



aselsan

MESLEKİ VE TEKNİK ANADOLU LİSESİ

“güven veren gelecek”

11/A -17

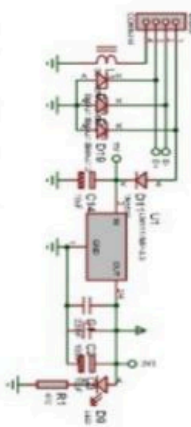
Ahmet Yusuf

KAYKUSUZ

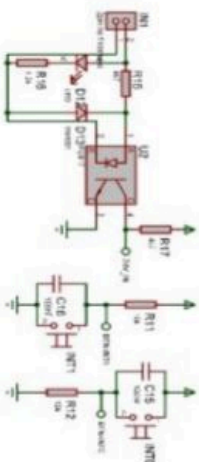
*Nuvoton M031FB0AE Geliştirme kartı tanıtım
dökümanıdır.*

Bu belge geliştirdiğimiz kartın özelliklerini temel düzeyde gösteren bir dokümandır.

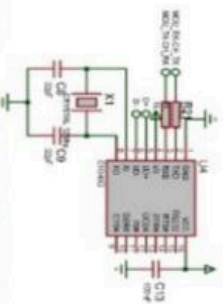
26.04.2023



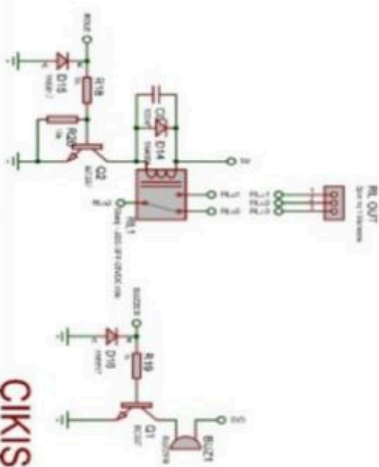
GÜÇ GİRİŞİ



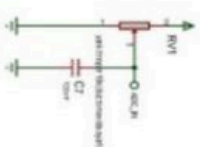
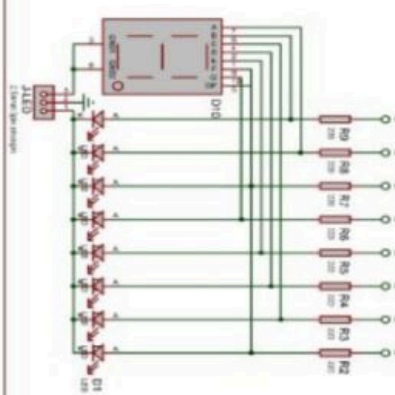
DİJİTAL GİRİŞİ BİRİMİ



