



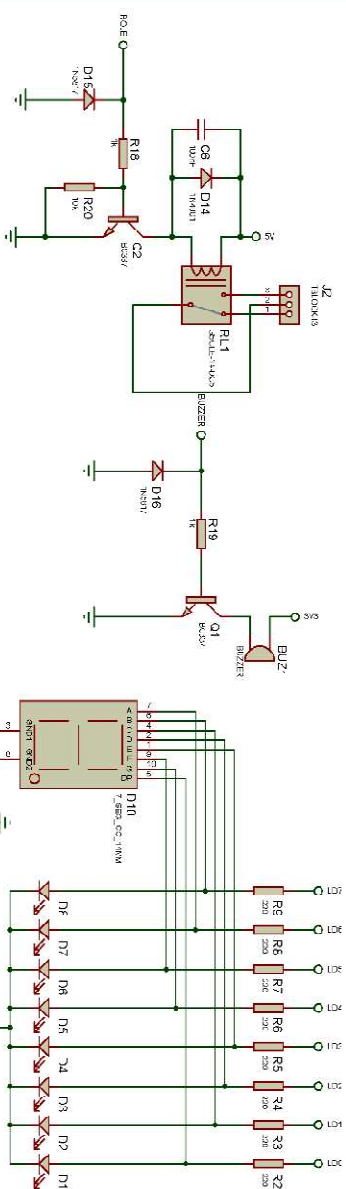
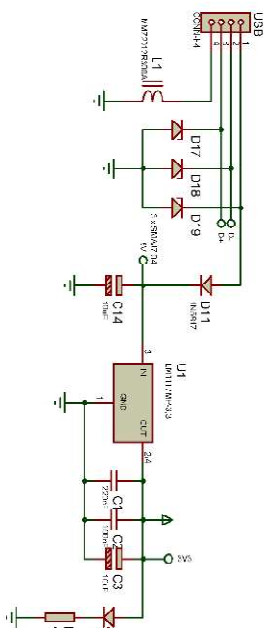
11/B – 36

ÖYKÜ MİNNET

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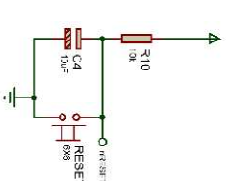
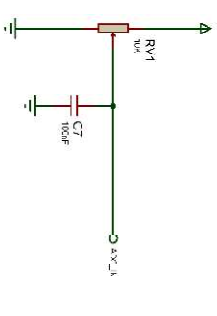
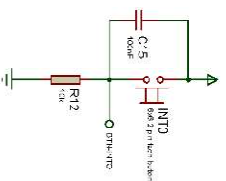
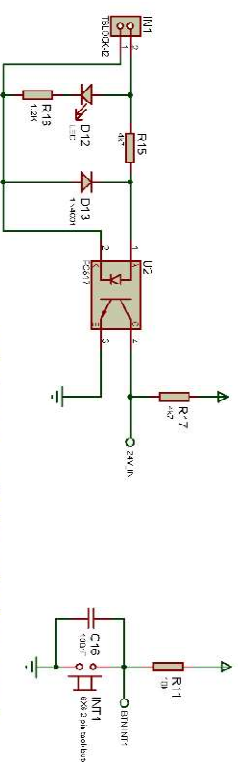
25.04.2023

