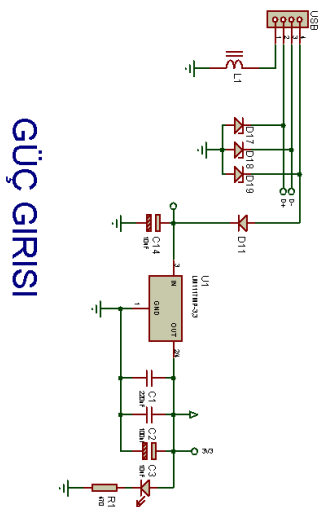




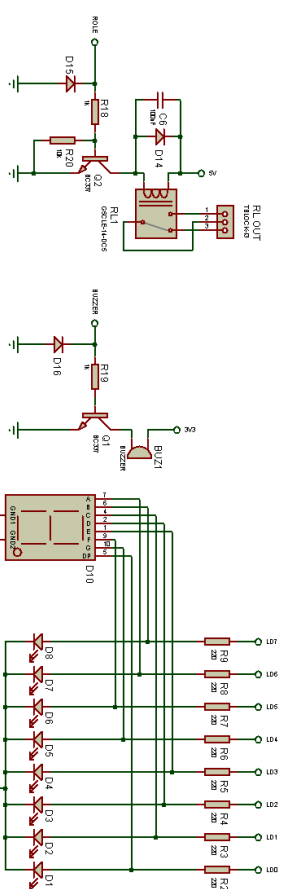
11/B - 45

Baran Ilke Yaman

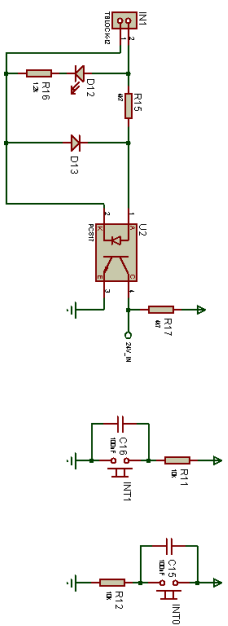
Nuvoton M031FB0AE Geliştirme kartı  
tanıtım dökümanıdır.



