

# **STM32F103**

## **GELİŞTİRME KARTI**

HAZIRLAYAN:

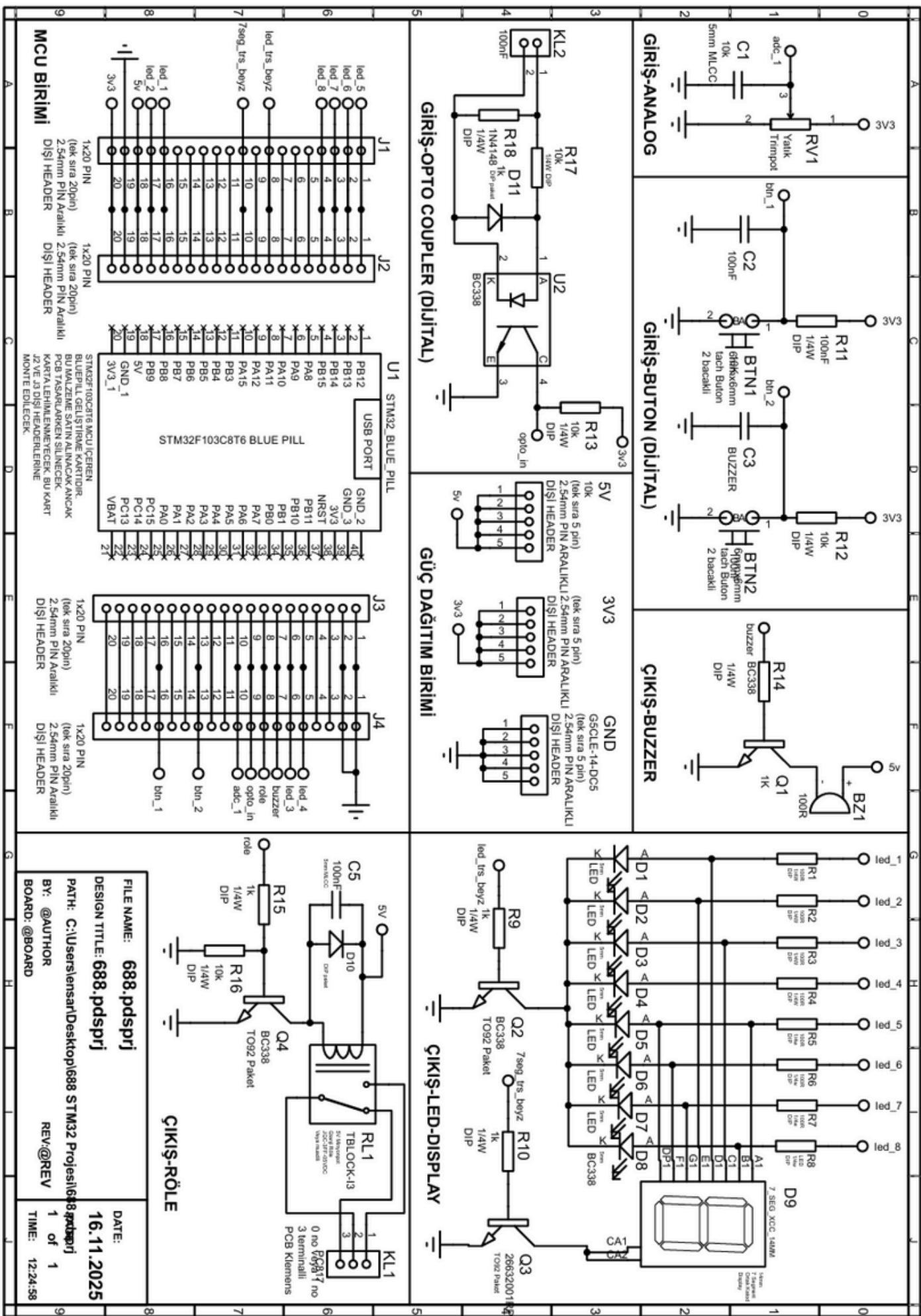
**ALTAN EKREM ÖZKAN**

SINIF - NUMARA:

