ASELSAN MESLEKİ TEKNİK VE ANADOLU LİSESİ

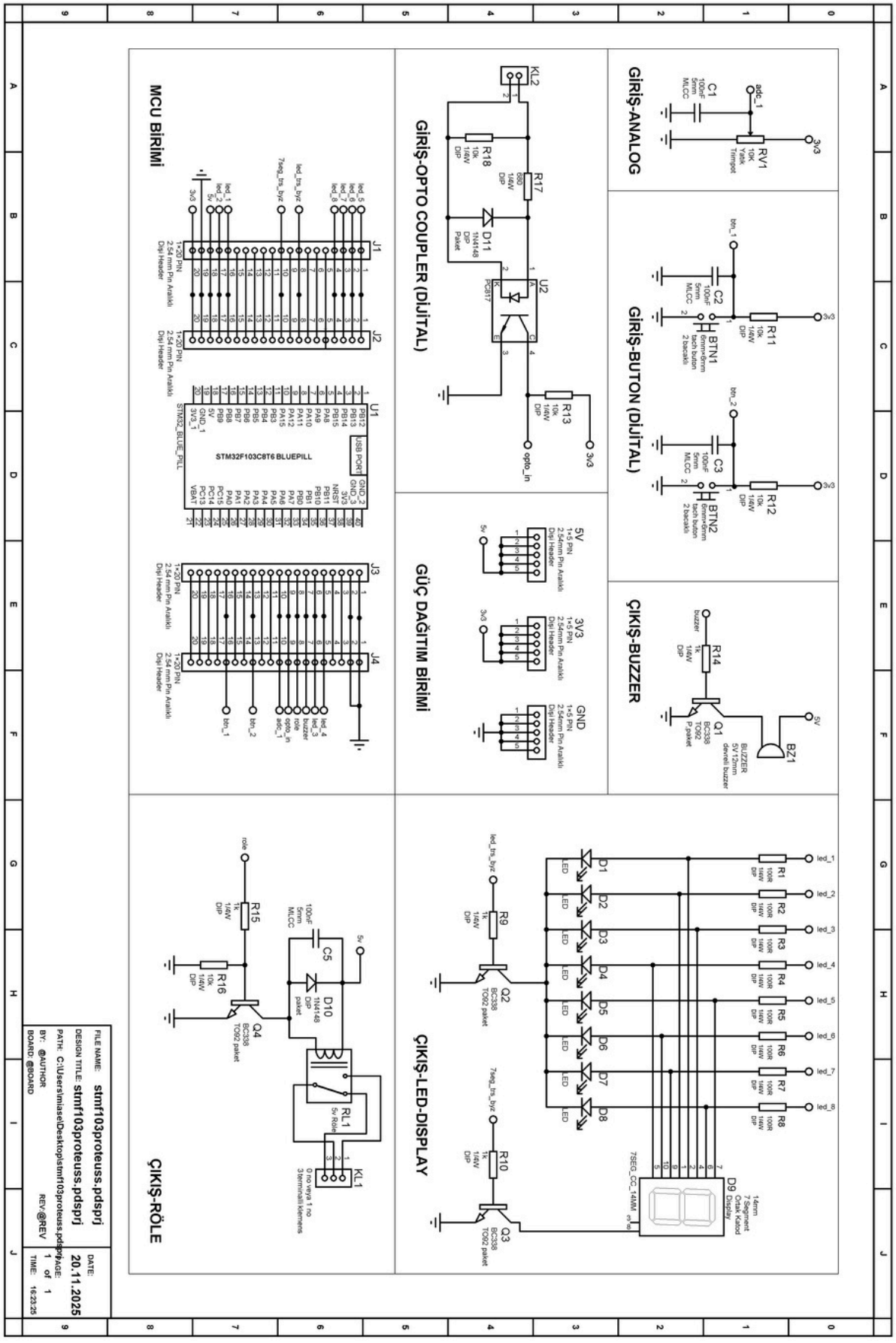
İSİM:**Fatma Asra Sevinç**

SINIF:**11-B**

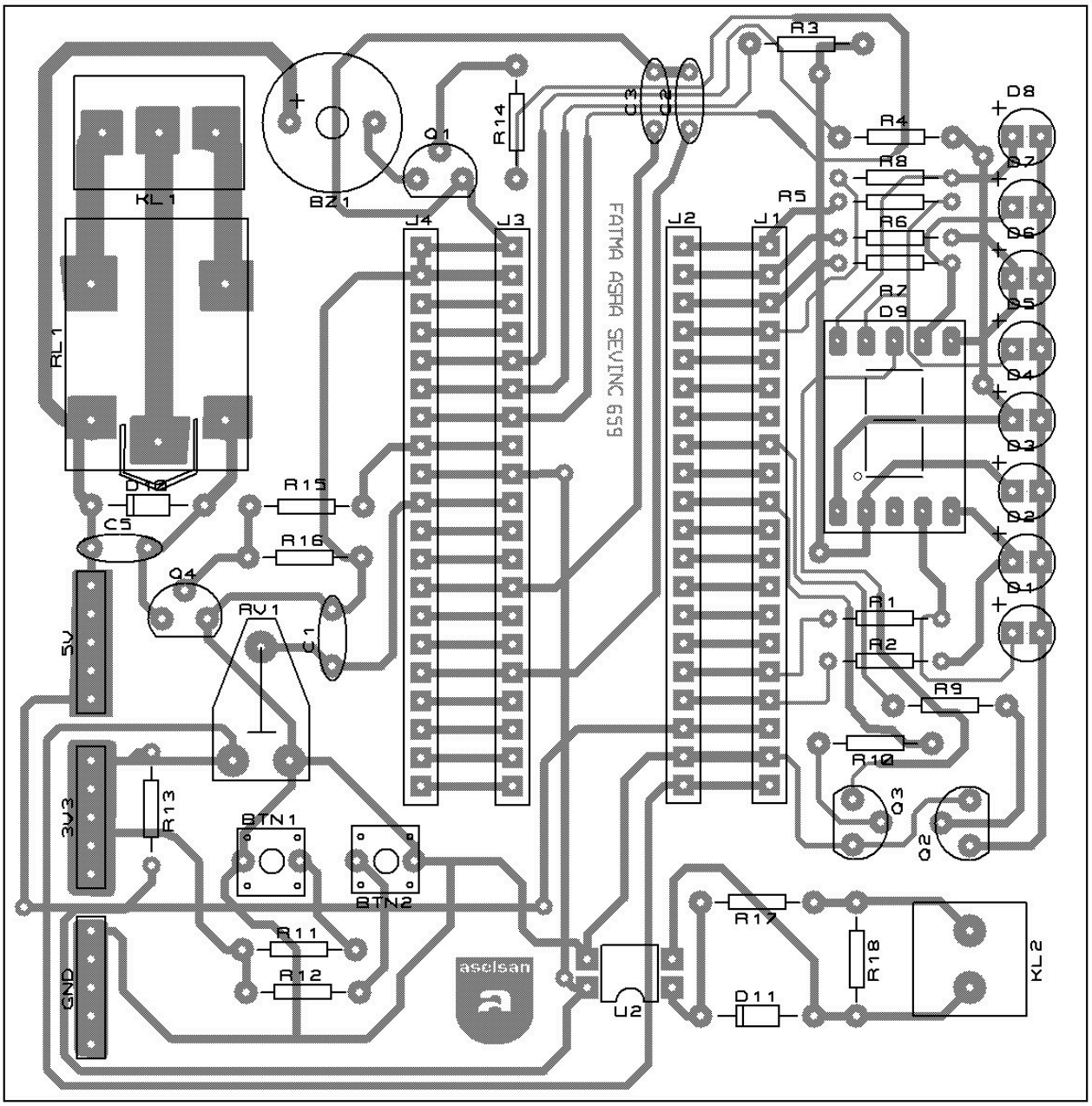
NUMARA:**659**

DERS ÖĞRETMENİ:**MUSTAFA SEYHAN**

STM32F103 MİKRODENETLEYİCİ KART



DEVRE ŞEMASI



YERLEŞİM PLANI (OVERLAY)

Bill Of Materials for stmf103proteuss

Design Title	stmf103proteuss
Author	
Document Number	
Revision	
Design Created	20 Kasım 2025 Perşembe
Design Last Modified	20 Kasım 2025 Perşembe
Total Parts In Design	53

4 Capacitors

Quantity	References	Value	Stock Code	Unit Cost
4	C1-C3,C5	100nF	Farnell 317-287	
Sub-totals:				₺0,00

0 Modules

Quantity	References	Value	Stock Code	Unit Cost
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

2 Integrated Circuits

Quantity	References	Value	Stock Code	Unit Cost
1	U1	STM32_BLUE_PILL		
1	U2	PC817		
Sub-totals:				₺0,00

4 Transistors

Quantity	References	Value	Stock Code	Unit Cost
4	Q1-Q4	BC338		
Sub-totals:				₺0,00

