



# STM32 GELİŞTİRME KARTI

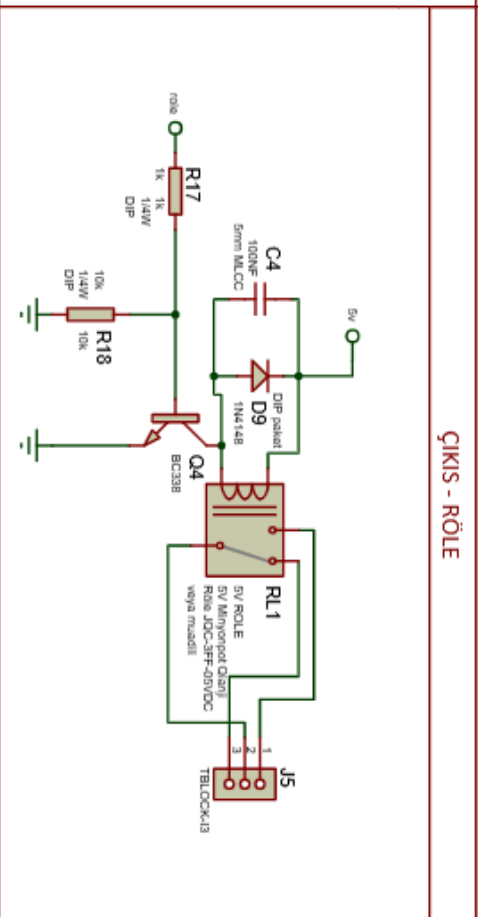
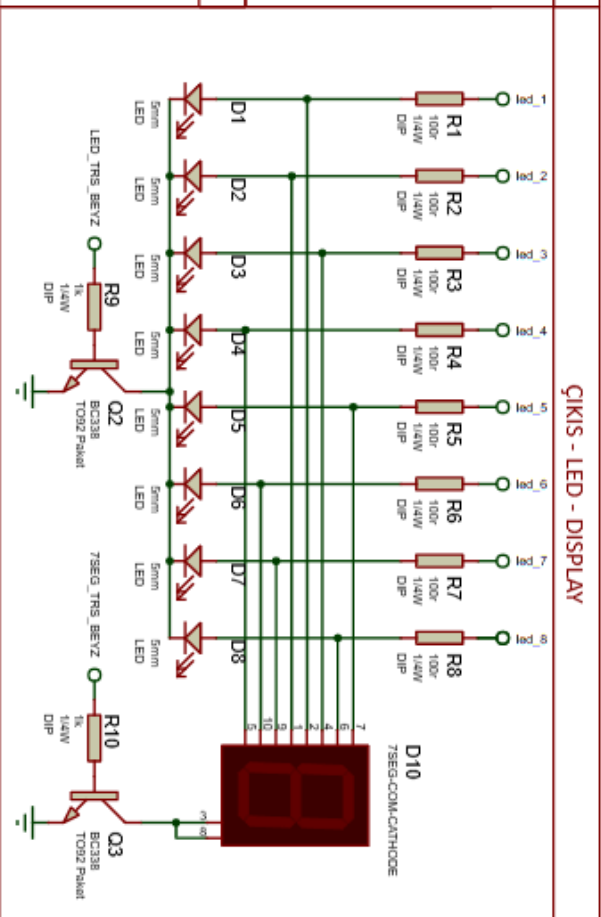
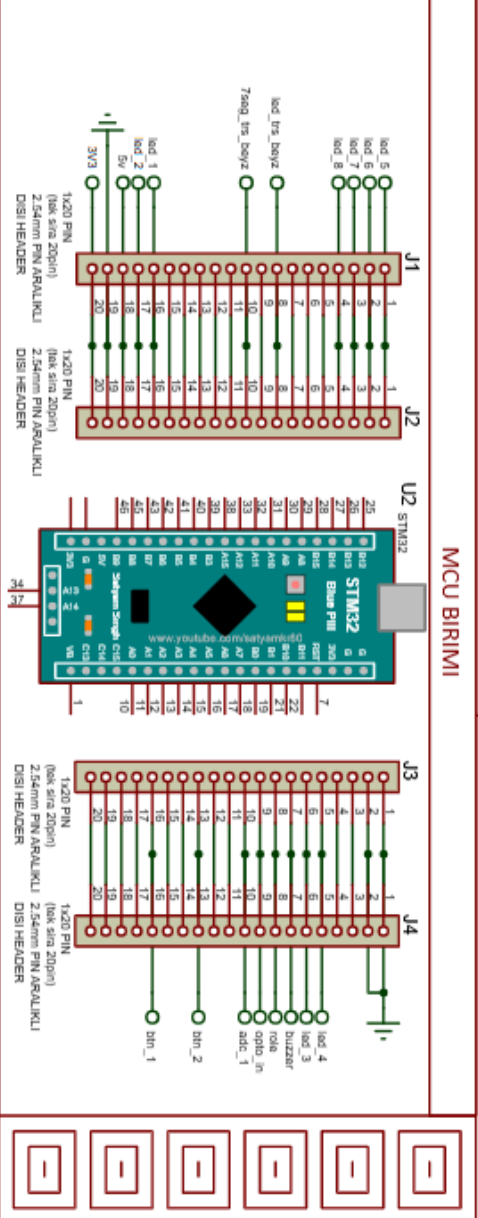
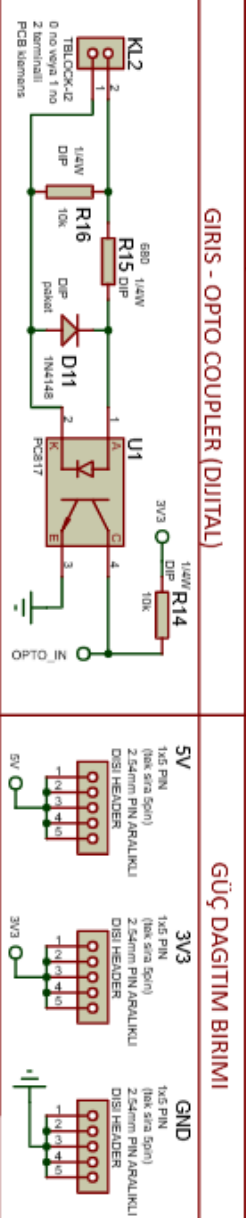
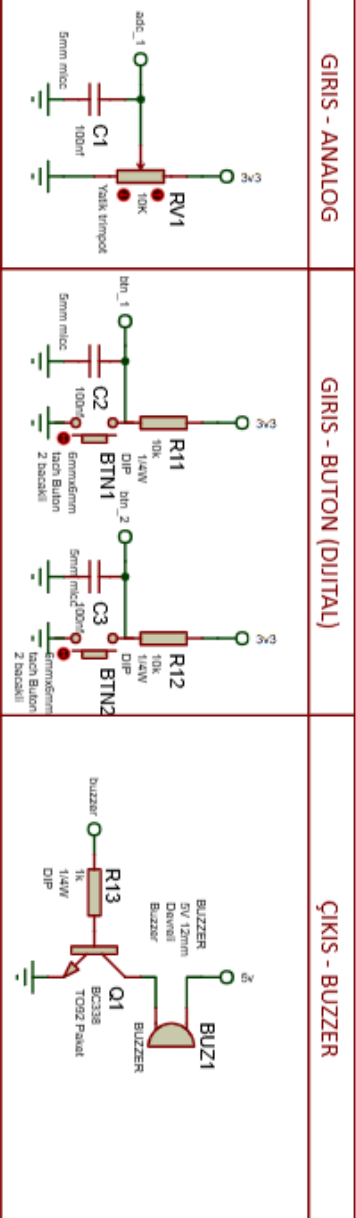
Bugünden yarın için güçlü şekilde hazırlanma

