



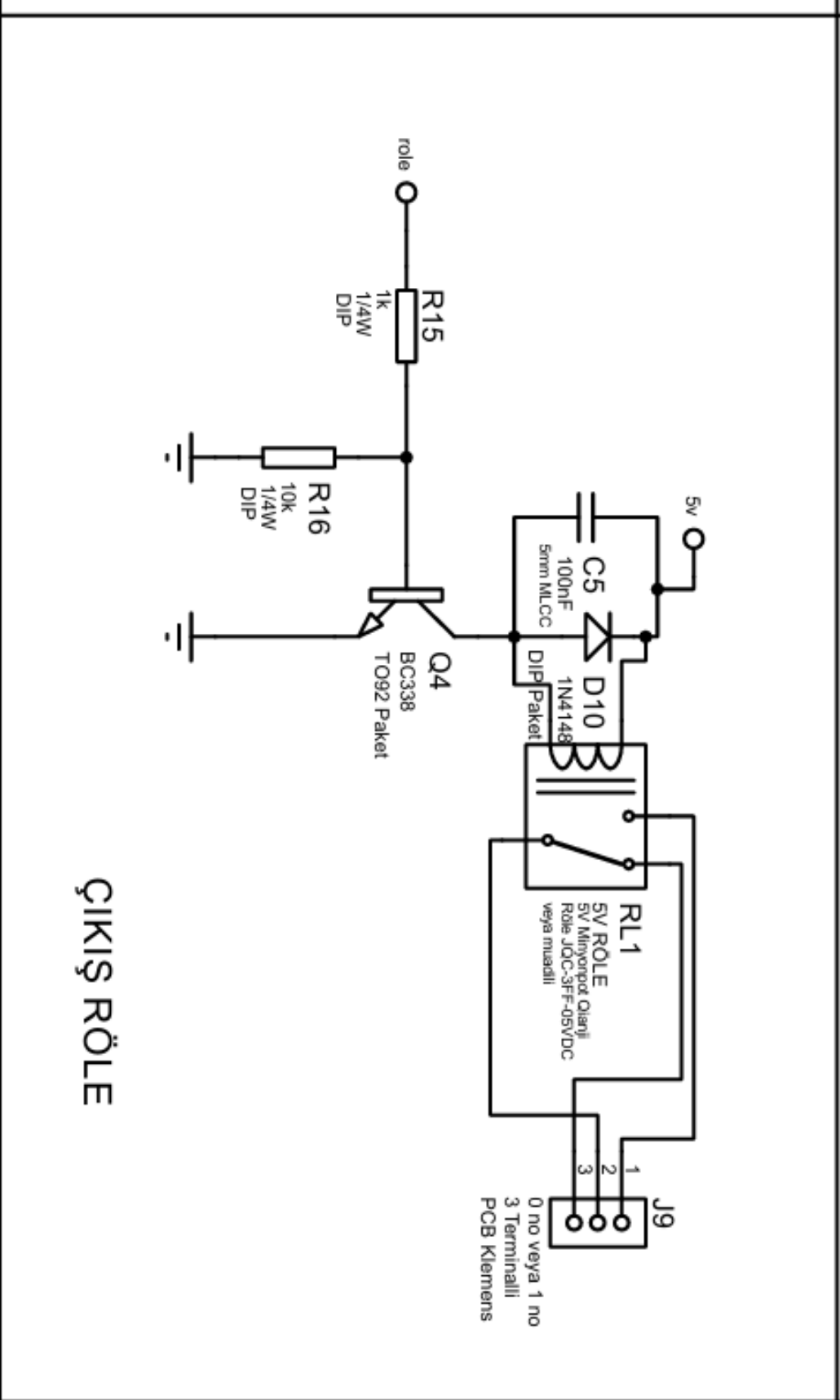
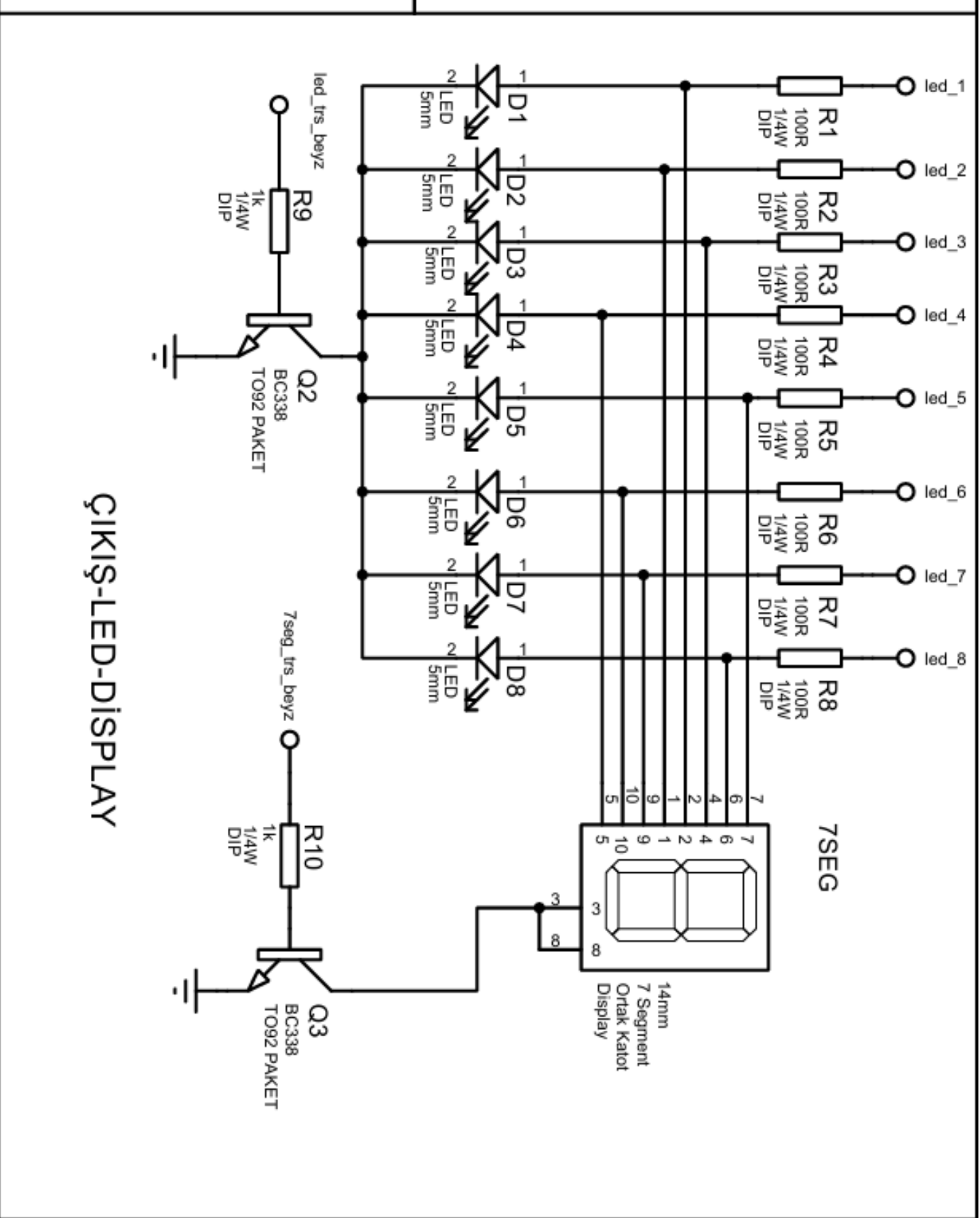
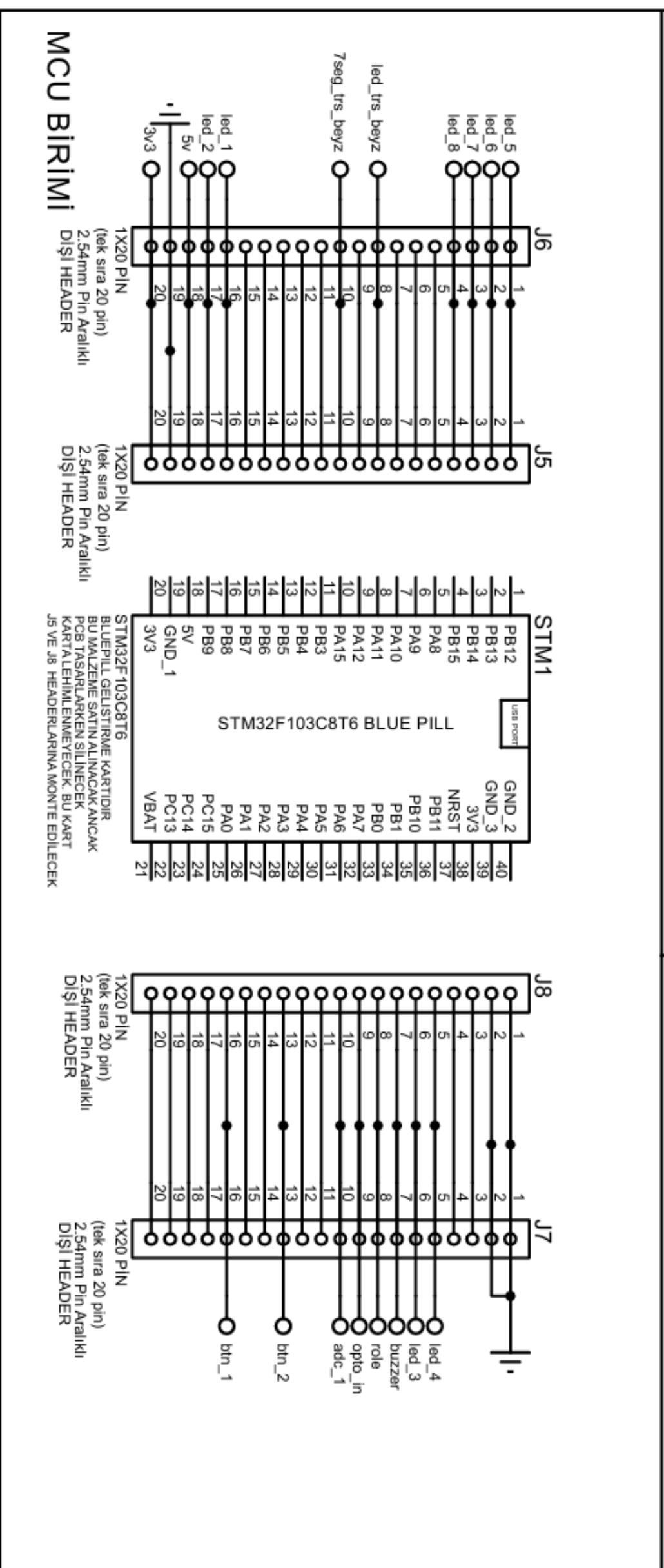
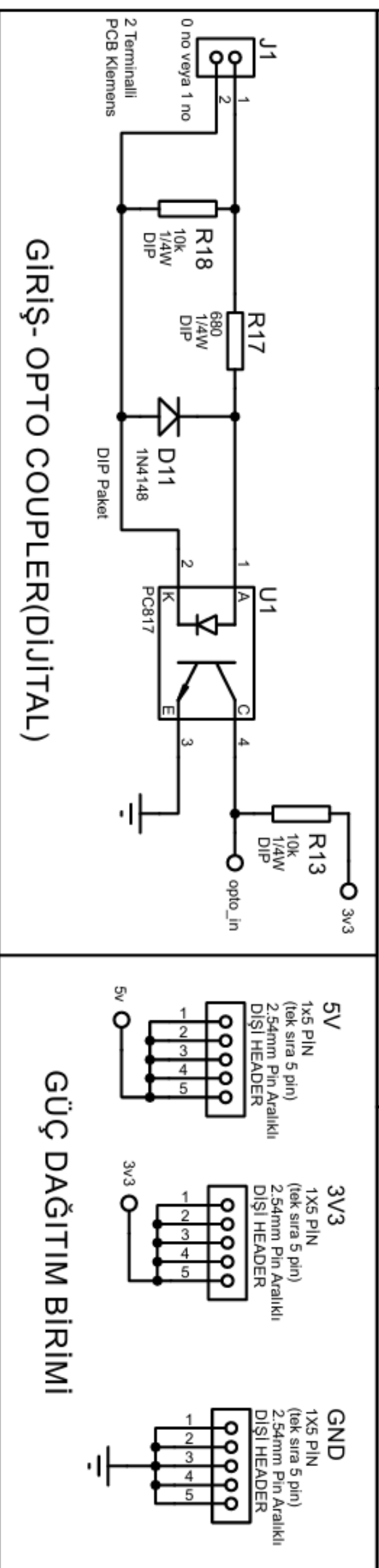
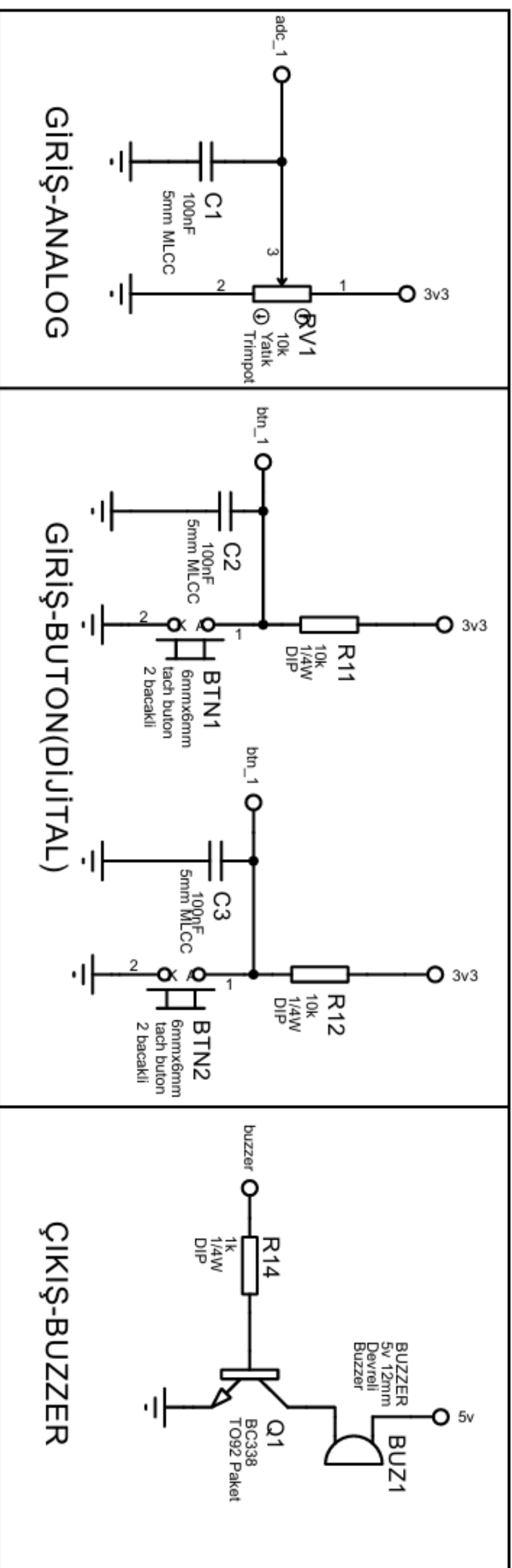
