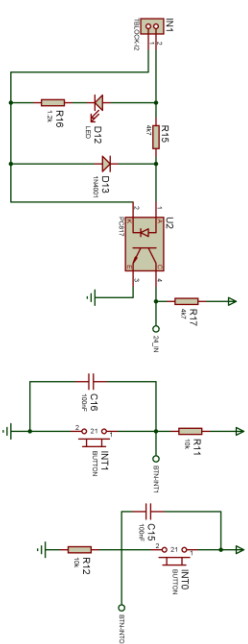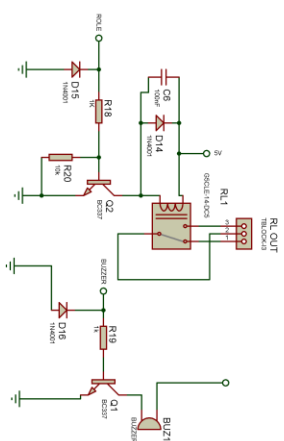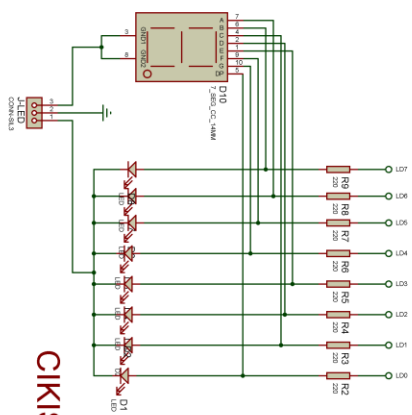# 11/B – 43

Ada TOYRAN

Nuvoton M031FB0AE Geliştirme kartı tanıtım dokümanıdır.

Bu belge geliştirdiğimiz kartın özelliklerini temel düzeyde gösteren bir dokümandır.

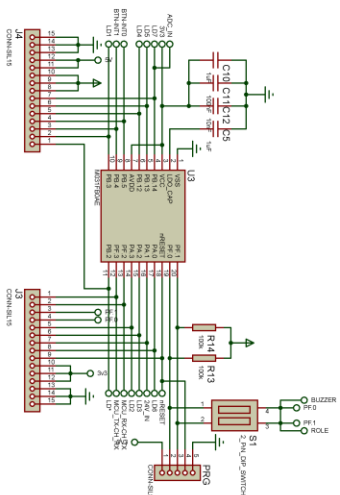25.04.2023

MCU BİRİMİ

CIKIS BİRİMLERİ
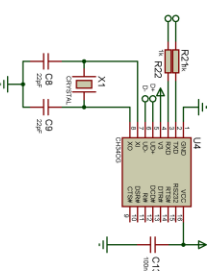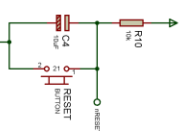
USB->UART DÖNÜŞTÜRÜCÜ