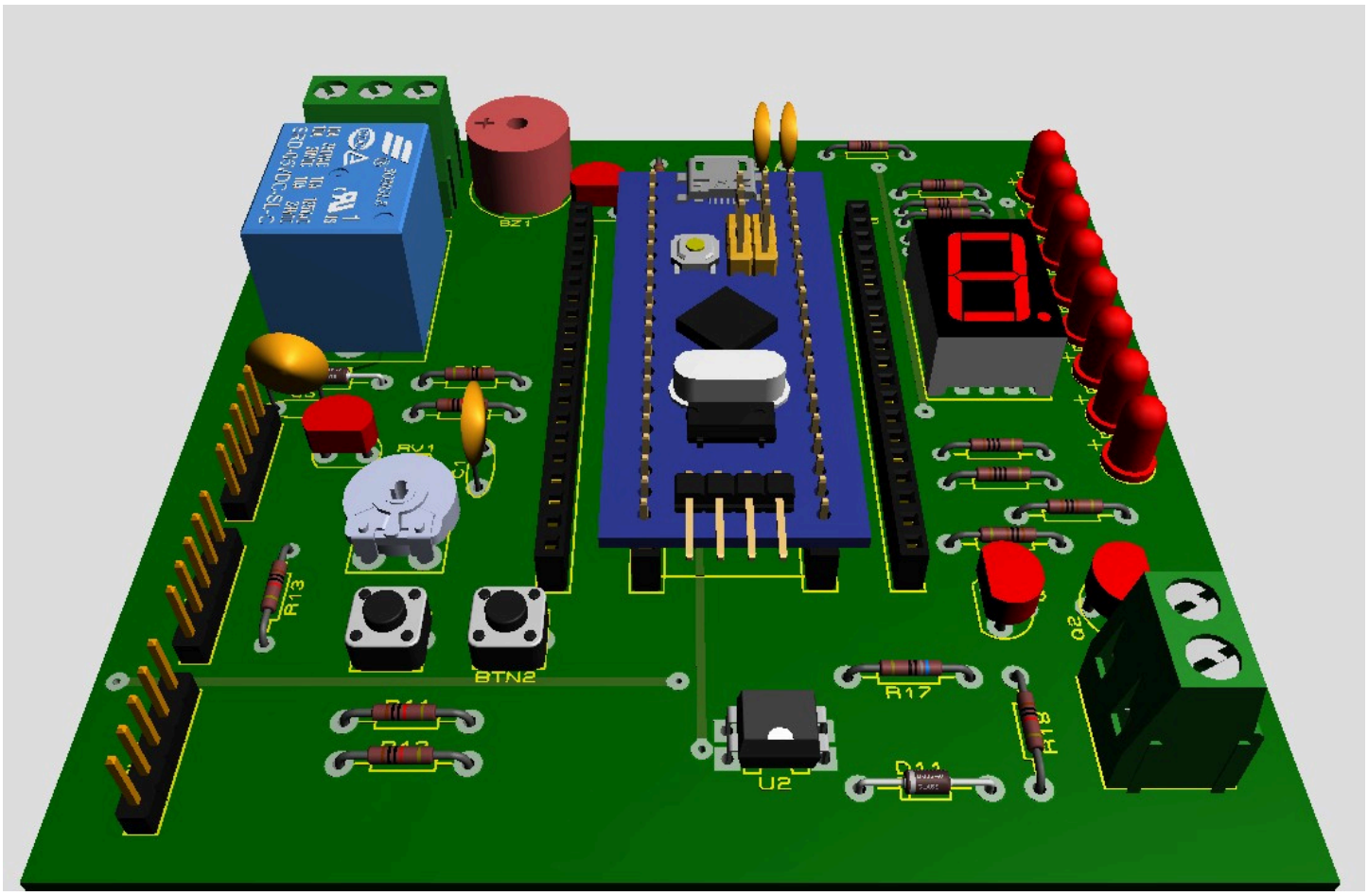
11 Diodes

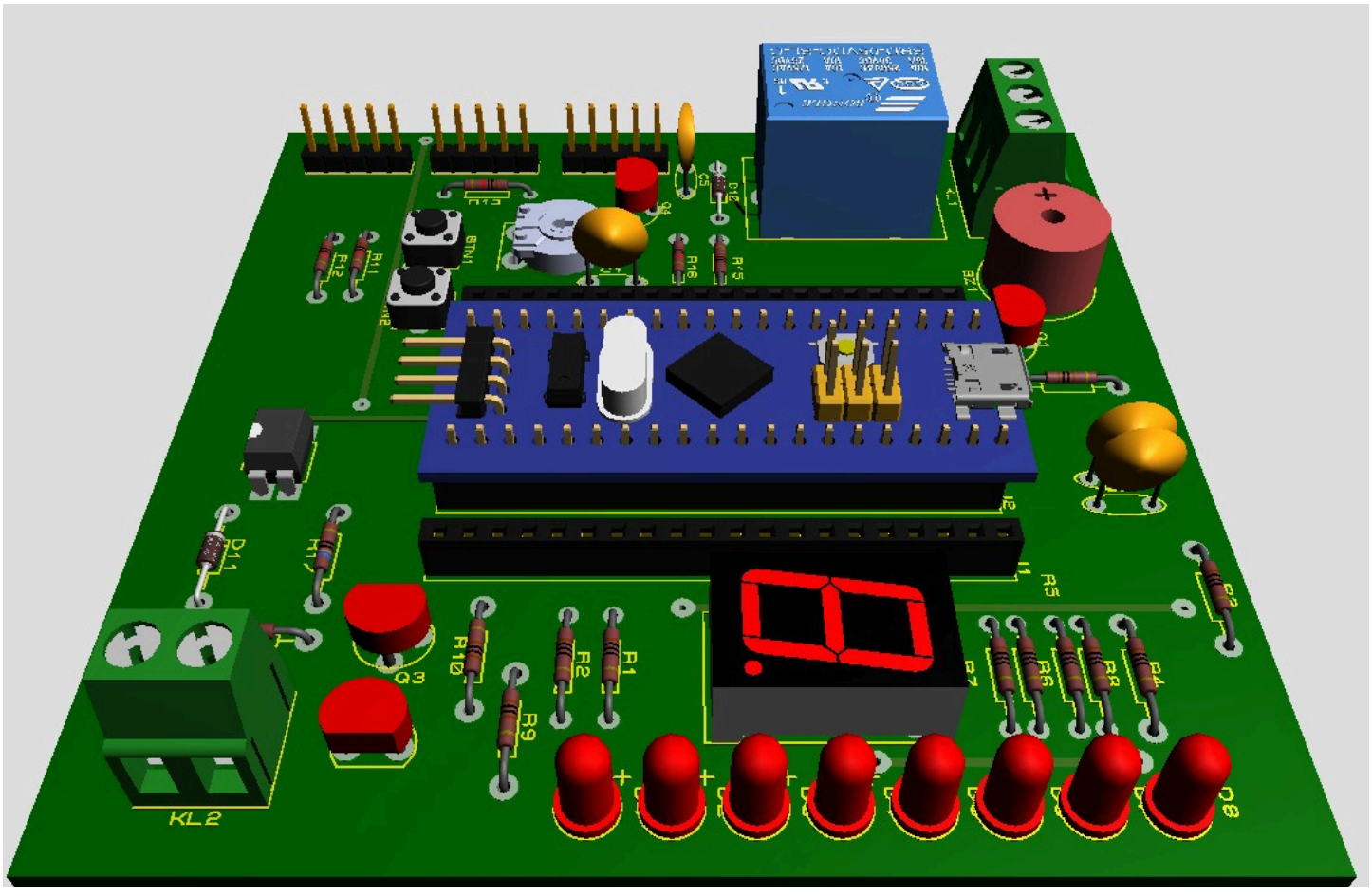
Quantity	References	Value	Stock Code	Unit Cost
8	D1-D8	LED		
1	D9	7SEG_CC_14MM		
2	D10-D11	1N4148		
Sub-totals:				₺0,00

