



aselsan

MESLEKİ VE TEKNİK ANADOLU LİSESİ

“güven veren gelecek”


Etka Taha Kara

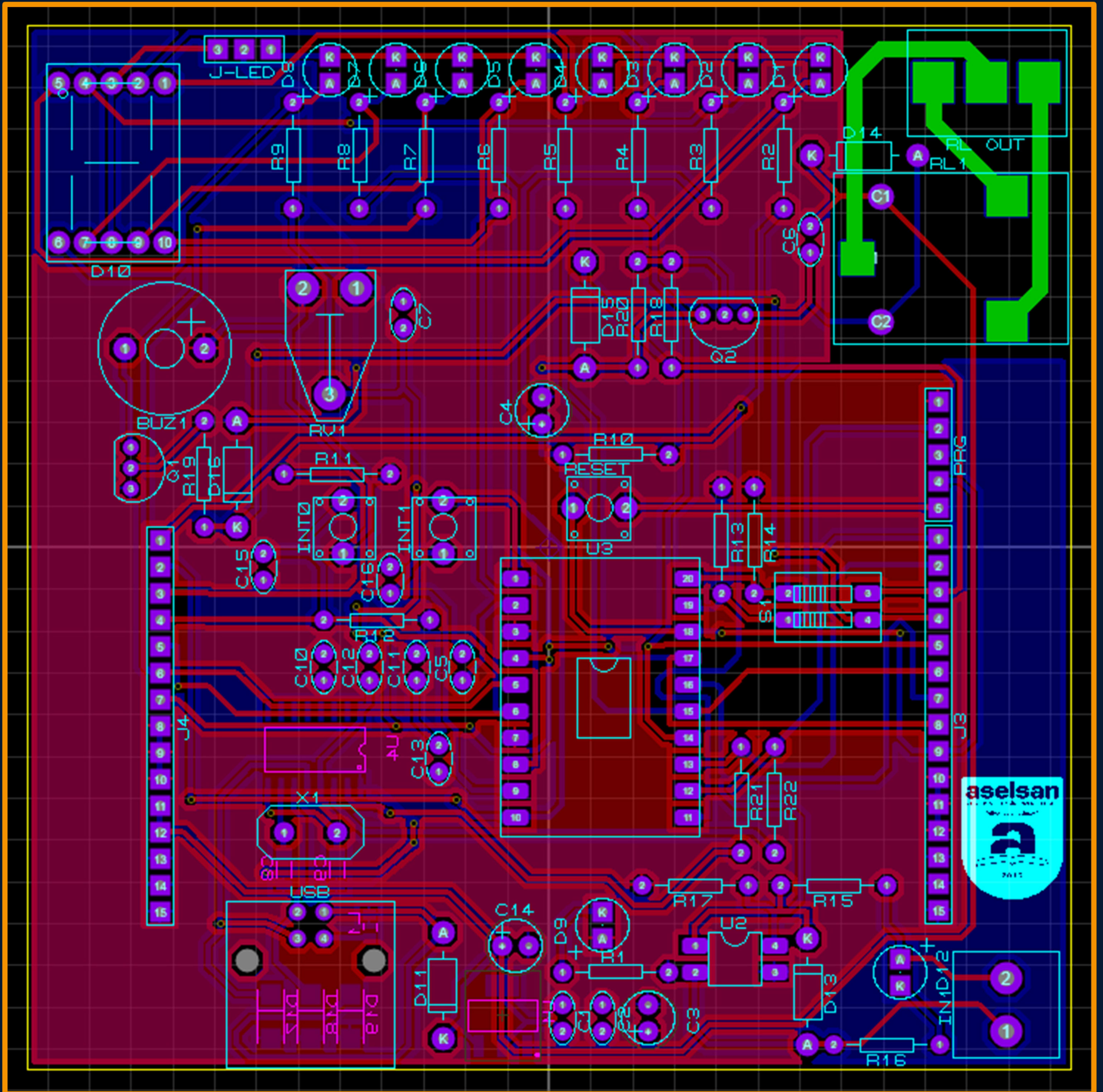
11/A - 9

*Bu belge geliştirdiğimiz kartın özelliklerini
temel düzeyde gösteren bir dokümandır.*