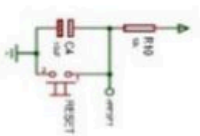
USB -> UART DÖNÜŞTÜRÜCÜ



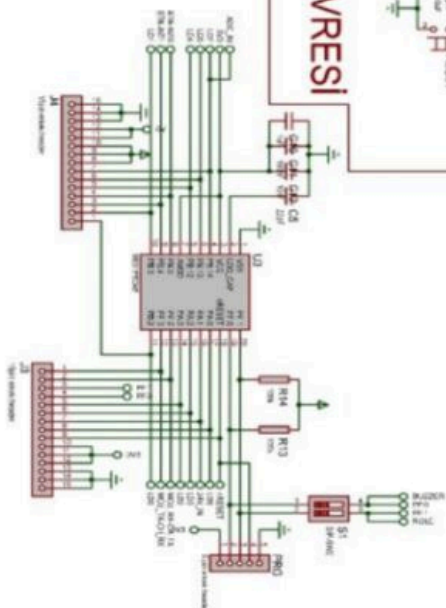
ÇIKIŞ BİRİMİ



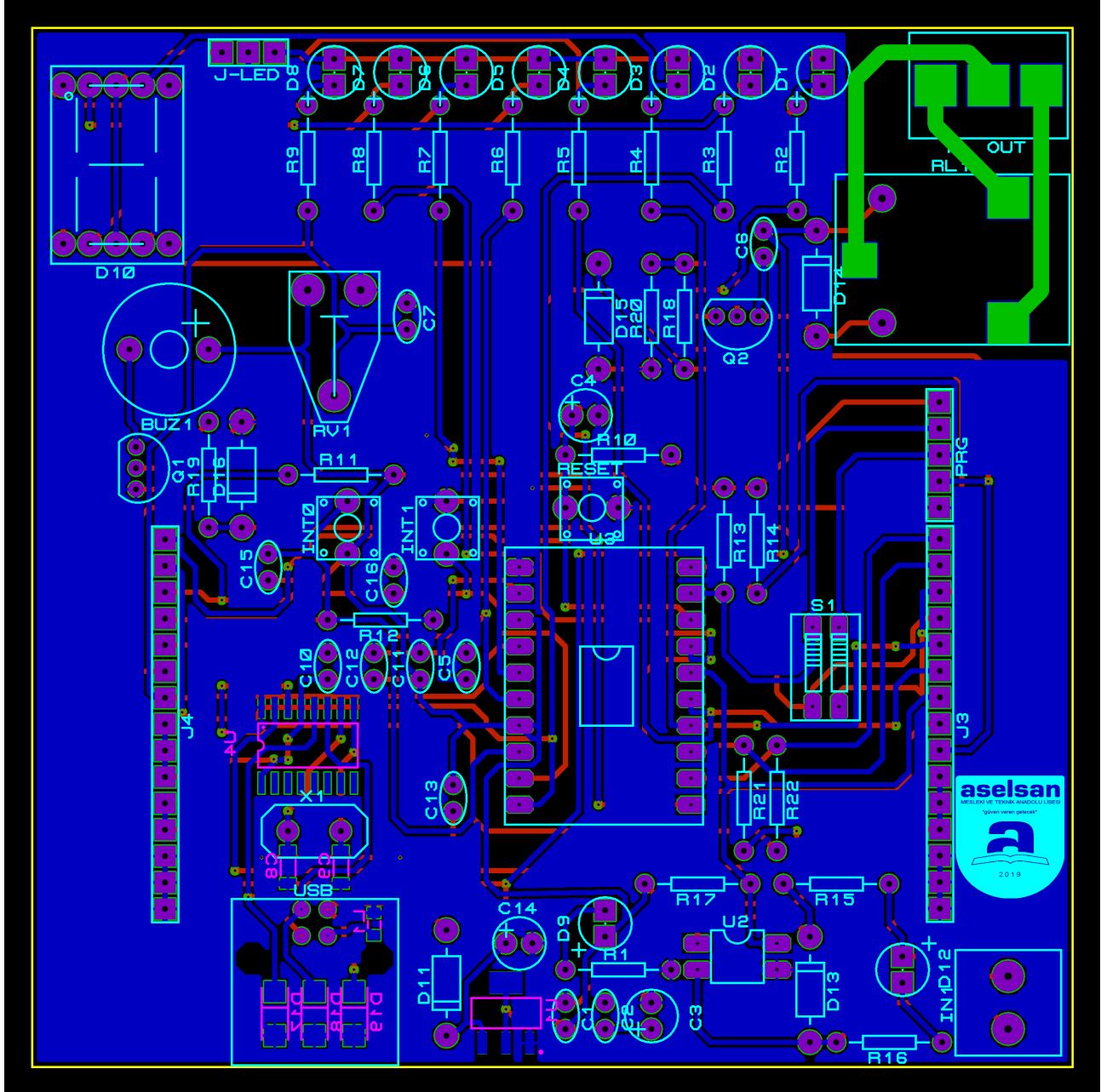
ANALOG TEST



