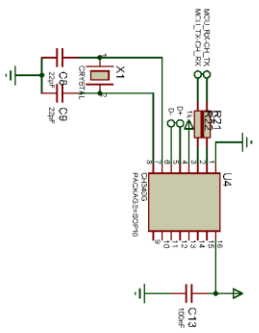




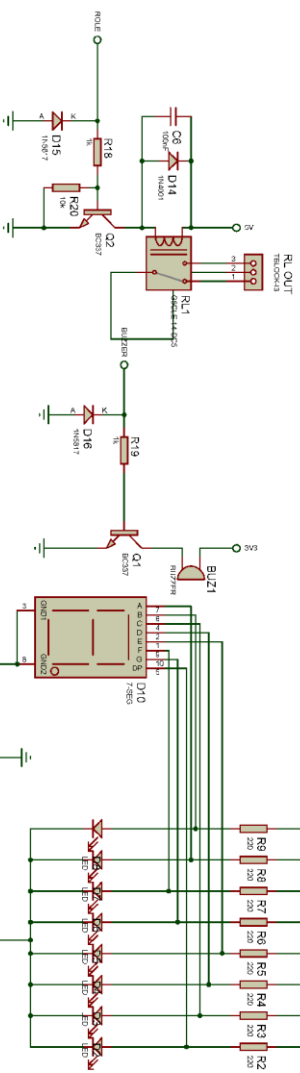
Taha KOZANLI

18- 11/B

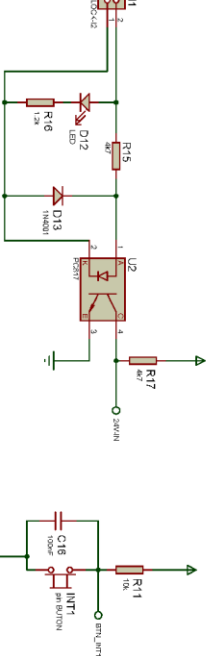
Nuvoton M031FB0AE Geliştirme kartı tanıtım dökümanı.