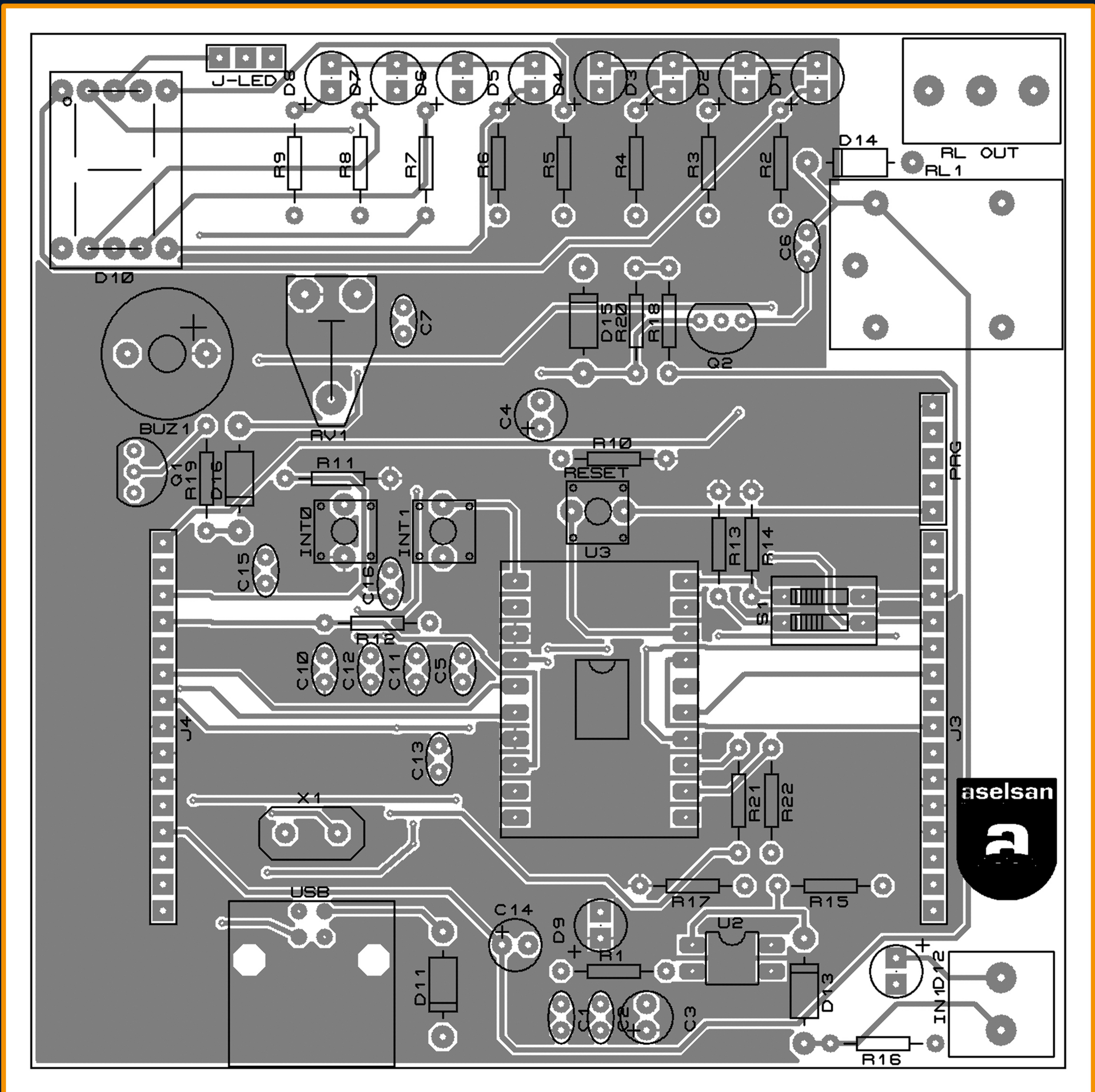
Nuvoton M031FB0AE Geliştirme Kartı

26.04.2023

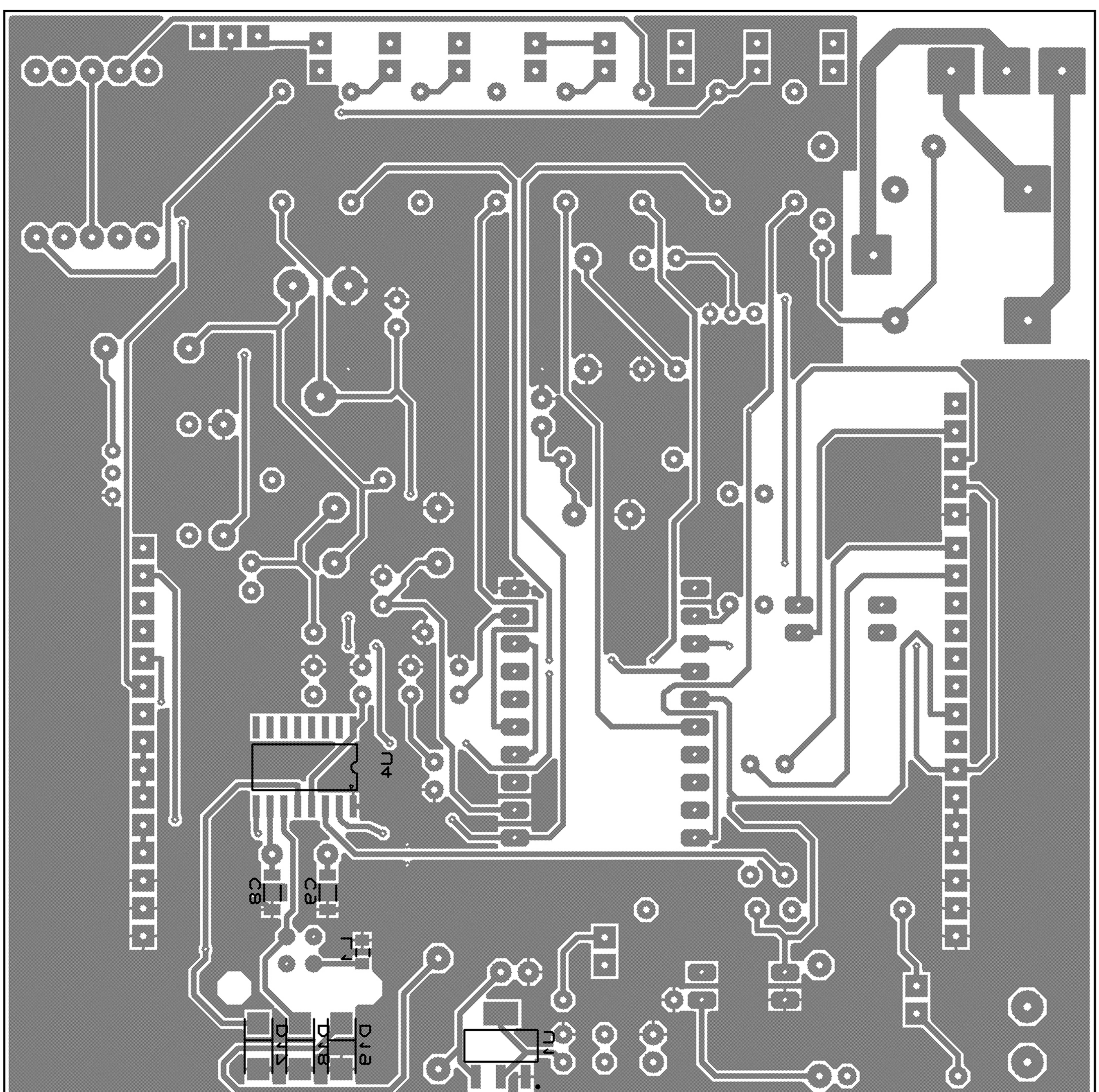




Genel Baskı Devre Görünüşü



Üst Katman Yerleşim Planı



Alt Katman Yerleşim Planı

Bill Of Materials for ETKA TAHA KARA

Design Title	ETKA TAHA KARA
Author	
Document Number	
Revision	
Design Created	10 Nisan 2023 Pazartesi
Design Last Modified	26 Nisan 2023 Çarşamba
Total Parts In Design	79

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
				₺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		

<u>Sub-totals:</u>	₺0,00
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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		

<u>Sub-totals:</u>	₺0,00
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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		