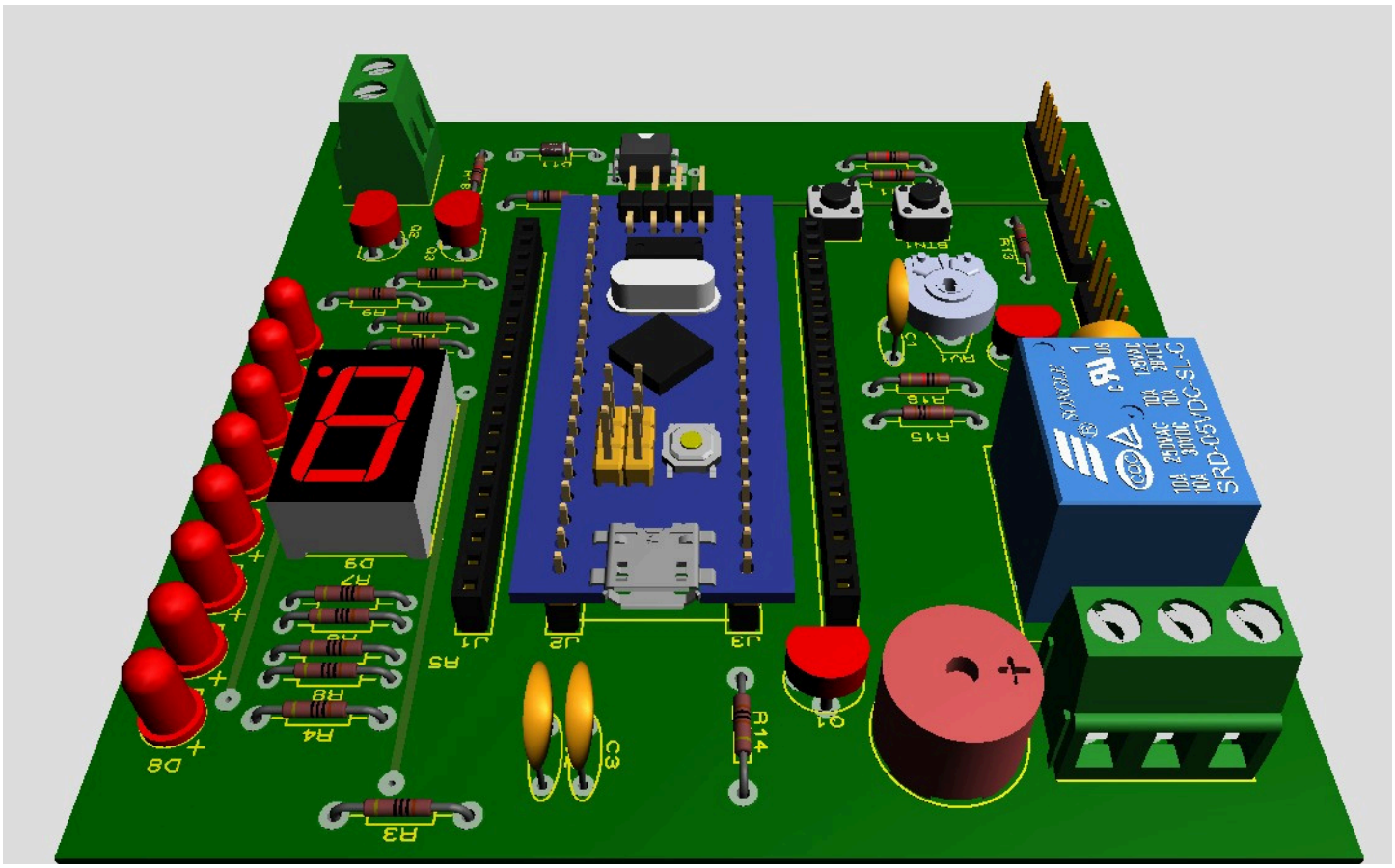
14 Miscellaneous

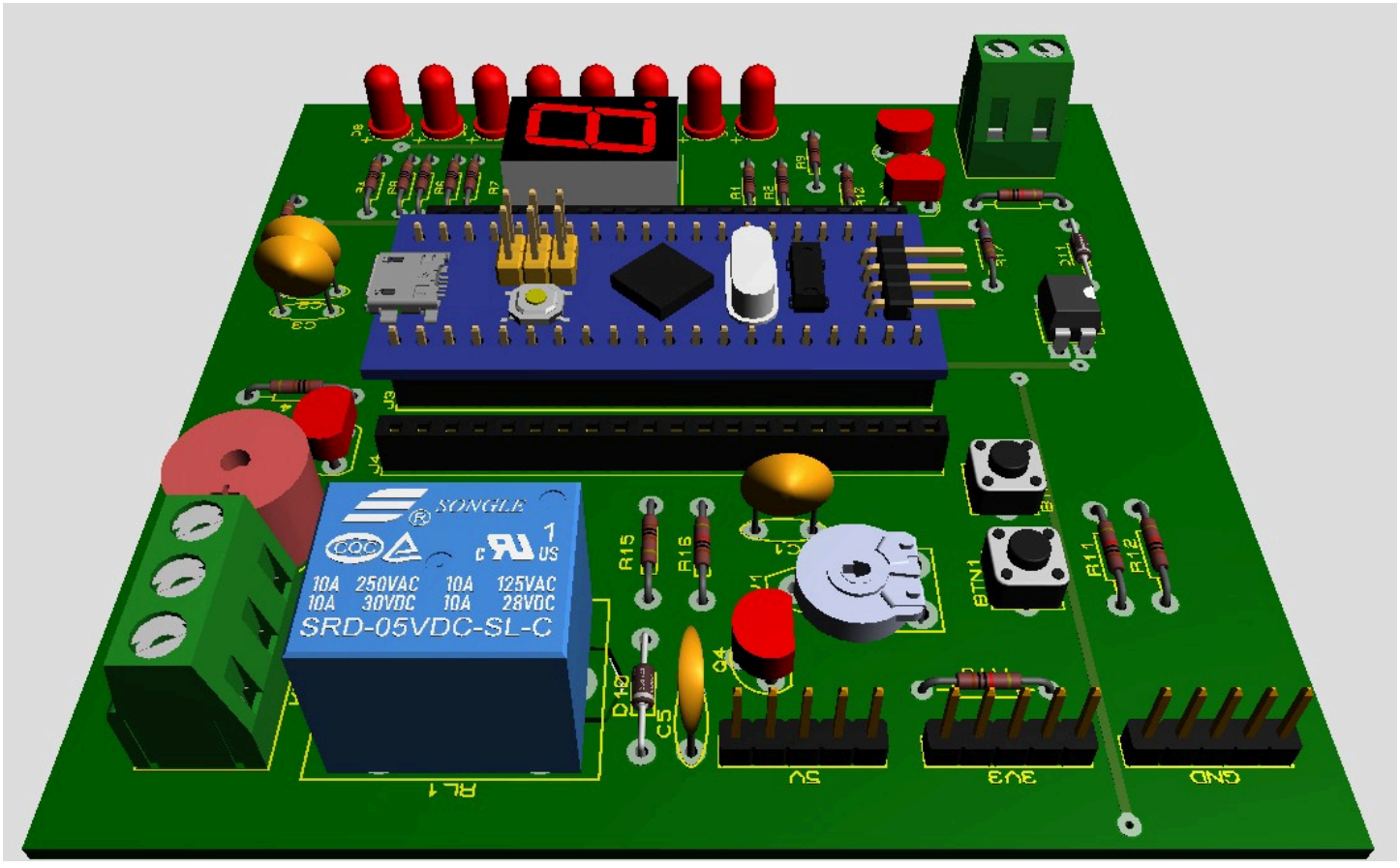
Quantity	References	Value	Stock Code	Unit Cost
3	3V3,5V,GND		NorComp 26630501RP2	
5	BTN1-BTN2,BZ1,KL1-KL2			
4	J1-J4		NorComp 25632001RP2	
1	RL1	5v Röle		
1	RV1	10K	Digikey 3214G-103EDKR-ND	