Aselsan Mesleki ve  
Teknin Anadolu Lisesi

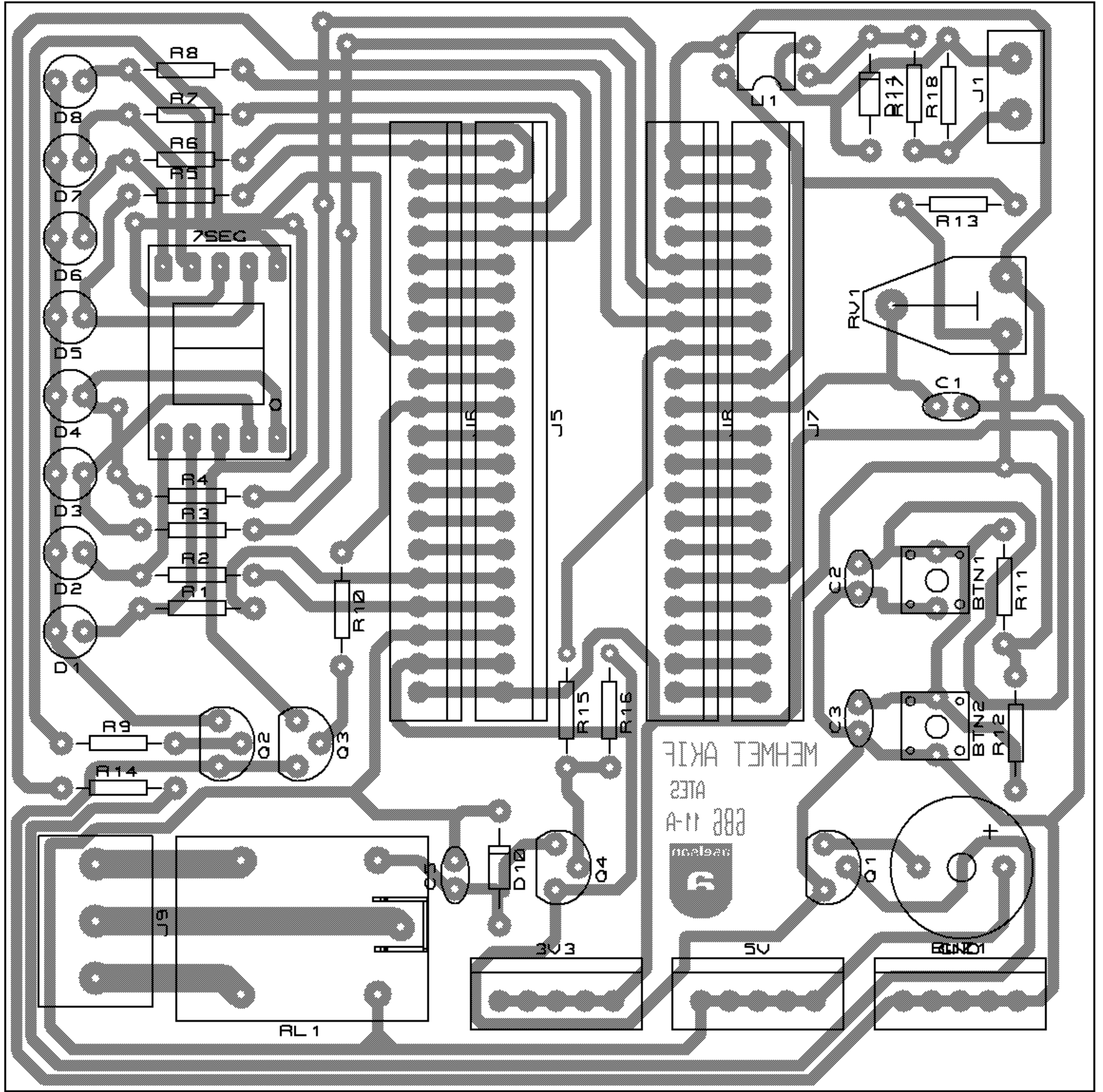
# STM32 DEVRE KARTI

Mehmet Akif Ateş

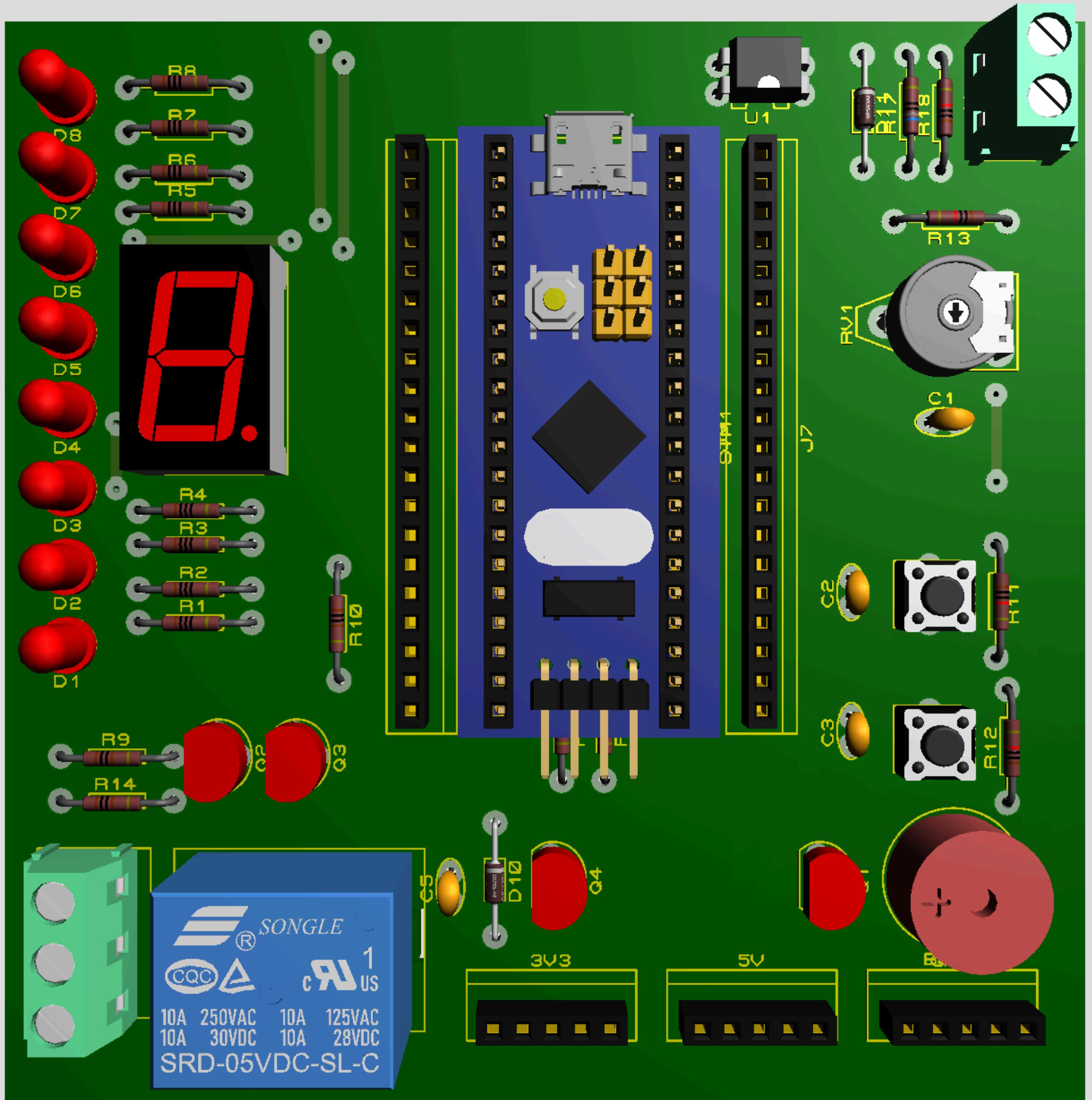
11/A

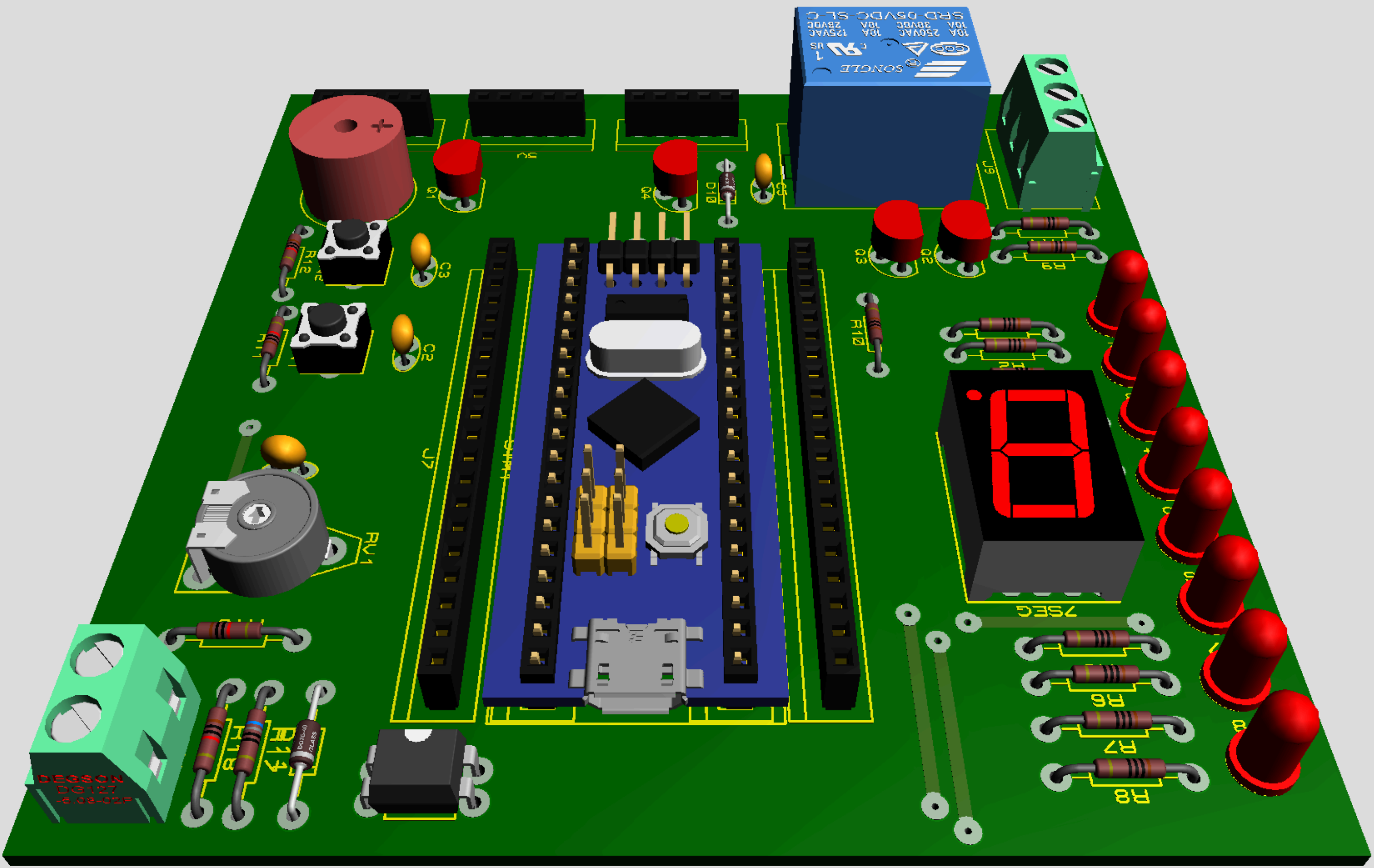