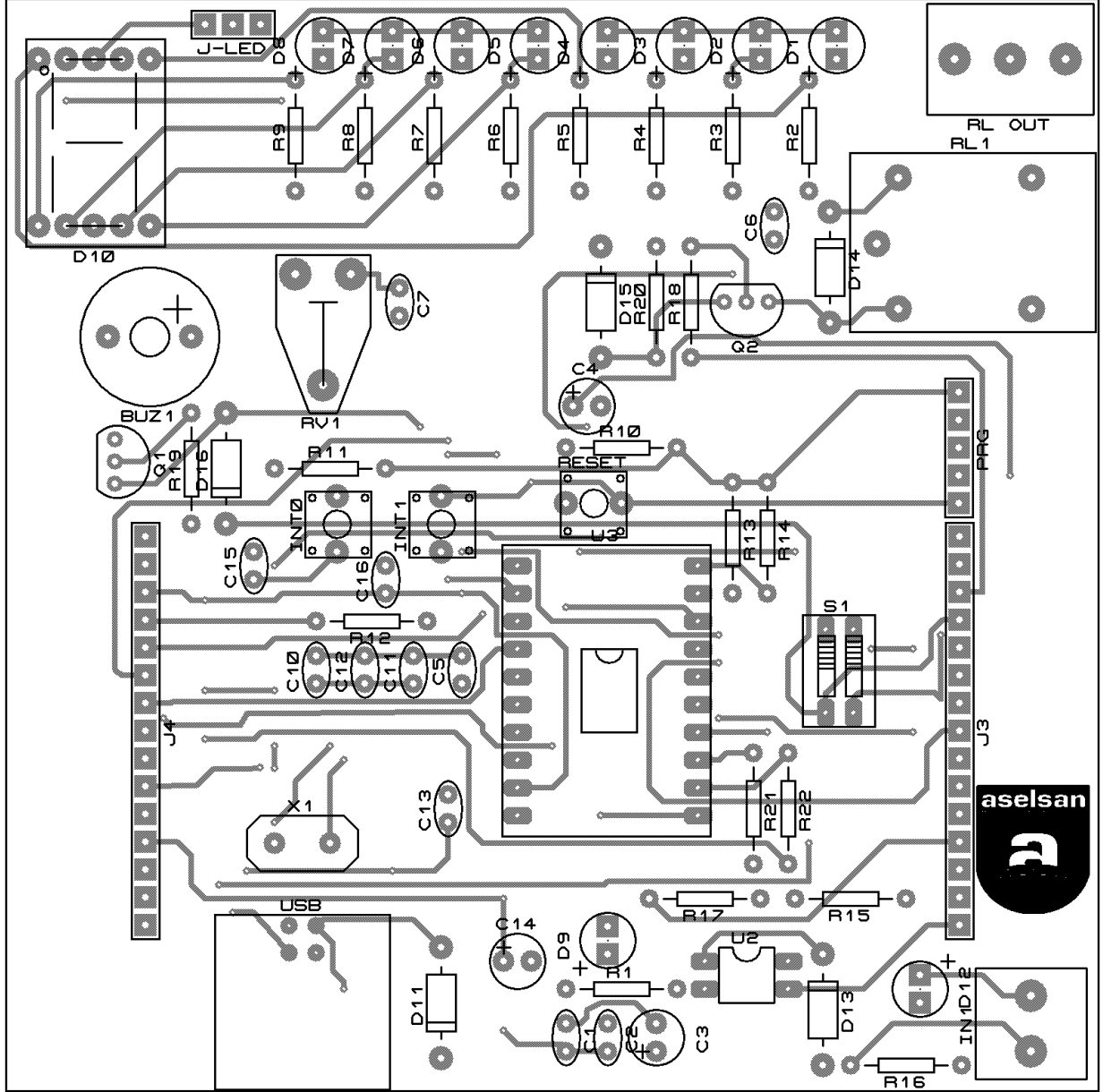
RESET DEVRESİ



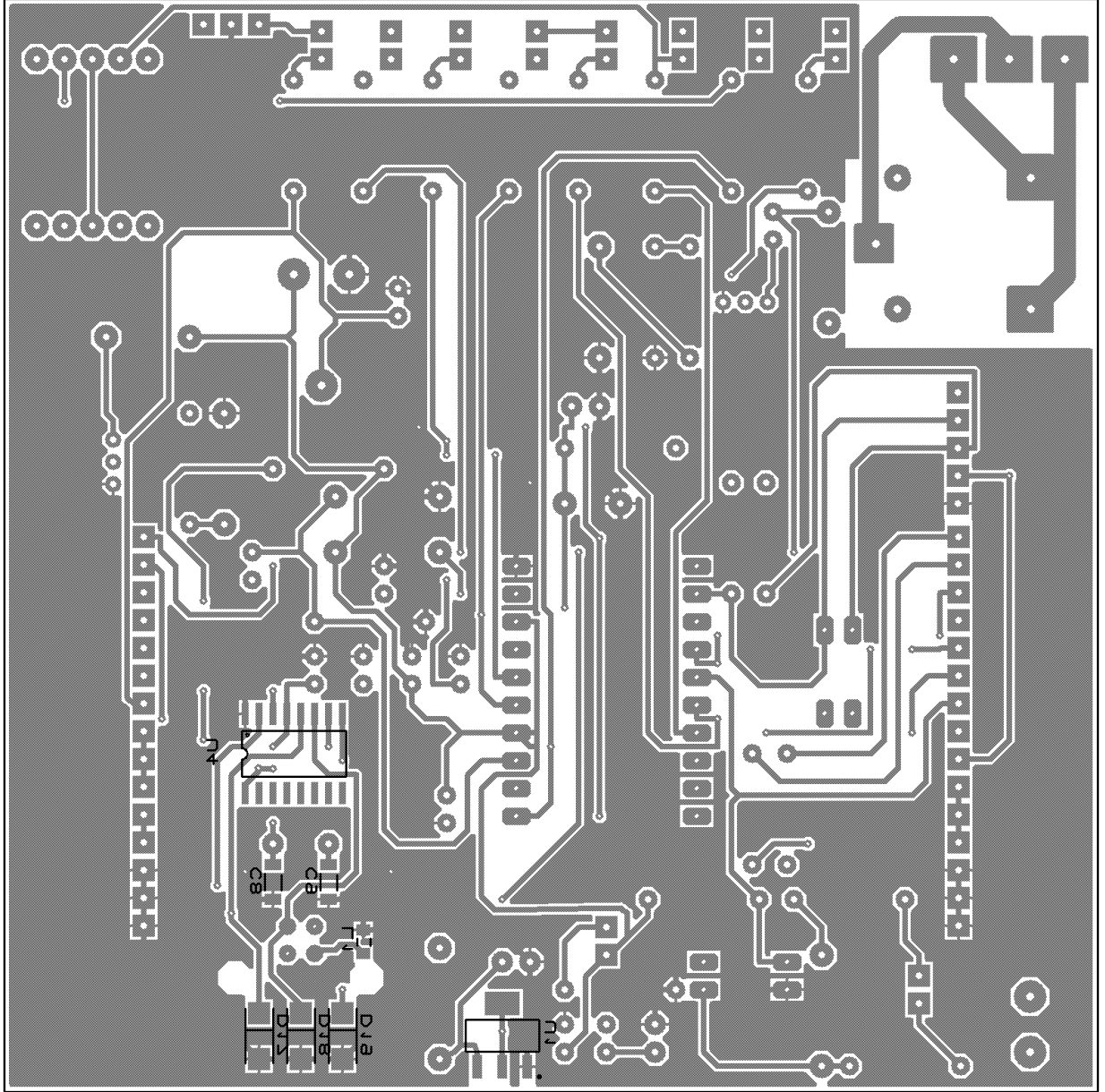
MCU BİRİ



GENEL BASKI DEVRE GÖRÜNÜŞÜ



ÜST KATMAN YERLEŞİM PLANI



ALT KATMAN YERLEŞİM PLANI

Bill Of Materials for AhmetYusufKyksz17

Design Title AhmetYusufKyksz17
Author
Document Number
Revision
Design Created 22 Nisan 2023 Cumartesi
Design Last Modified 27 Nisan 2023 Perşembe
Total Parts In Design 79