<u>Sub-totals:</u>	₺0,00
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2 Transistors

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

<u>Sub-totals:</u>	₺0,00
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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		

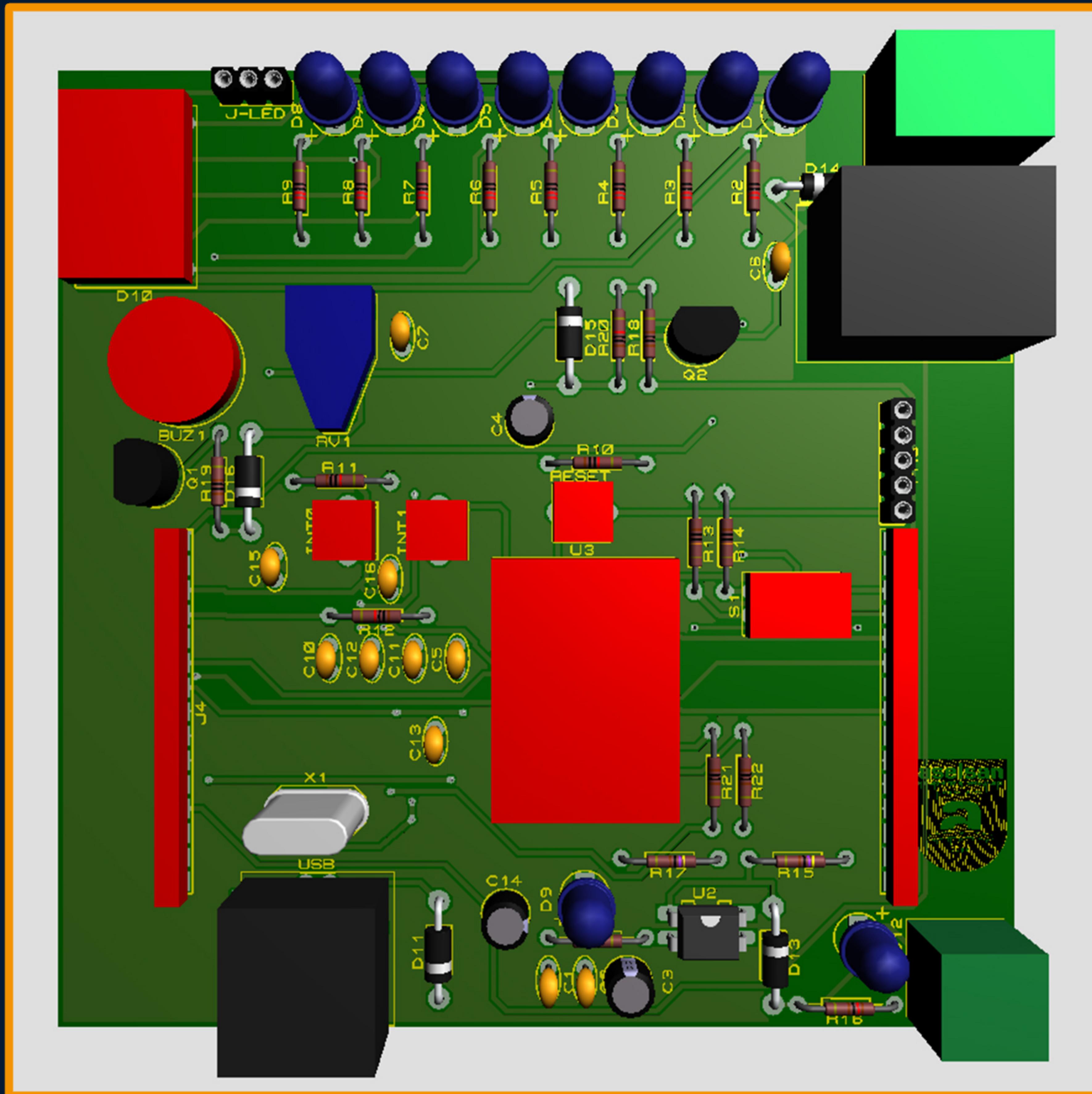
<u>Sub-totals:</u>	₺0,00
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16 Miscellaneous