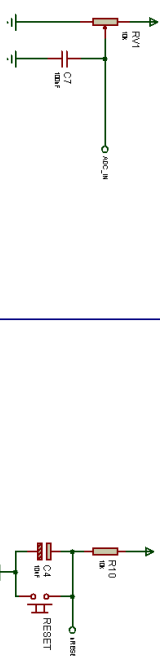
## GÜÇ GİRİŞİ



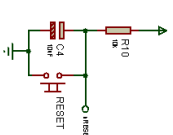
## ÇIKIŞ BİRLERİ



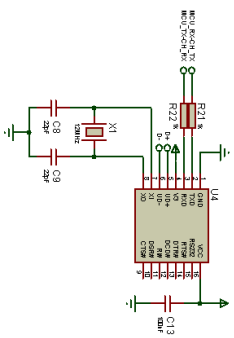
## DİJİTAL GİRİŞ BİRLERİ



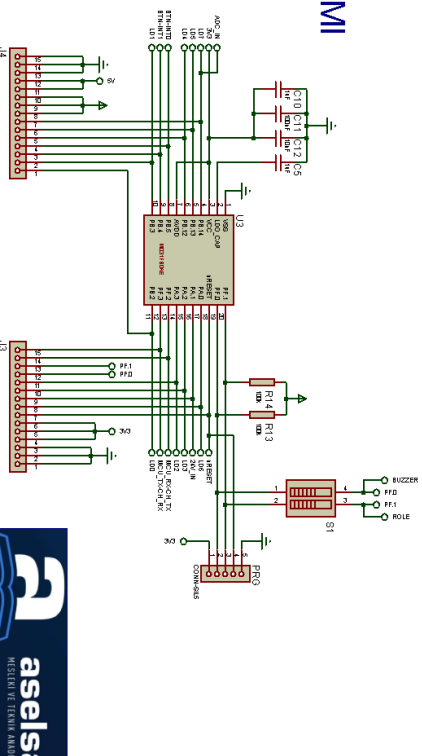
## ANALOG TEST BİRLİMİ



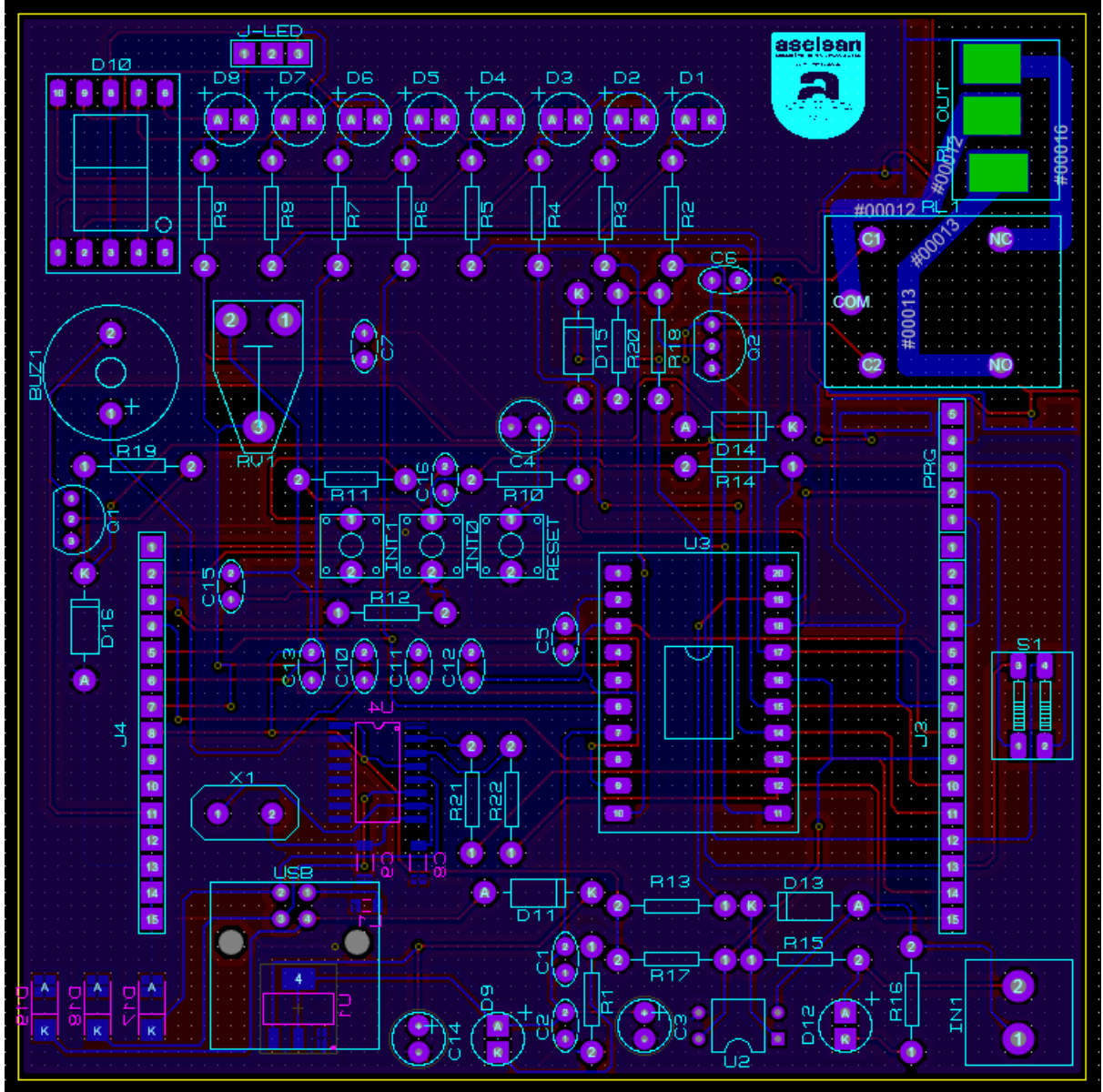
## RESET DEVRESİ



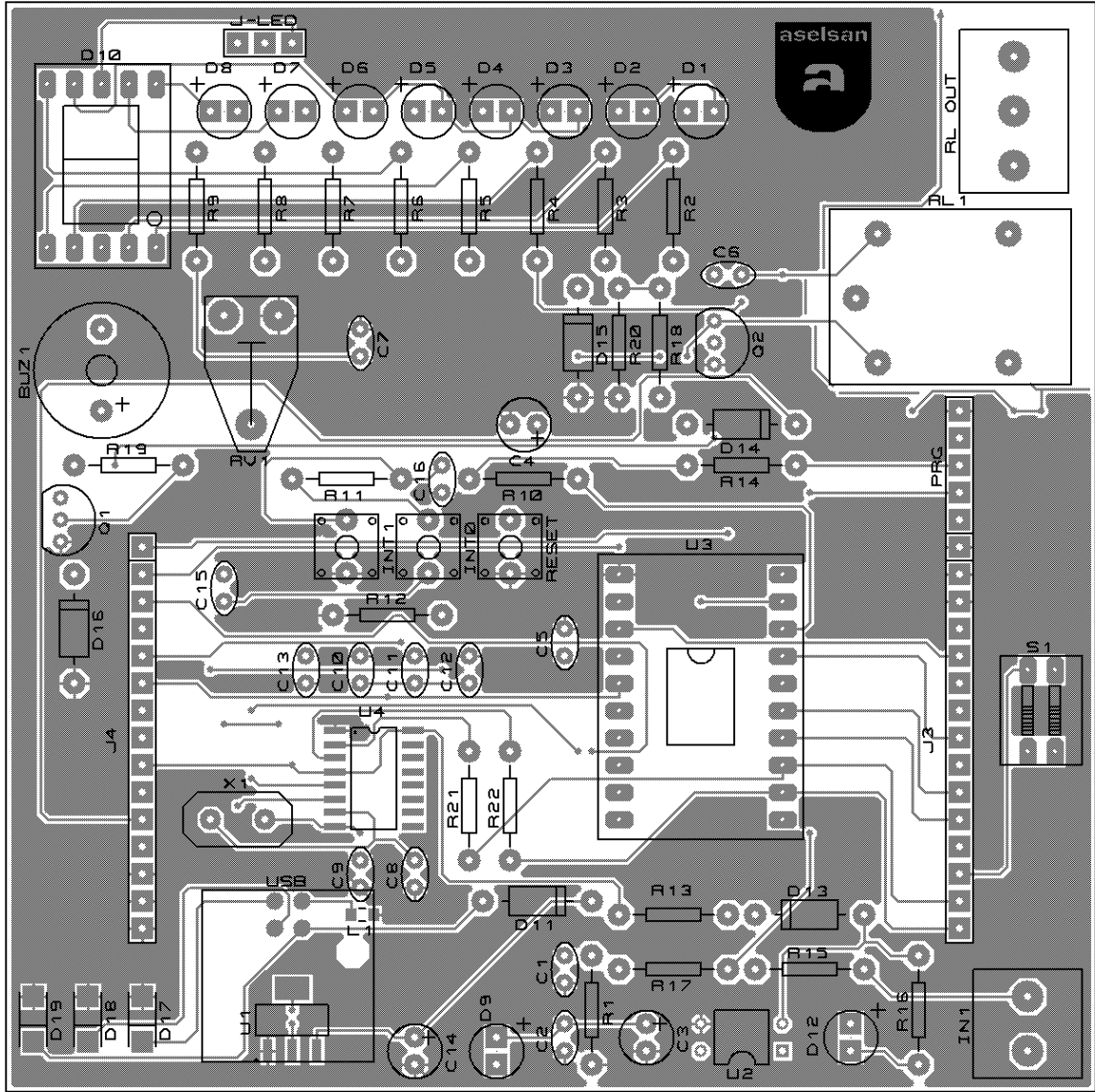