GÜÇ GİRİŞİ

DİJİTAL GIRIS BİRİMLERİ

RESET DEVRESI

ANALOG TEST BİRİMİ

aselsan

Ada Toyran 11/B 43
Nuvoton M031FB0AE deney kartı
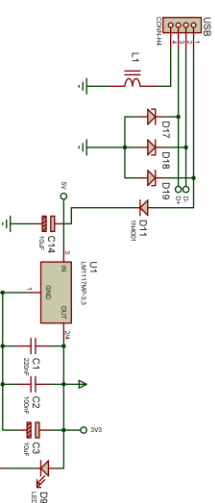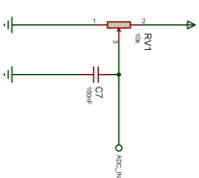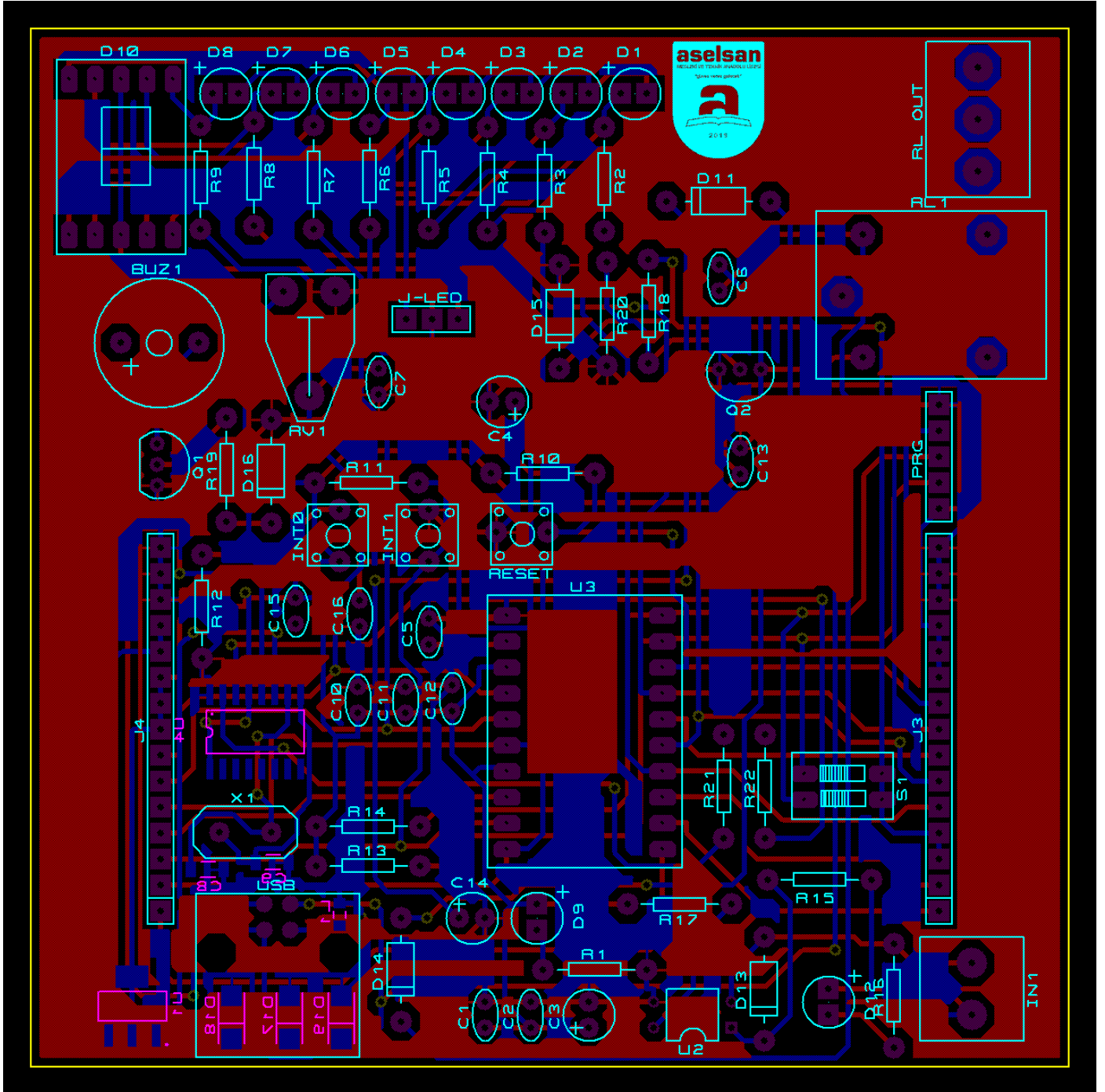
GENEL BASKI DEVRE GÖRÜNÜŞÜ
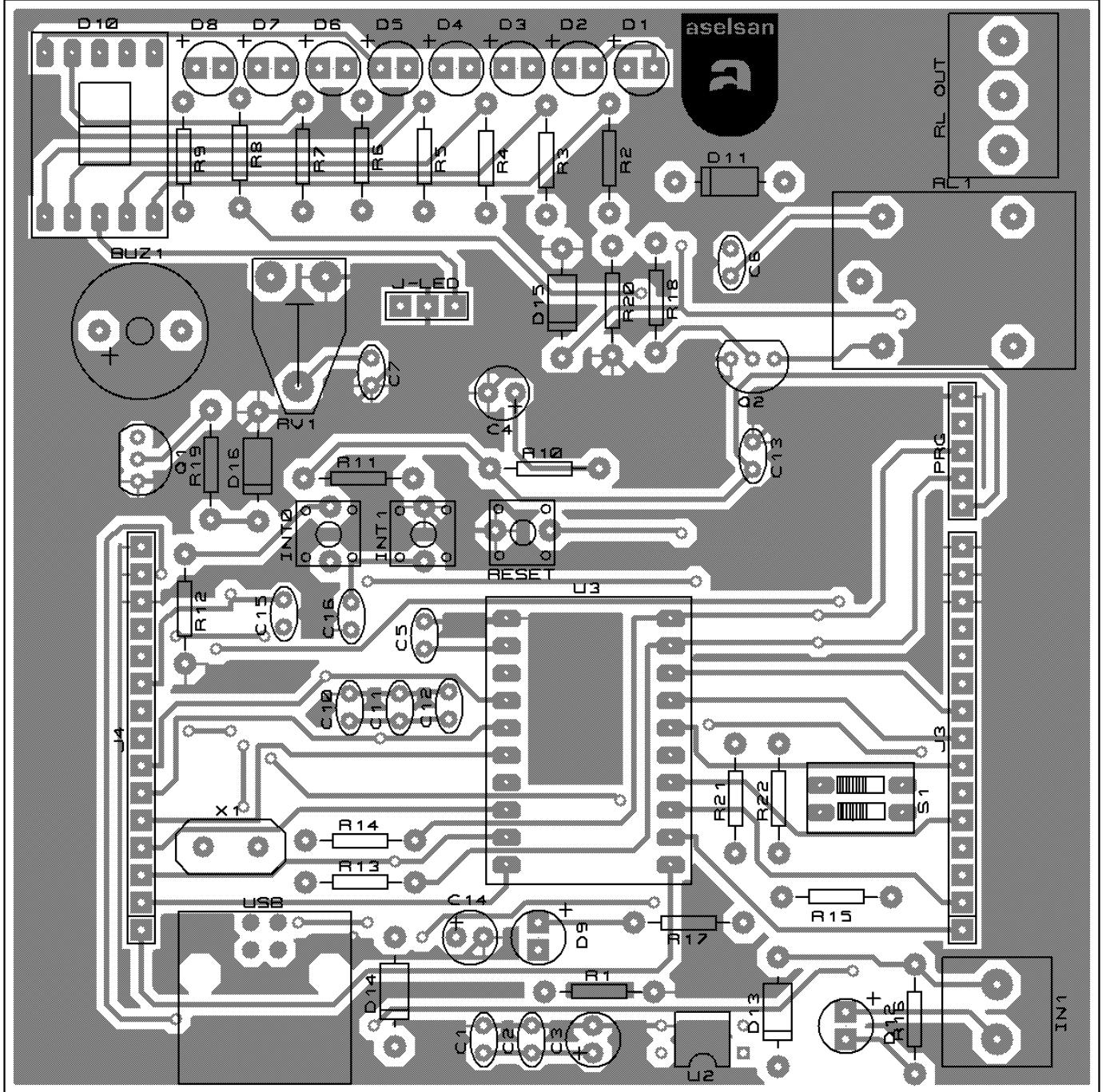
ÜST KATMAN YERLEŞİM PLANI