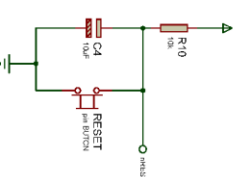
USB->UART DÖNÜŞTÜRÜCÜ



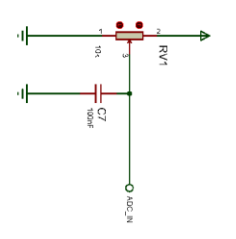
ÇIKIŞ BİRİMLERİ



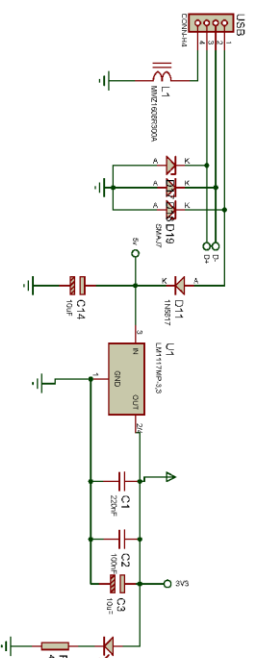
DİJİTAL GİRİŞ BİRİMLERİ



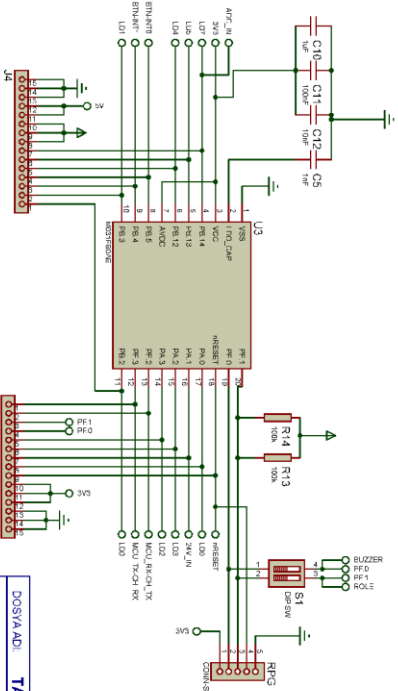
RESET DEVRESİ



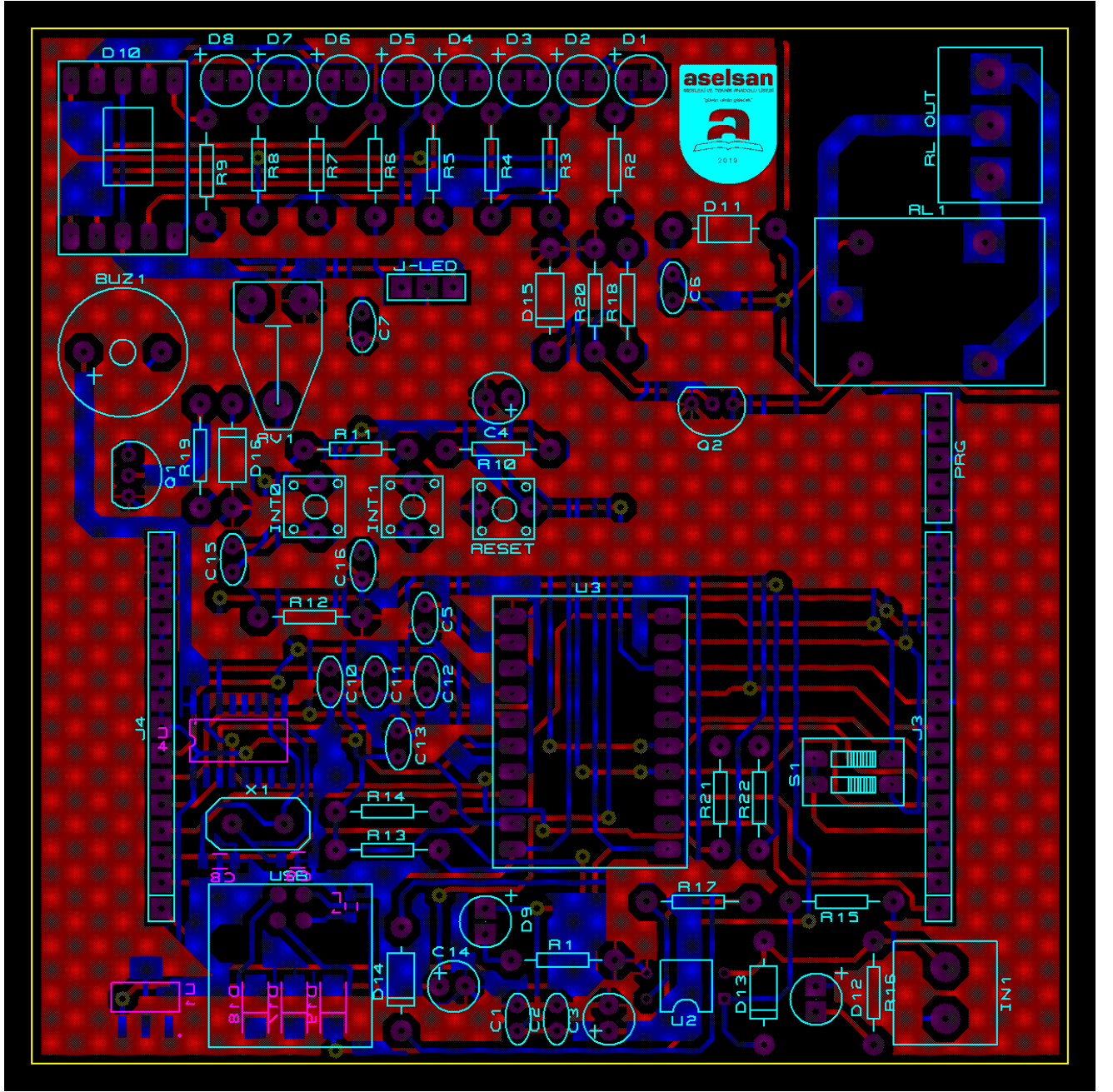
ANALOG TEST BİRİMİ