# Malzeme listesi (Bill Of Materials)

## Bill Of Materials for Emre koçyigit 649

Design Title	Emre koçyigit 649
Author	
Document Number	
Revision	
Design Created	15 Kasım 2025 Cumartesi
Design Last Modified	15 Kasım 2025 Cumartesi
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
3	C1-C3	100nf		
1	C4	100NF		
Sub-totals:				€0,00
18 Resistors				
Quantity	References	Value	Stock Code	Unit Cost
8	R1-R8	100r		
3	R9-R10,R14	1k		
6	R11-R13,R15-R16,R18	10k		
1	R17	680		
Sub-totals:				€0,00
2 Integrated Circuits				
Quantity	References	Value	Stock Code	Unit Cost
1	U1	PC817		
1	U2	STM32		
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-COM-CATHODE		
2	D10-D11	1N4148		
Sub-totals:				€0,00
14 Miscellaneous				
Quantity	References	Value	Stock Code	Unit Cost
10	3V3,5V,BTN1-BTN2,GND,J1-J4,RL1			
1	BUZ1	BUZZER		
1	J5	TBLOCK-I3		
1	KL2	TBLOCK-I2		
1	RV1	10K		
Sub-totals:				€0,00
Totals:				€0,00



# Yerleşim Planı (Overlay)