## MCU BİRLİMİ



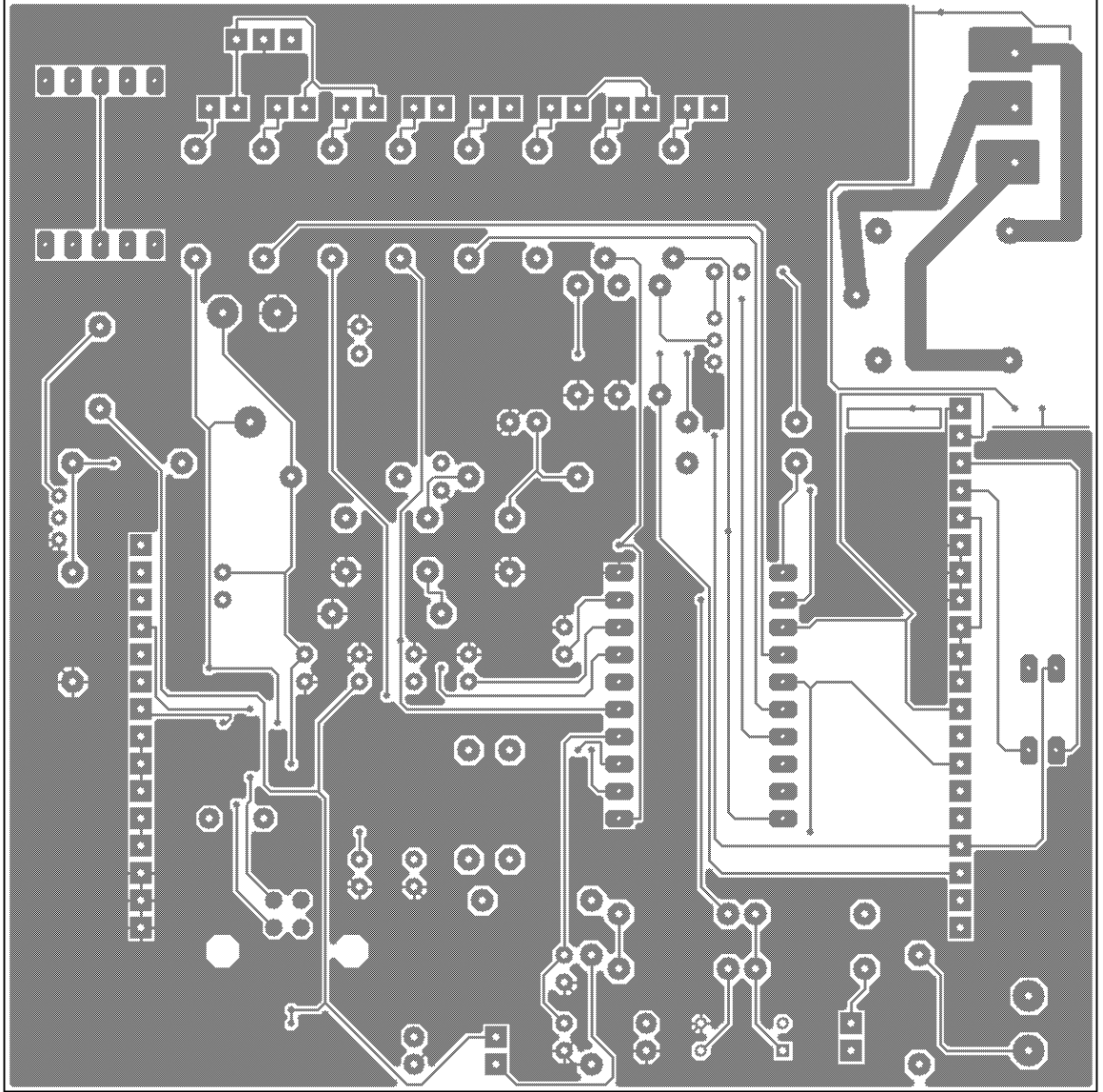
## USB -> UART DÖNÜSTÜRÜCÜ



GENEL BASKI DEVRE GÖRÜNÜŞÜ



ÜST KATMAN YERLEŞİM PLANI

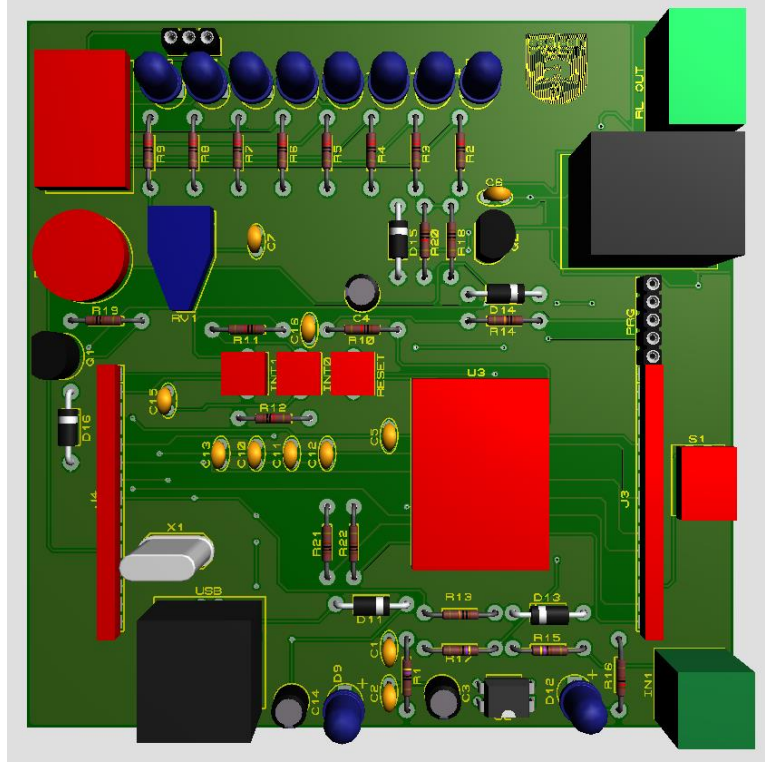


ALT KATMAN YERLEŞİM PLANI

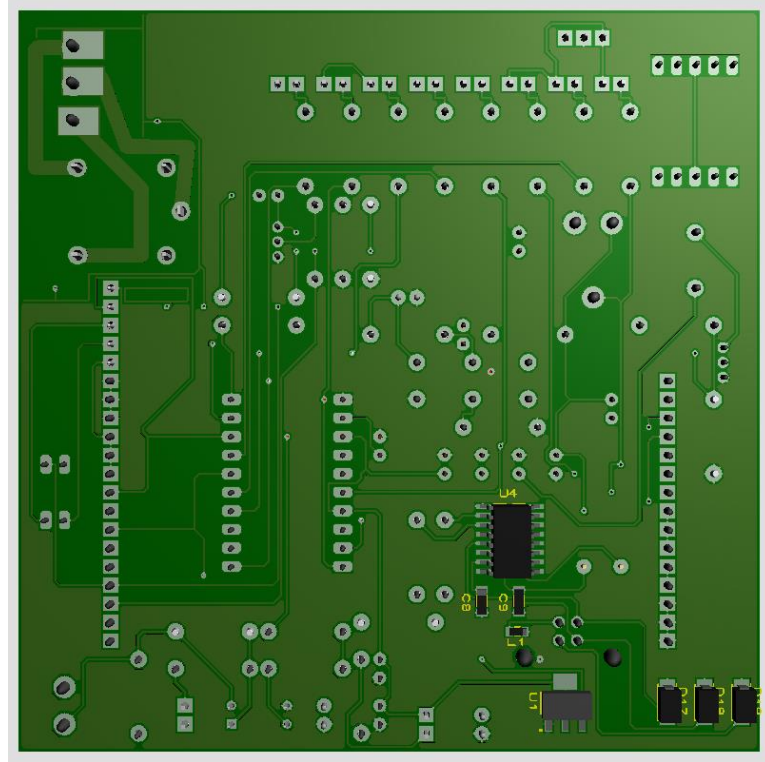
## Bill Of Materials for hadiolm

Design Title hadiolm  
Author  
Document Number  
Revision  
Design Created Sunday, April 9, 2023  
Design Last Modified Tuesday, April 25, 2023  
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		
4	R18-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		
2	U3-U4			
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
10	D1-D9,D12	LED		
1	D10			
5	D11,D13-D16	DIODE		
3	D17-D19	DIODE-ZEN		
Sub-totals:				\$0.00
16 Miscellaneous				
Quantity	References	Value	Stock Code	Unit Cost
1	BUZ1	BUZZER		
1	IN1	TBLOOK-I2		
6	INT0-INT1,J3-J4,RESET,S1			
1	J-LED	CONN-SIL3		
1	L1	MPZ1005S300C		
1	PRG	CONN-SIL5		
1	RL1	G5CLE-14-DC5		
1	RL OUT	TBLOOK-I3		
1	RV1	10k	Digikey 3214-J1-200EDK-RND	
1	USB	CONN-H4		
1	X1	12MHz	RES038	
Sub-totals:				\$0.00
Totals:				\$0.00



ÜST KATMAN 3D GÖRÜNTÜ



ALT KATMAN 3D GÖRÜNTÜ