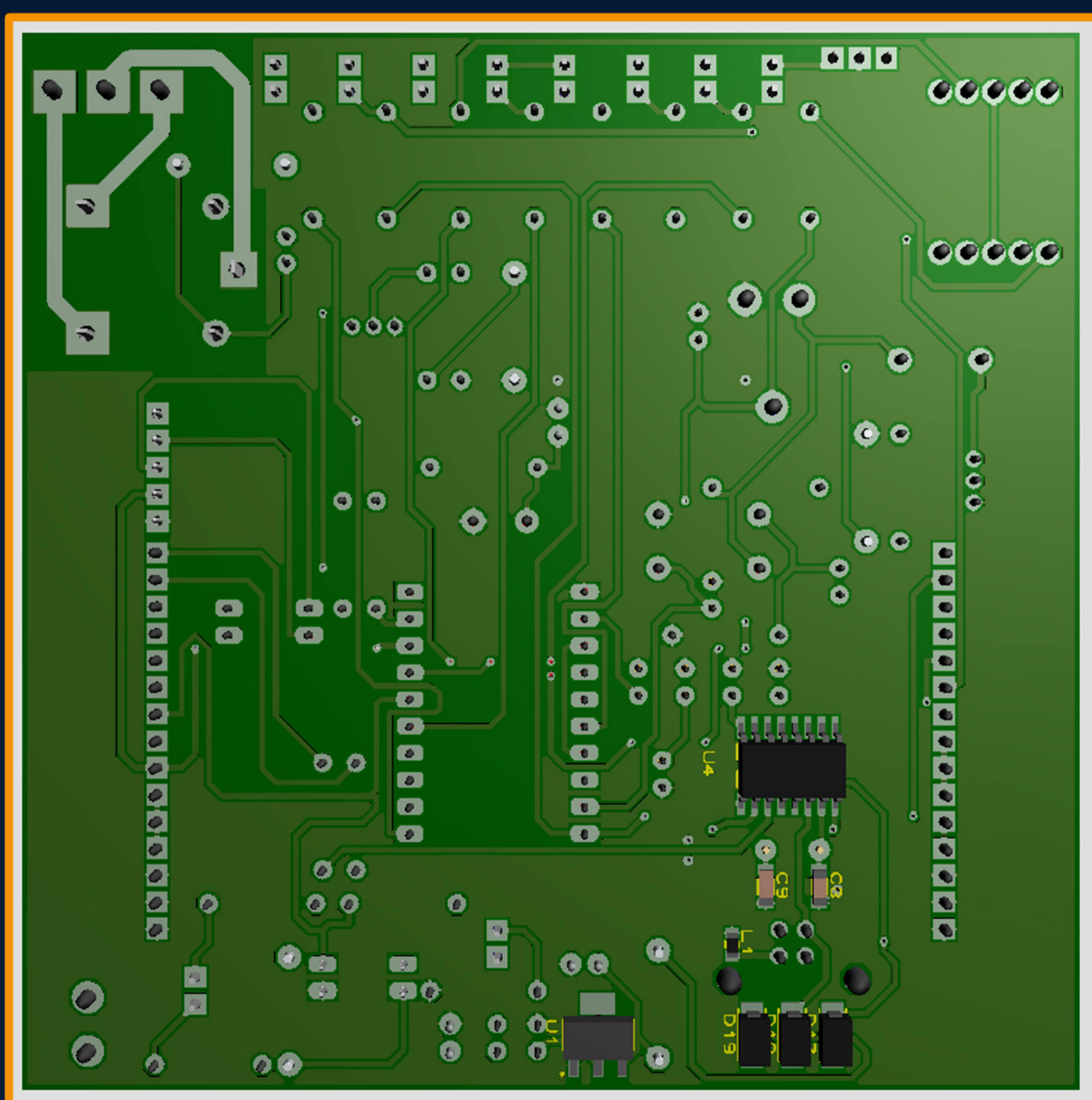
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	BUZ1	BUZZER		
1	IN1	2pin no 1 klemens		

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(duz tomavida ayarlı)	
1	S1	DIP-SW2	
1	USB	CONN-H4	
1	X1	CRYSTAL 12Mhz	RES038
Sub-totals:			₺0,00

Totals: ₺0,00



Üst Katman 3D Görüntü



Alt Katman 3D Görüntü