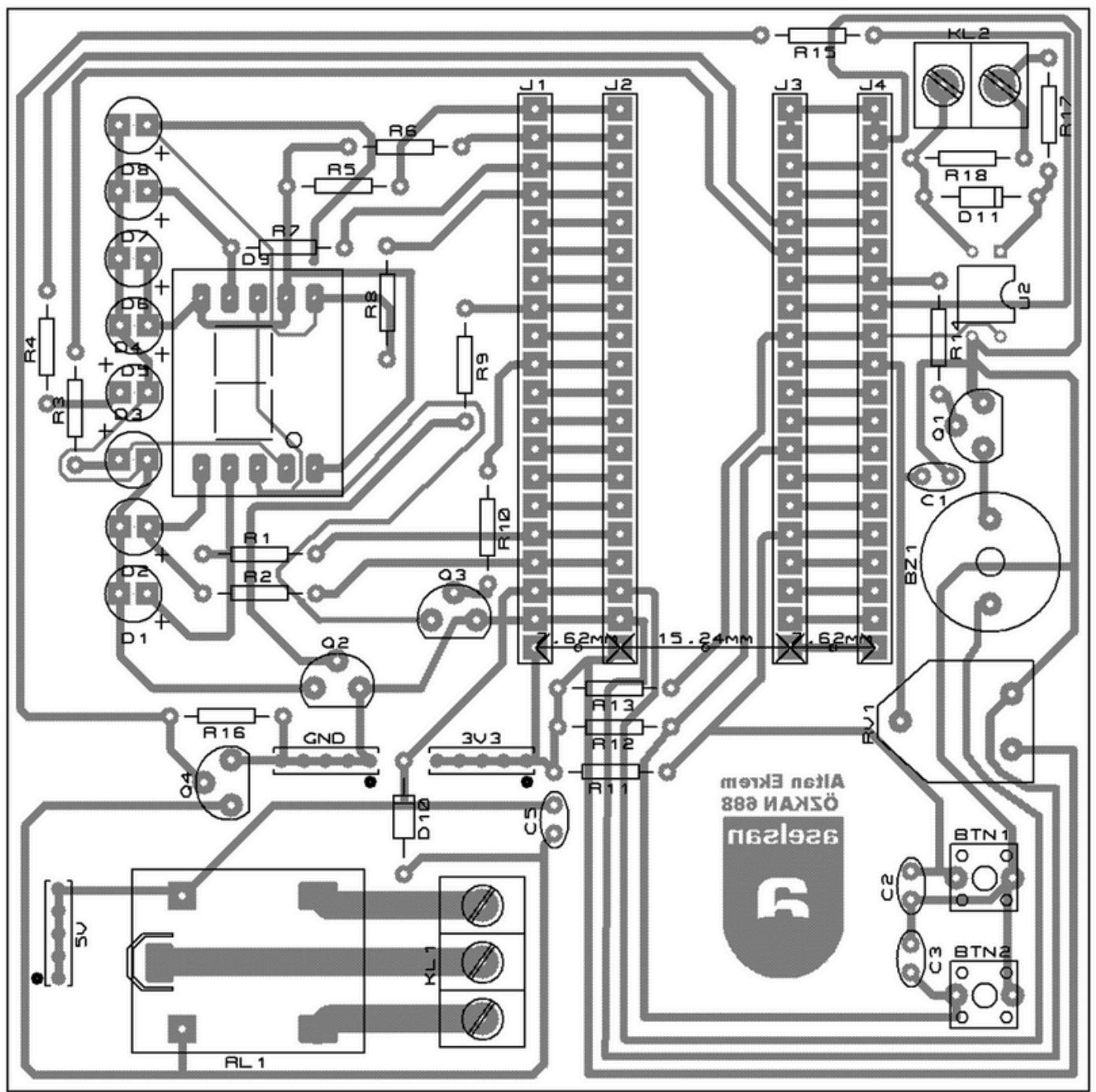
**11/A 688**

DERS ÖĞRETMENİ:

**MUSTAFA SEYHAN**



# Devre Şeması



**Yerleşim Planı (Overlay)**

## Bill Of Materials for 688

Design Title 688

Author

Document Number

Revision

Design Created 12 Kasım 2025 Çarşamba

Design Last Modified 19 Kasım 2025 Çarşamba

Total Parts In Design 52

### 0 Modules

Quantity	References	Value	Stock Code	Unit Cost
				£0,00

### 4 Capacitors

Quantity	References	Value	Stock Code	Unit Cost
1	C1	10k		
2	C2,C5	100nF		
1	C3	BUZZER		
				£0,00

### 18 Resistors

Quantity	References	Value	Stock Code	Unit Cost
7	R1-R7	100R		
1	R8	LED		
3	R9-R10,R15	1k		
1	R11	100nF		
4	R12-R13,R16-R17	10k		
1	R14	BC338		
1	R18	1N4148		
				£0,00

### 1 Integrated Circuits

Quantity	References	Value	Stock Code	Unit Cost
1	U2	BC338		
				£0,00

### 4 Transistors

Quantity	References	Value	Stock Code	Unit Cost
1	Q1	1K		
2	Q2,Q4	BC338		
1	Q3	26632001RP2		
				£0,00

### 11 Diodes

Quantity	References	Value	Stock Code	Unit Cost
7	D1-D7	LED		
1	D8	BC338		
2	D9-D10			
1	D11	1k		
				£0,00

### 14 Miscellaneous

Quantity	References	Value	Stock Code	Unit Cost
1	3V3		NorComp 25630501RP2	
1	5V	10k	NorComp 25630501RP2	
1	BTN1	10K		
2	BTN2,KL2	100nF		
1	BZ1	100R		
1	GND	G5CLE-14-DC5	NorComp 25630501RP2	
1	J1	26632001RP2	NorComp 26632001RP2	
3	J2-J4		NorComp 26632001RP2	
1	KL1	PC817		
1	RL1	TBLOCK-I3		
1	RV1	26632001RP2		
				£0,00

Totals: £0,00

19 Kasım 2025 Çarşamba 21:40:33

## Malzeme listesi (Bill of Material)