ALT KATMAN YERLEŞİM PLANI

Bill Of Materials for adabitti_bida

Design Title adabitti_bida
Author
Document Number
Revision
Design Created 6 Nisan 2023 Perşembe
Design Last Modified 25 Nisan 2023 Salı
Total Parts In Design 79

0 Modules

Quantity	References	Value	Stock Code	Unit Cost
Sub-totals:				₺0,00

16 Capacitors

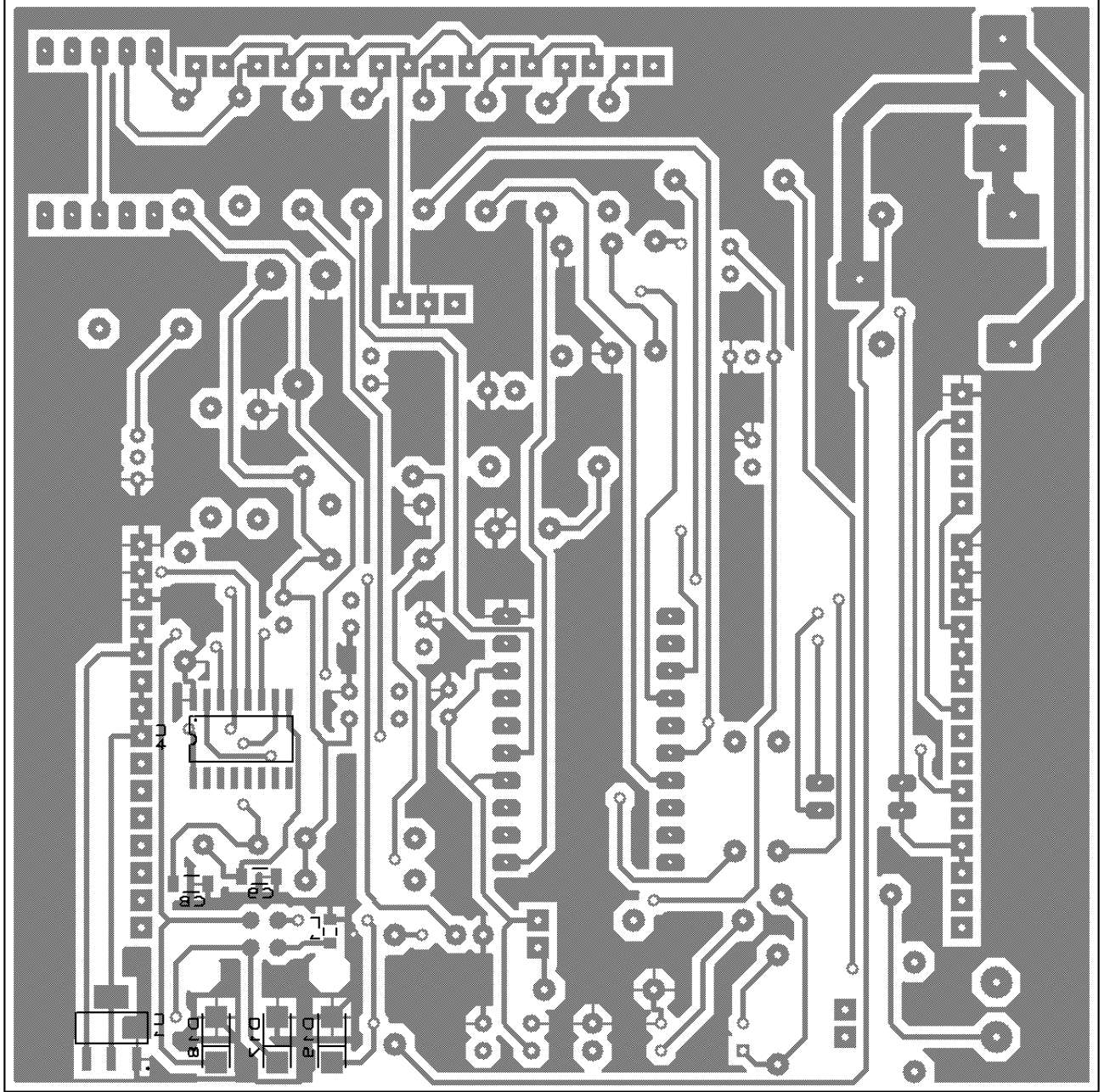| Quantity	References	Value	Stock Code	Unit Cost
1	C1	220nF		
7	C2, C6-C7, C11, C13, C15-C16	100nF		
3	C3-C4, C14	10uF		
2	C5, C10	1uF		
2	C8-C9	22pF		
1	C12	10nF		
Sub-totals:				₺0,00