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## Güç Girişi

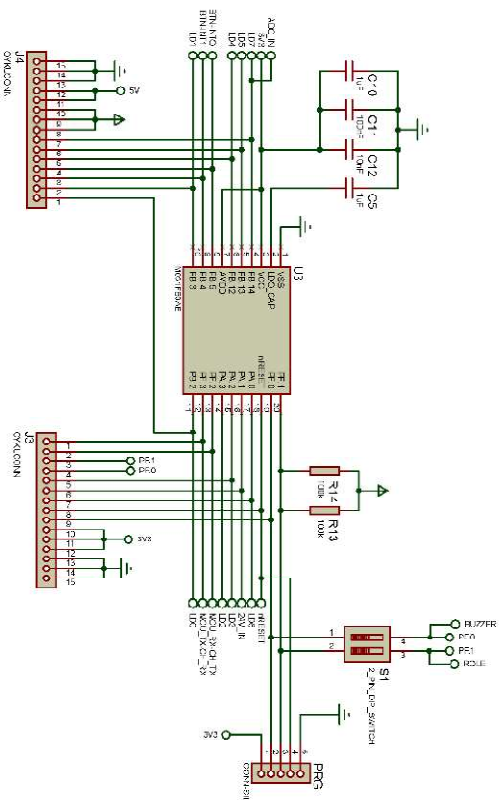
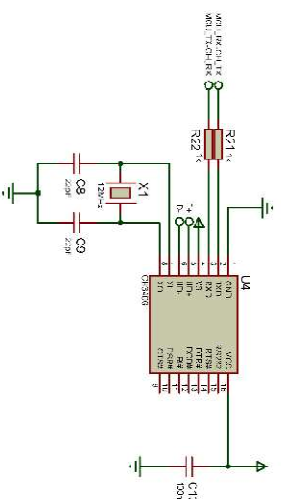
## ÇIKIŞ BİRİMLERİ