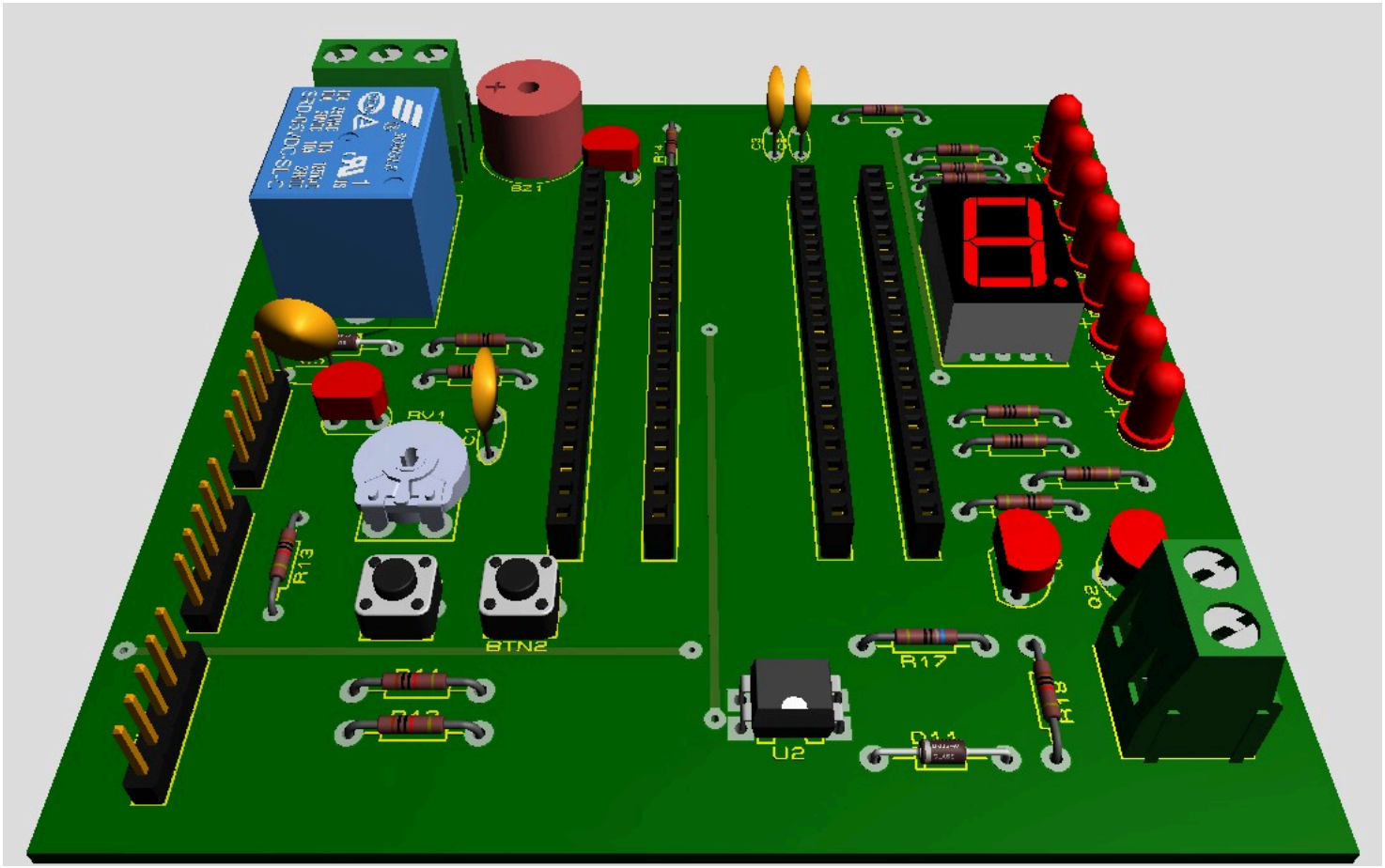
MALZEME LİSTESİ (BILL OF MATERIALS)