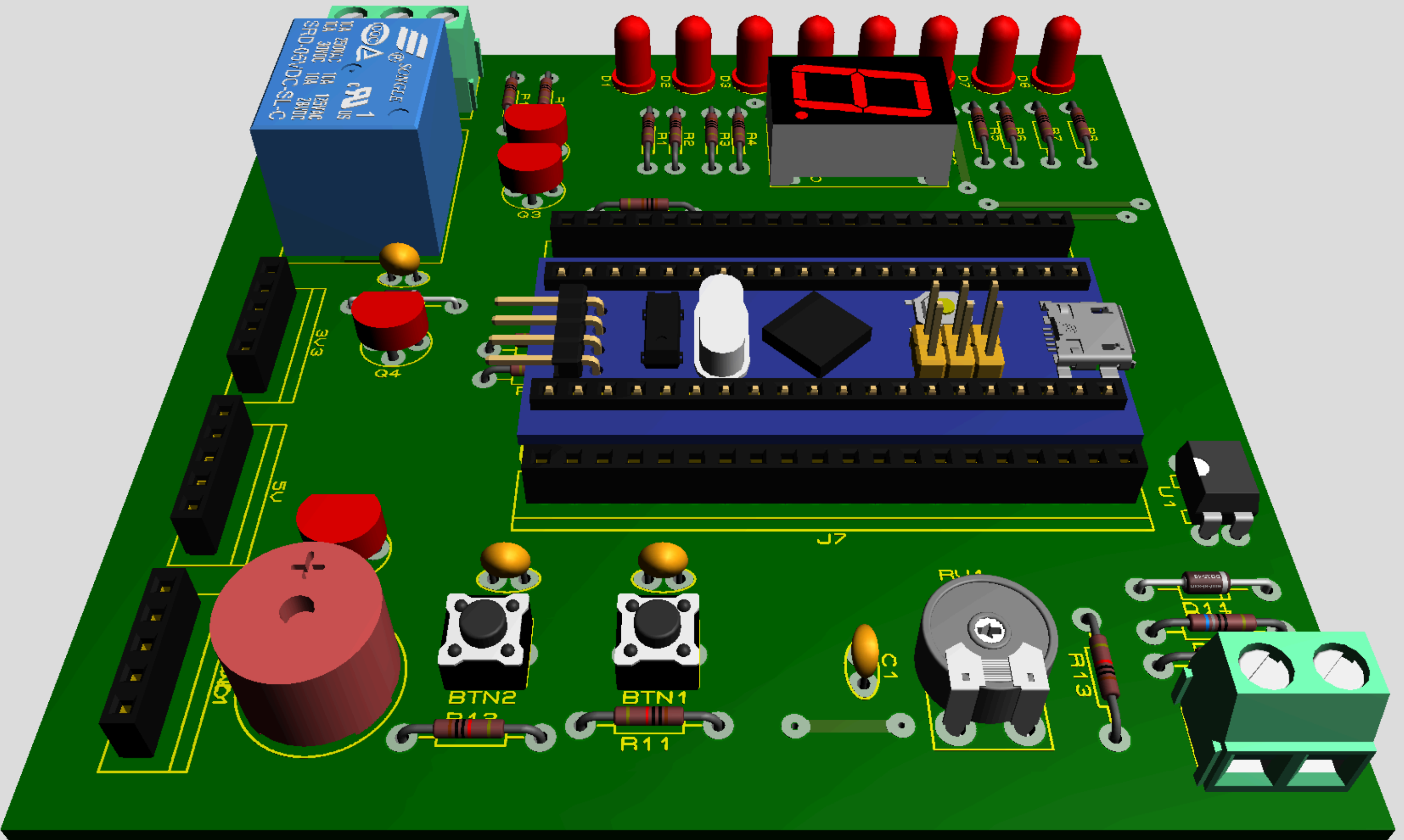
686

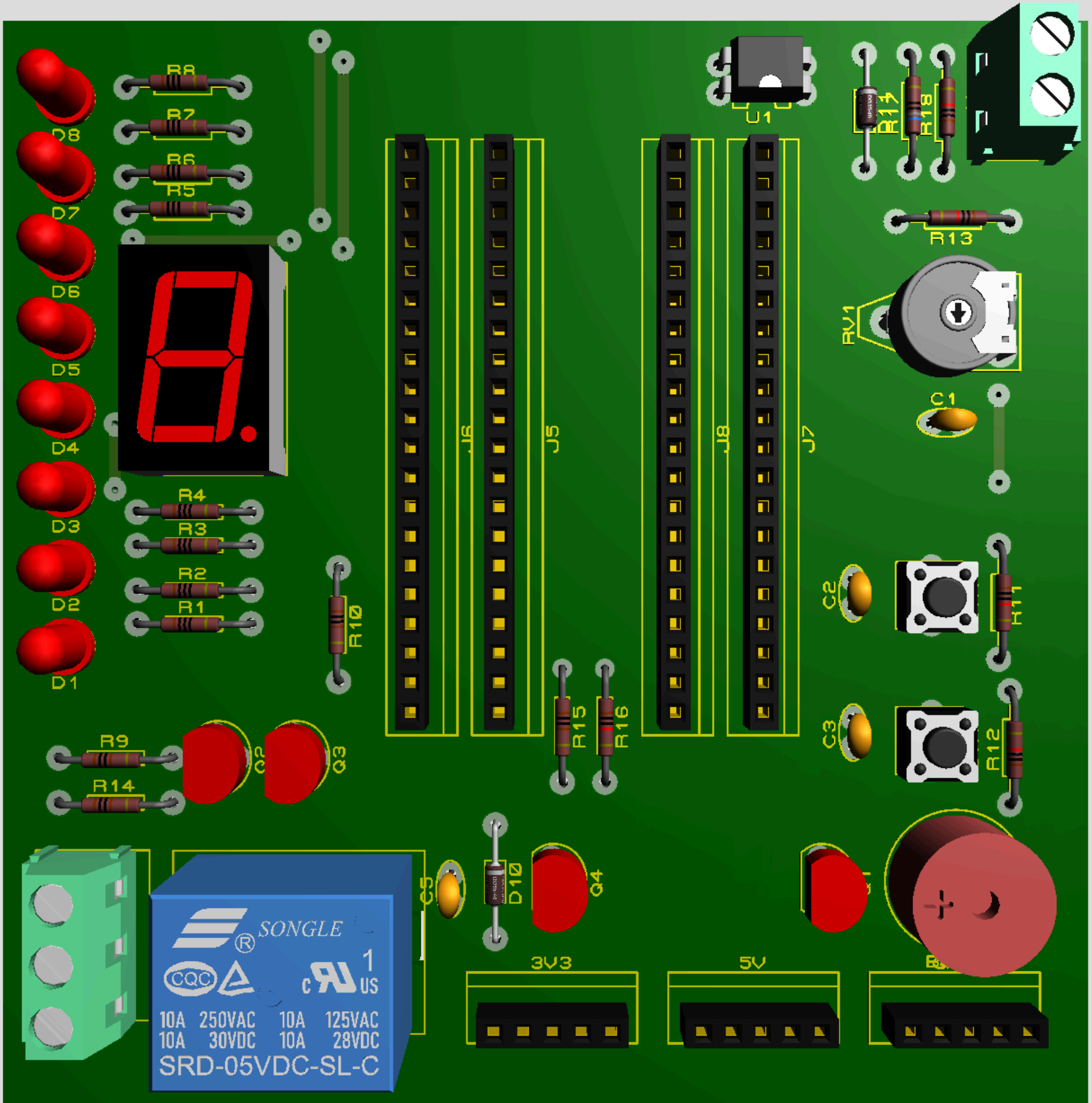


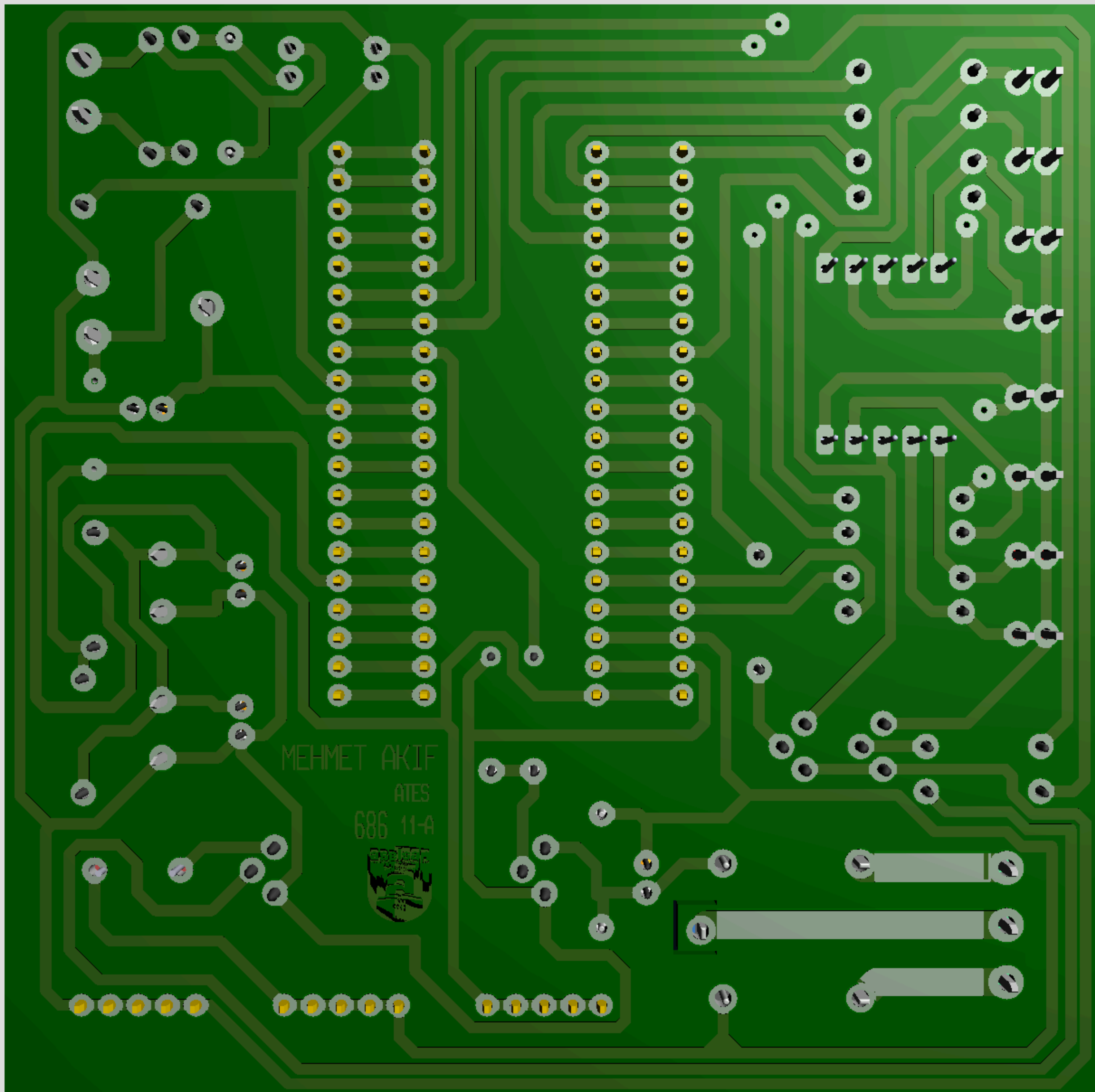


**YERLEŞİM PLANI (OVERLAY)**