## DİJİTAL GİRİŞ BİRİMLERİ

## ANALOG TEST BİRİMİ

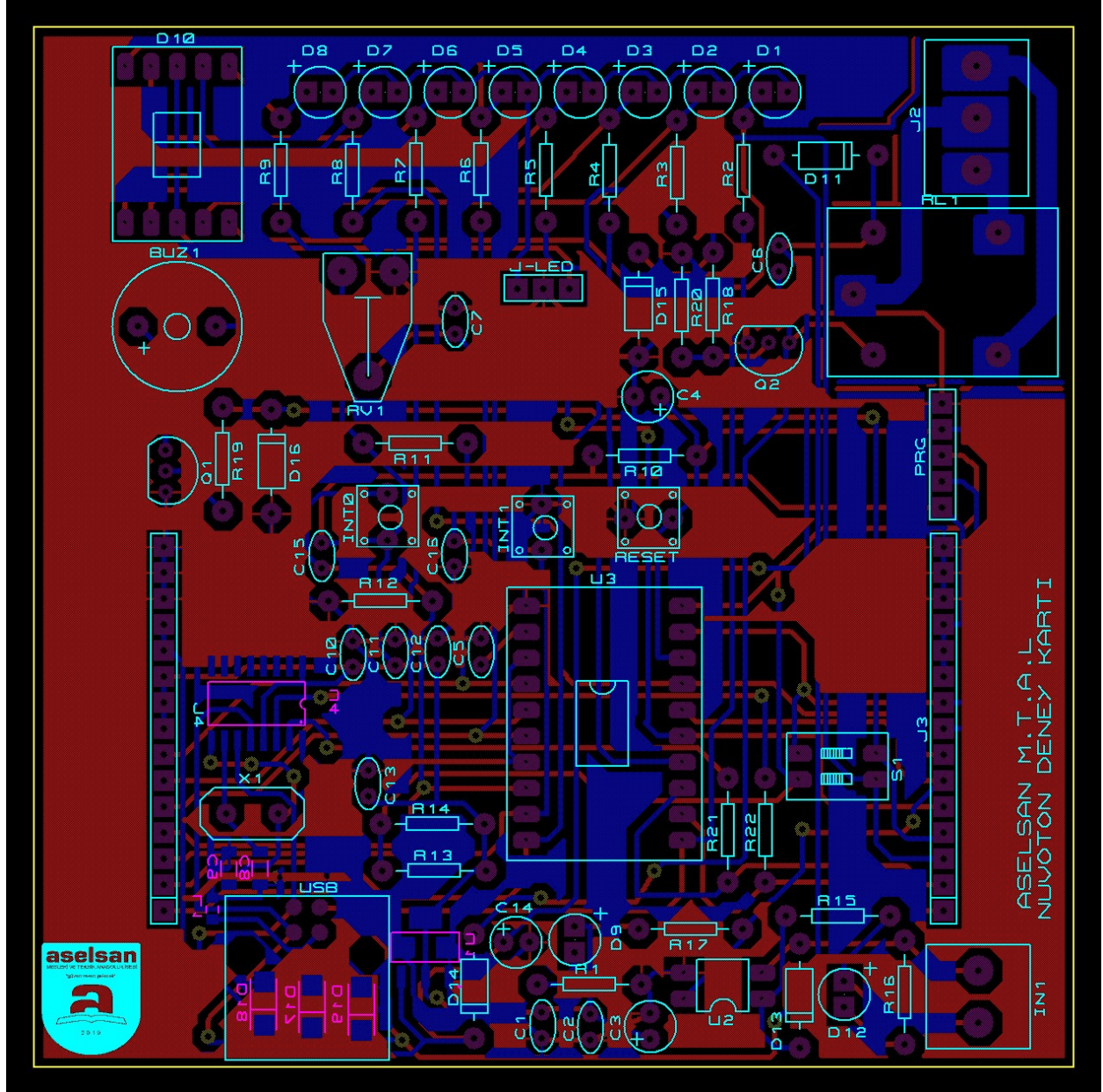
## RESET DEVRESİ



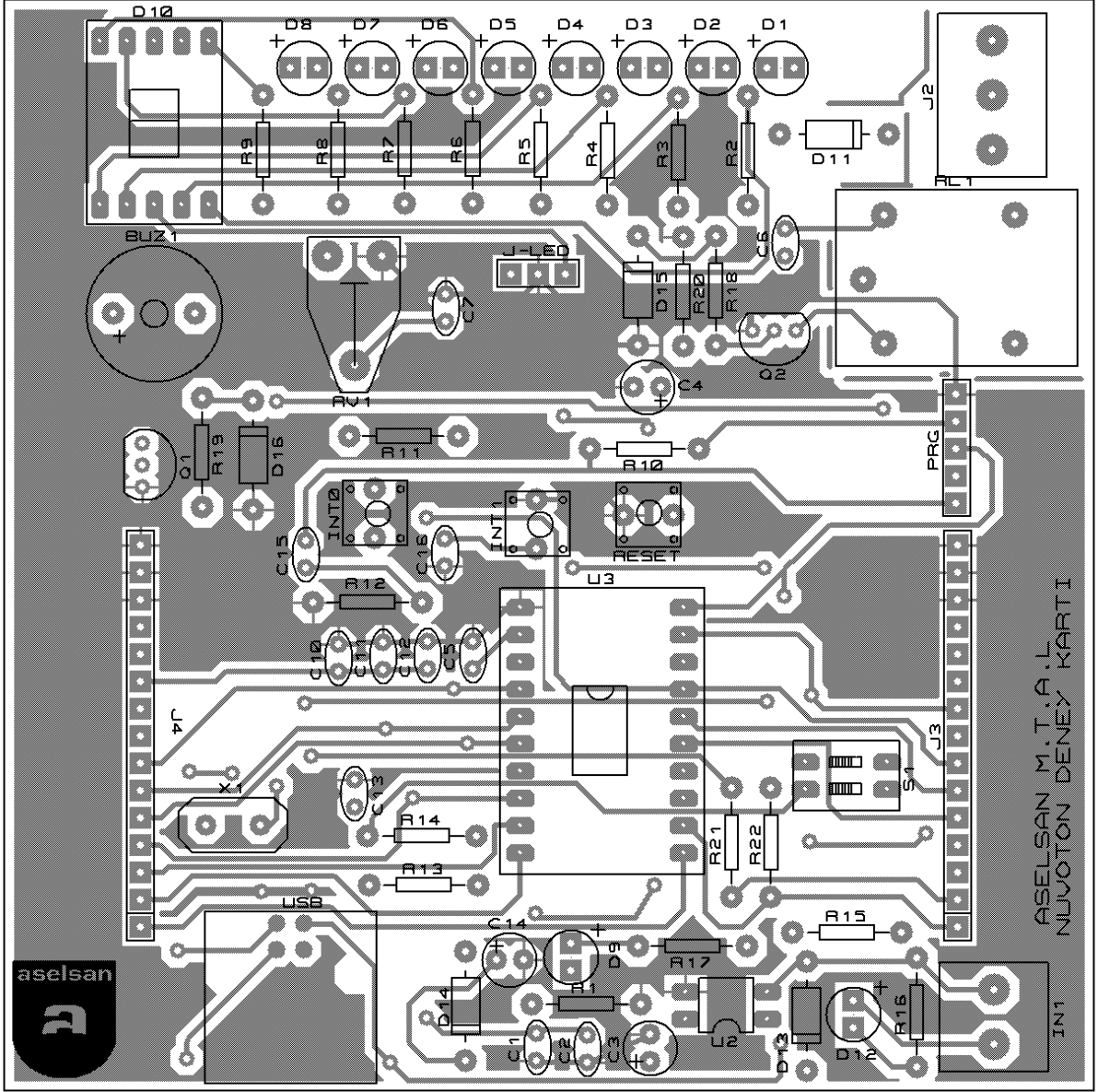
## MCU BIRIMI

## USB-> UART DÖNÜŞTÜRÜCÜ

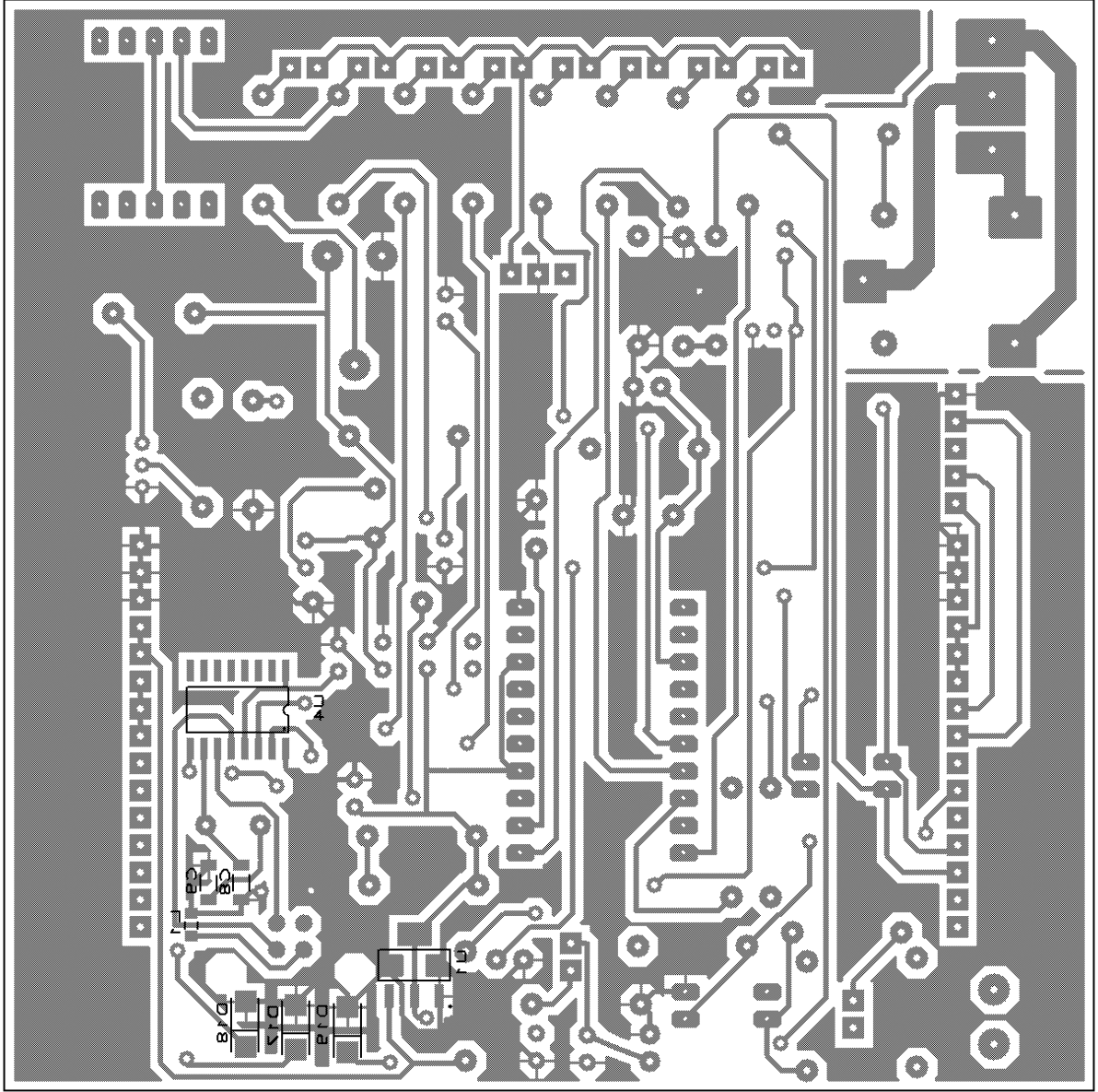




GENEL BASKI DEVRE GÖRÜNÜŞÜ



**ÜST KATMAN YERLEŞİM PLANI**



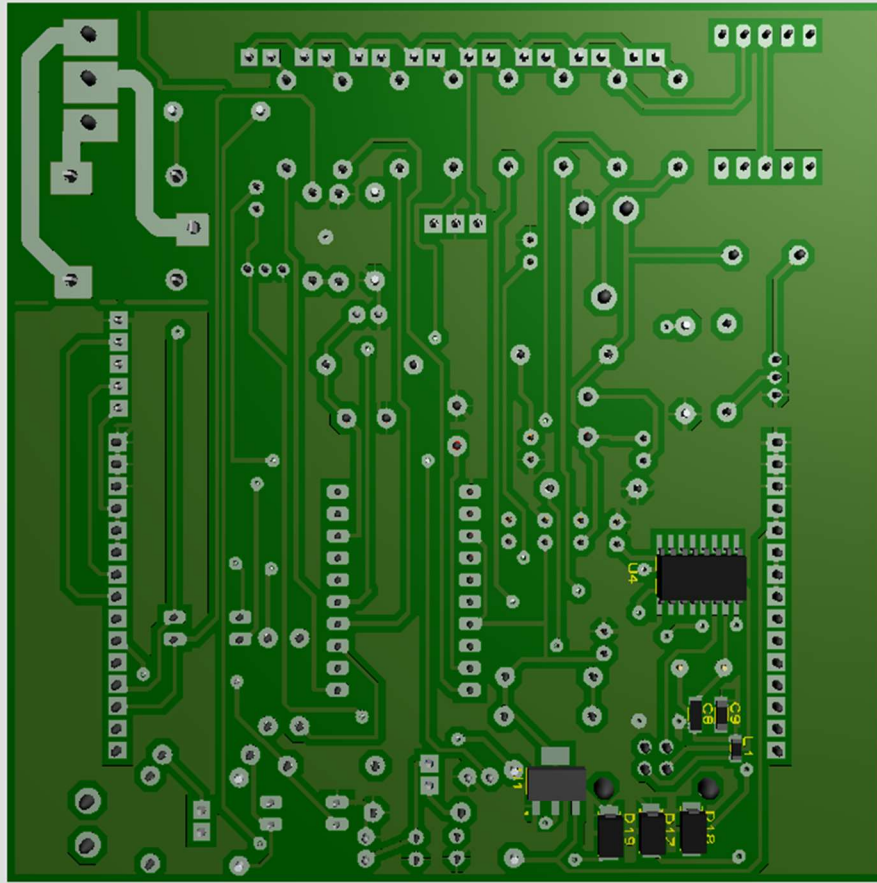