22 Resistors

Quantity	References	Value	Stock Code	Unit Cost
1	R1	470		
8	R2-R9	220		
4	R10-R12, R20	10k		
2	R13-R14	100k		
2	R15, R17	4k7		
1	R16	1.2k		
1	R18	1K		
3	R19, R21-R22	1k		
Sub-totals:				₺0,00

4 Integrated Circuits

Quantity	References	Value	Stock Code	Unit Cost
1	U1	LM1117MP-3,3		
1	U2	PC817		
1	U3	M031FB0AE		
1	U4	CH340G		
Sub-totals:				₺0,00

2 Transistors

Quantity	References	Value	Stock Code	Unit Cost
2	Q1-Q2	BC337		
Sub-totals:				₺0,00

19 Diodes

Quantity	References	Value	Stock Code	Unit Cost
9	D1, D3-D9, D12	LED		
1	D2	D2		
1	D10	7_SEG_CC_14MM		
5	D11, D13-D16	1N4001		
3	D17-D19			
Sub-totals:				₺0,00

16 Miscellaneous

Quantity	References	Value	Stock Code	Unit Cost
1	BUZ1	BUZZER		
1	IN1	TBLOCK-I2		
3	INT0-INT1, RESET	BUTTON		
2	J3-J4	CONN-SIL15		
1	J-LED	CONN-SIL3		
1	L1			
1	PRG	CONN-SIL5		
1	RL1	G5CLE-14-DC5		
1	RL OUT	TBLOCK-I3		
1	RV1	10k		
1	S1	2_PIN_DIP_SWITCH		
1	USB	CONN-H4		
1	X1	CRYSTAL	RES038	
Sub-totals:				₺0,00
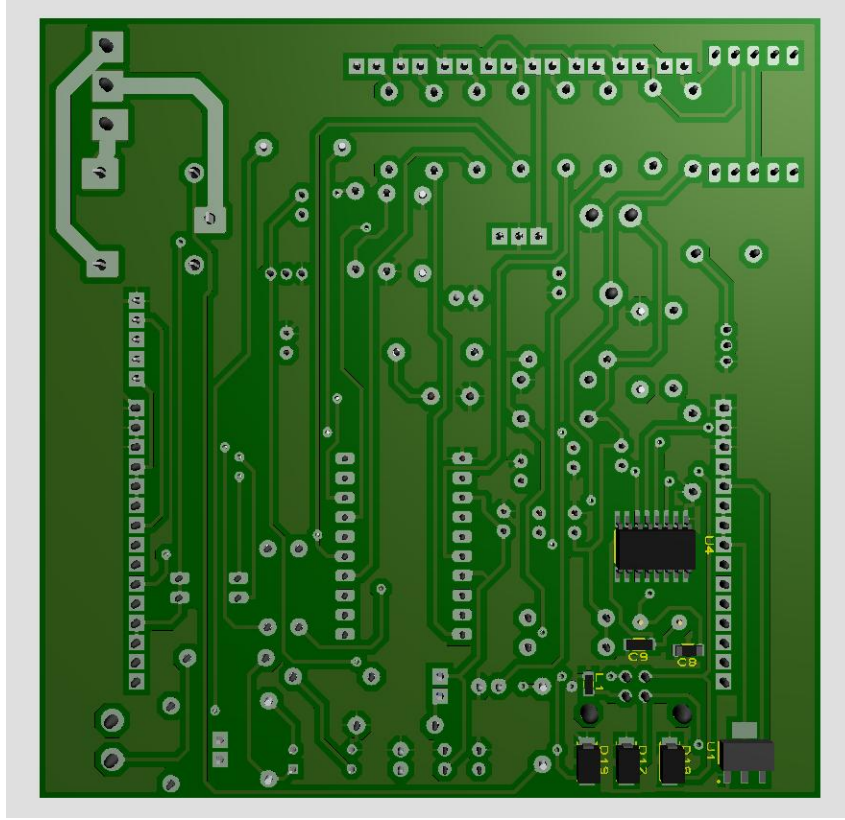
ALT KATMAN 3D GÖRÜNTÜ

ÜST KATMAN 3D GÖRÜNTÜ