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				
Quantity	References	Value	Stock Code	Unit Cost
Sub-totals:				₺0,00
4 Capacitors				
Quantity	References	Value	Stock Code	Unit Cost
4	C1-C3,C5	100nF		
Sub-totals:				₺0,00
18 Resistors				
Quantity	References	Value	Stock Code	Unit Cost
8	R1-R8	100R		
4	R9-R10,R14-R15	1k		
5	R11-R13,R16,R18	10k		
1	R17	680		
Sub-totals:				₺0,00
1 Integrated Circuits				
Quantity	References	Value	Stock Code	Unit Cost
1	U1	PC817		
Sub-totals:				₺0,00
4 Transistors				
Quantity	References	Value	Stock Code	Unit Cost
4	Q1-Q4	BC338		
Sub-totals:				₺0,00
11 Diodes				
Quantity	References	Value	Stock Code	Unit Cost
8	D1-D8	LED		
1	D9	7_SEG_CC_14MM		
2	D10-D11	1N4148		
Sub-totals:				₺0,00
15 Miscellaneous				
Quantity	References	Value	Stock Code	Unit Cost
2	3V3,GND	1X5 PİN		
1	5V	1x5 PİN		
2	BTN1-BTN2	6mmx6mm		
1	BUZ1	BUZZER		
2	J1,J9	0 no veya 1 no		
4	J5-J8	1X20 PİN		
1	RL1	5V RÖLE		
1	RV1	10k		
1	STM1	STM32F103C8T6		
Sub-totals:				₺0,00
Totals:				₺0,00

Malzeme Listesi