**ALT KATMAN YERLEŞİM PLANI**



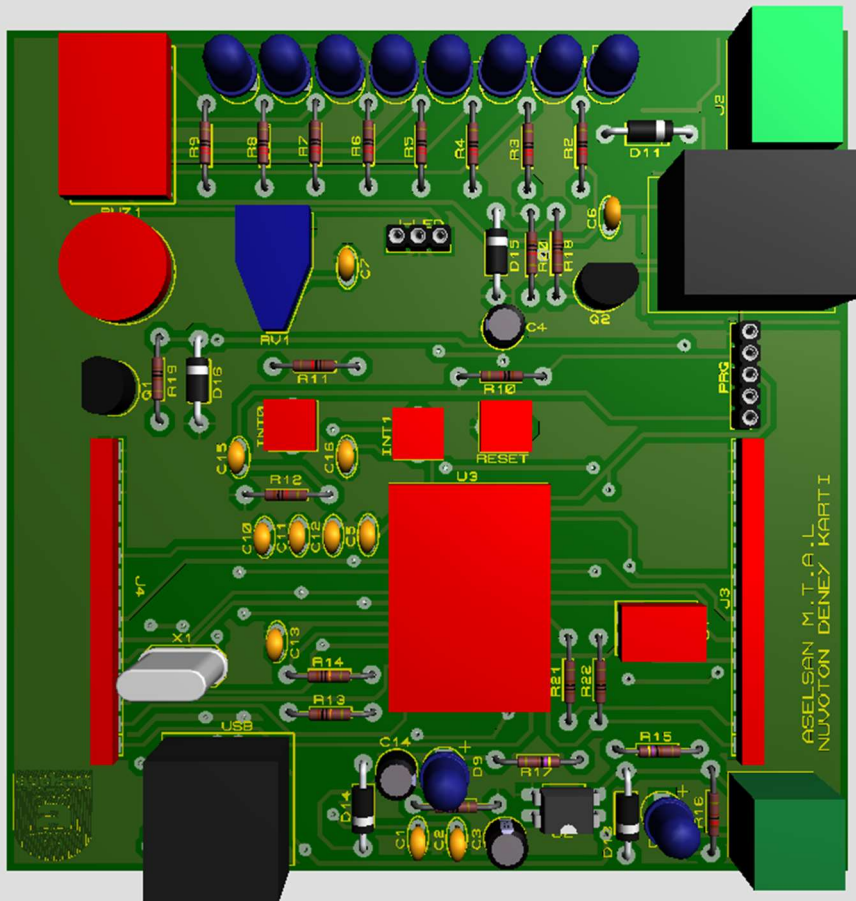
## Bill Of Materials for NVT\_DENEY\_KARTI

Design Title NVT\_DENEY\_KARTI  
Author  
Document Number  
Revision  
Design Created 25 Nisan 2023 Sali  
Design Last Modified 25 Nisan 2023 Sali  
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		
2	C5,C10	1uF		
2	C8-C9	22pF		
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	LM 1117M P-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-D8,D17-D18			
2	D9,D12	LED		
1	D10	7_SEG_CC_14MM		
3	D11,D15-D16	1N5817		
2	D13-D14	1N4001		
1	D19	3 x SMAJ7.04		
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	TBLOCK-I2		
1	INT0	6x6 2 pin tach buton		
1	INT1	6x6 2 pin tack buton		
1	J2	TBLOCK-I3		
2	J3-J4	OYKU CONN		
1	J-LED	CONN-SIL3		
1	L1	MMZ2012R300A		
1	PRG	CONN-SIL5		
1	RESET	6x6		
1	RL1	G5CLE-14-DC5		
1	RV1	10K		
1	S1	2_PIN_DIP_SWITCH		
1	USB	CONN-H4		
1	X1	12M Hz	RE S038	
Sub-totals:				₺0,00
Totals:				₺0,00



## ALT KATMAN 3D GÖRÜNTÜ



## ÜST KATMAN 3D GÖRÜNTÜ