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:				₺0,00

16 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	C1	220nF		
7	C2,C6-C7,C11,C13,C15-C16	100nF		
3	C3-C4,C14	10uF		
3	C5,C8-C9	22pF		
1	C10	1uF		
1	C12	10nF		

Sub-totals: ₺0,00

22 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	R1	470		
8	R2-R9	220		
4	R10-R12,R20	10k		
2	R13-R14	100k		
2	R15,R17	4k7		
1	R16	1.2k		
4	R18-R19,R21-R22	1k		

Sub-totals: ₺0,00

4 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1	LM1117MP-3,3		
1	U2	PC817		
1	U3	M031FB0AE		
1	U4	CH340G		

Sub-totals: ₺0,00

2 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	Q1-Q2	BC337		

Sub-totals: ₺0,00

19 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
10	D1-D9,D12	LED		
1	D10			
3	D11,D15-D16	1N5817		
2	D13-D14	1N4001		
3	D17-D19	SMAJ7.0		

Sub-totals: ₺0,00

16 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	BUZ1	BUZZER		
1	IN1	2pin no 1 klemens		

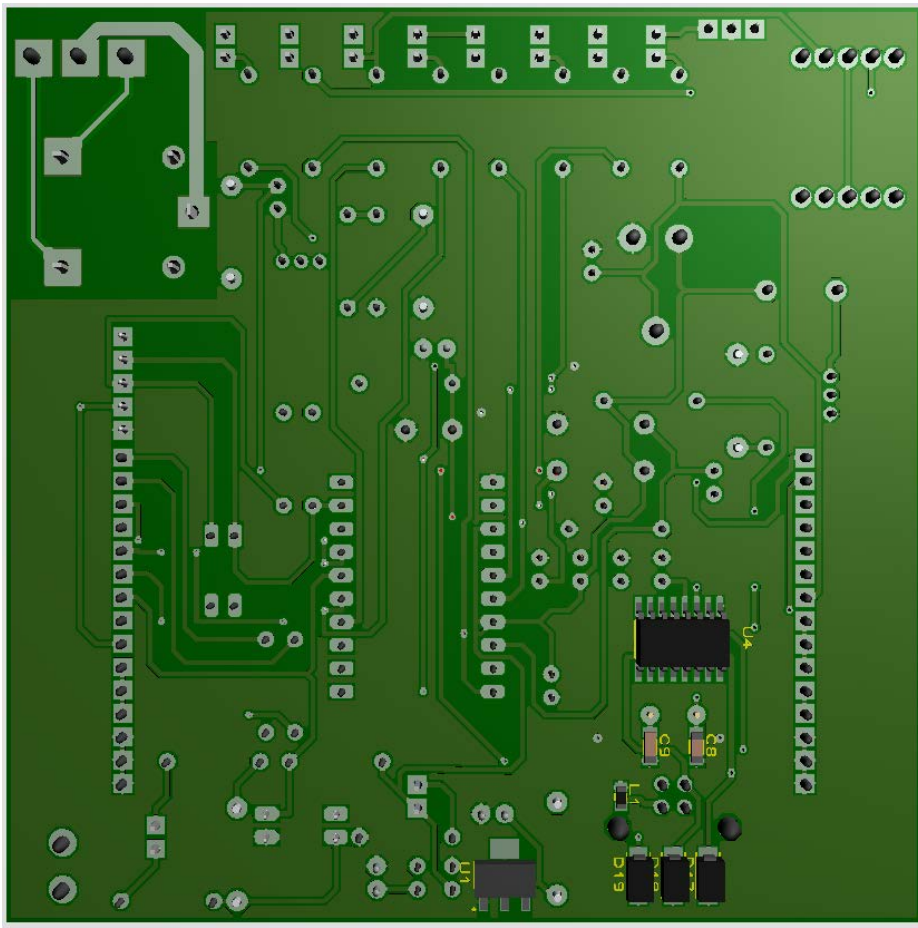
3	INT0-INT1,RESET		
2	J3-J4	15pin erkek header	
1	J-LED	2.54mm 3pin erkekpin	
1	L1	30R FERRITE BEAD	
1	PRG	5 pin erkek header	
1	RL1	Qianji - JQC-3FF-05VDC röle	
1	RL OUT	3pin no 1 klemens	
1	RV1	yatık trimpot 10k(düz tornavida ayarlı)	
1	S1	DIP-SW2	
1	USB	CONN-H4	
1	X1	CRYSTAL 12Mhz	RES038