BZ1
RV1
R13
BTN2
R17
R18
U2
Q2

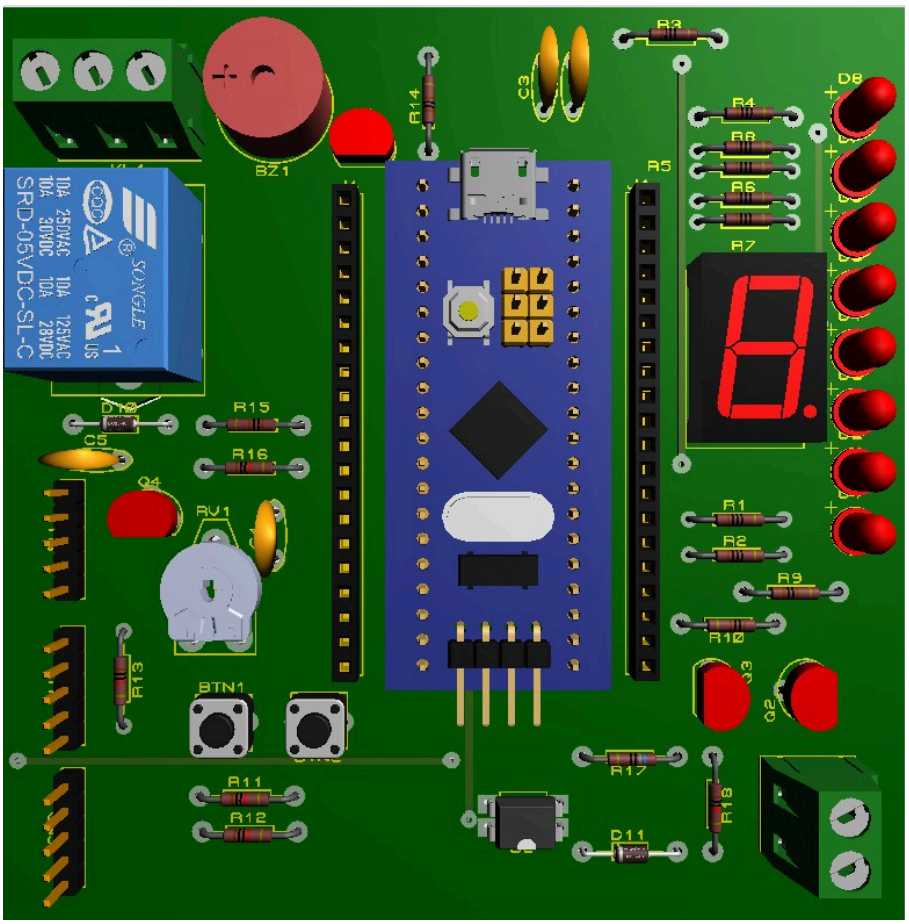
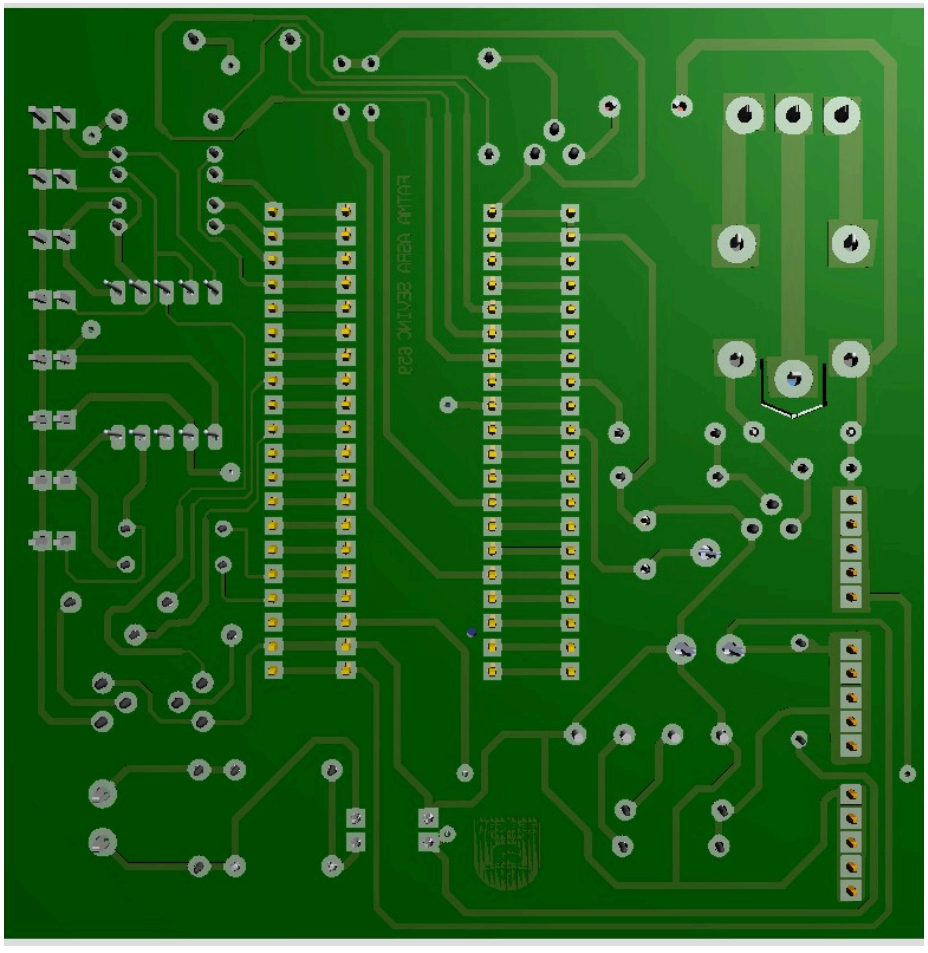

R13
BTN1
R11
R12
R16
R15
BZ1
D11
R17
Q3
R10
R2
R1
R9
R5
R7
R6
R8
R4
KL2
Q8


SONGLE
SRD-05VDC-SL-C
10A 250VAC 10A 125VAC
10A 30VDC 10A 28VDC
D8
D9
R3
R4
R5
R7
R8
R9
R14
R15
R16
J1
J2
J3
C3
Q1
BTN1


SONGLE
10A 250VAC 10A 125VAC
10A 30VDC 10A 28VDC
SRD-05VDC-SL-C
RL1
R15
R16
C5
Q4
BTN1
R11
R12
5V
3V3
GND



RV1
R13
BTN2
R17
U2
Q2


SRD-05VDC-SL-C
BZ1
R14
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D8
R4
R8
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R7
R15
C5
R16
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R17
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R11
R12
D11