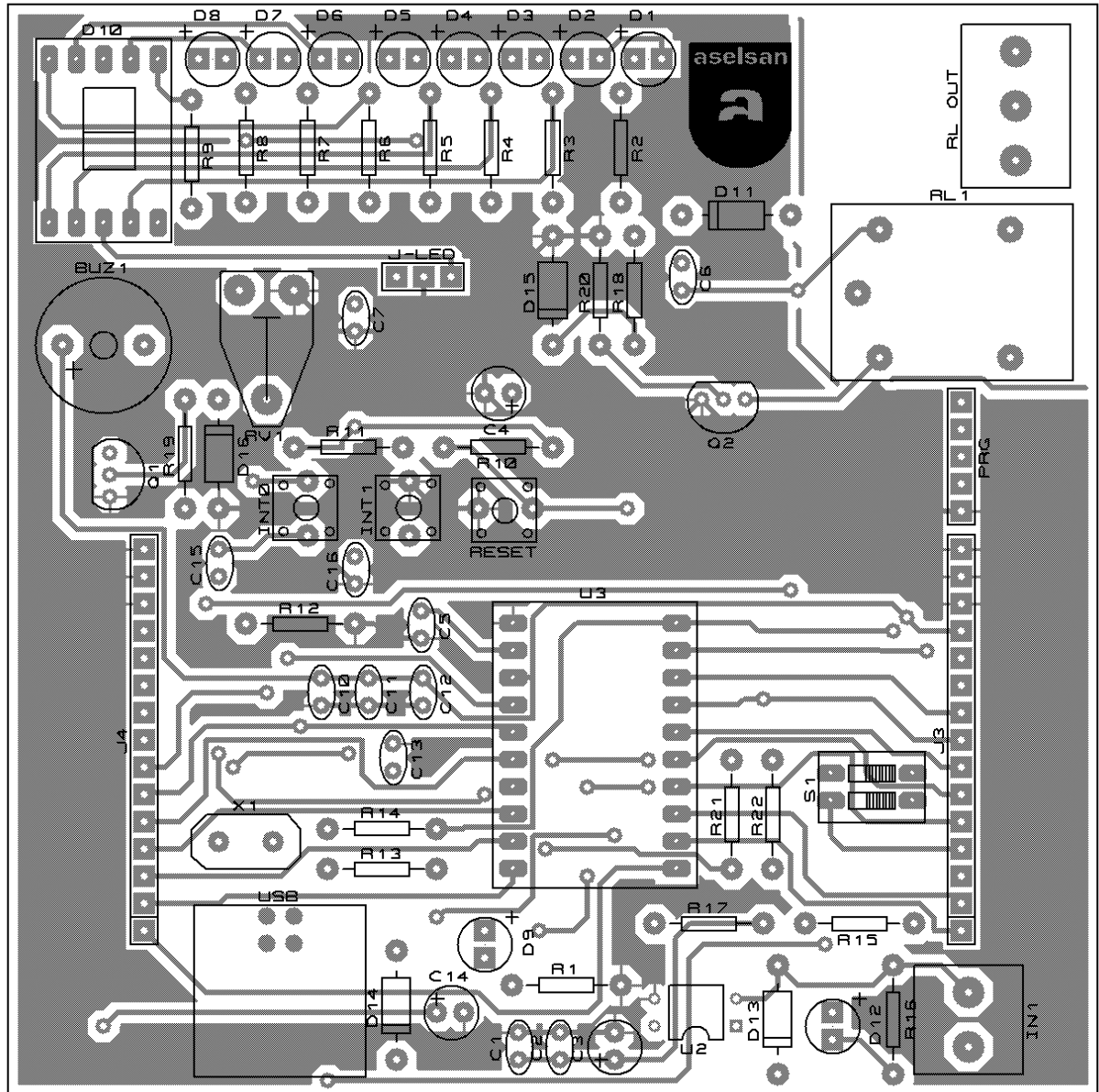
GÜÇ GİRİŞİ



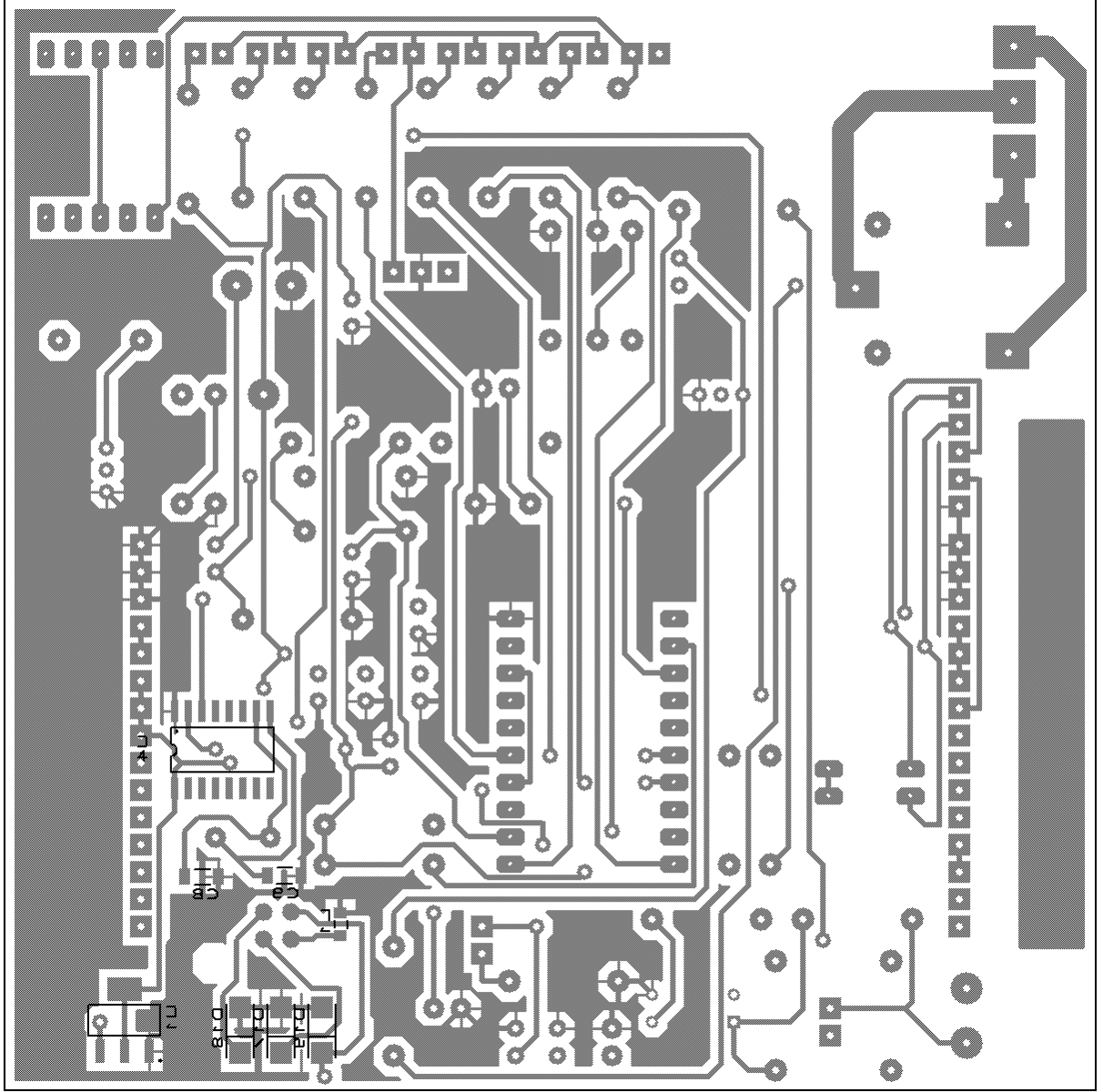
MCU BİRİMİ



GENEL BASKI DEVRE GÖRÜNÜŞÜ



ÜST KATMAN YERLEŞİM PLANI



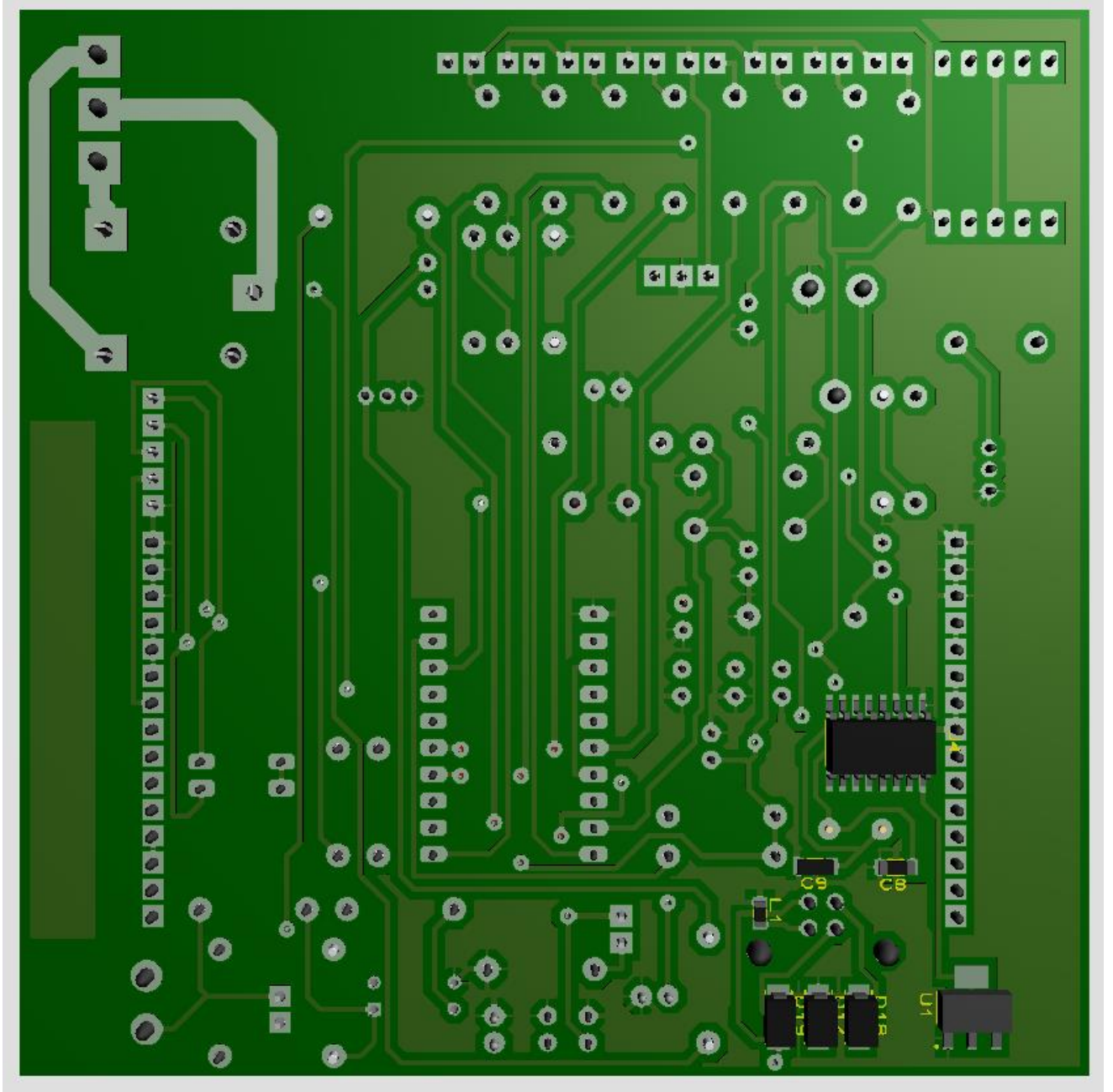
ALT KATMAN YERLEŞİM PLANI

Bill Of Materials for tahakozanli18

Design Title tahakozanli18
Author
Document Number
Revision
Design Created 25 Nisan 2023 Salı
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	LM 1117MP-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		
4	D11,D13-D15	1N4001		
1	D16	1N5817		
3	D17-D19			
Sub-totals:				₺0,00
16 Miscellaneous				
Quantity	References	Value	Stock Code	Unit Cost
1	BUZ1	BUZZER		
1	IN1	TBLOCK-I2		
4	INT0-INT1,L1,RESET			
2	J3-J4	CONN_NUVOTON		
1	J-LED	CONN-SIL3		
1	PRG	CONN-SIL5		
1	RL1	G5CLE-14-DC5		
1	RL OUT	TBLOCK-I3		
1	RV1	TRIMPOT		
1	S1	2_PiN_DIP_SWITCH		
1	USB	CONN-H4		
1	X1	CRYSTAL	RES038	
Sub-totals:				₺0,00
Totals:				₺0,00





ALT KATMAN 3D GÖRÜNTÜ