3,C5	100nF		

Sub-totals:

## 18 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
8	R1-R8	100R		

4	R9-R10,R14-R15	1k		
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5	R11-R13,R16,R18	10k		
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1	R17	680		
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Sub-totals:

## 1 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1	PC817		

Sub-totals:

## 4 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	Q1-Q4	BC338		

Sub-totals:

## 11 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
8	D1-D8	LED		

1	D9	7_SEG_CC_14MM		
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2	D10-D11	1N4148		
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Sub-totals:

## 15 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	3V3,GND	1x5 PIN		

1	5V	1x5 PIN		
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2	BTN1-BTN2	6mmx6mm		
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1	BUZ1	BUZZER		
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2	J1,J9	0 no veya 1 no		
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4	J5-J8	1x20 PIN		
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1	RL1	5V RÖLE		
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1	RV1	10k		
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1	STM1	STM32F103C8T6		
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Sub-totals:

Totals:

₺0,00

# Malzeme Listesi

14 Kasım 2025 Cuma 11:55