Sub-totals: ₺0,00

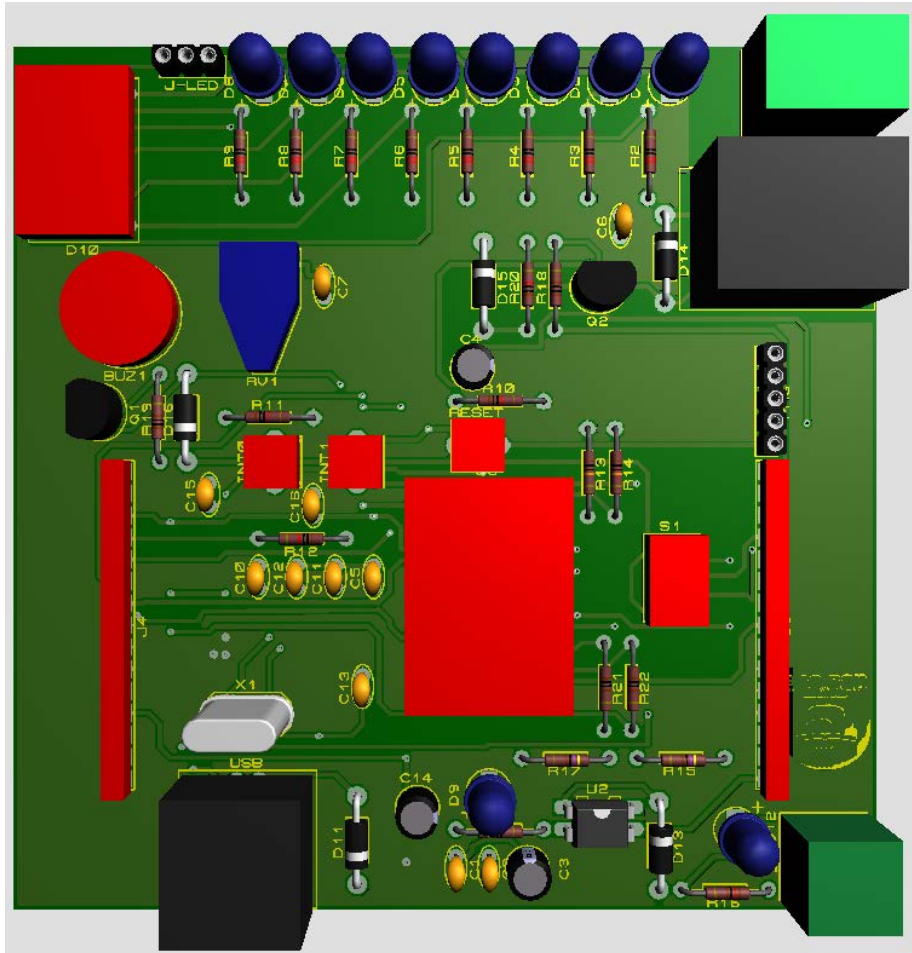
Totals: ₺0,00

26 Nisan 2023 Perşembe

22:10:38



ALT KATMAN 3D GÖRÜNTÜ



ÜST KATMAN 3D GÖRÜNTÜ