

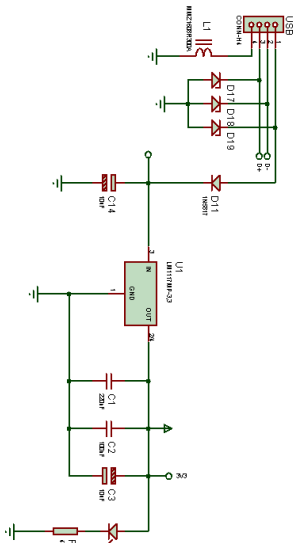
# 11/B 34

## İdil Aelya NOYAN

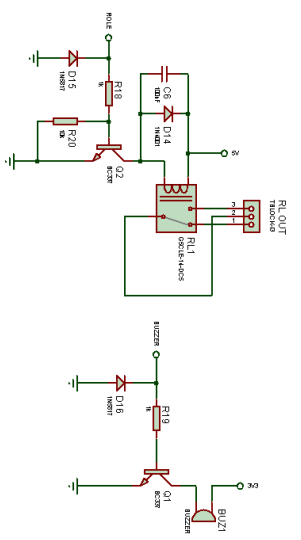
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### Nuvoton M031FB0AE Geliřtirme kartı tanıtım dökümanıdır.

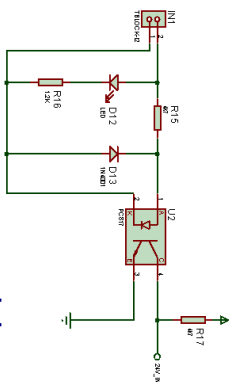
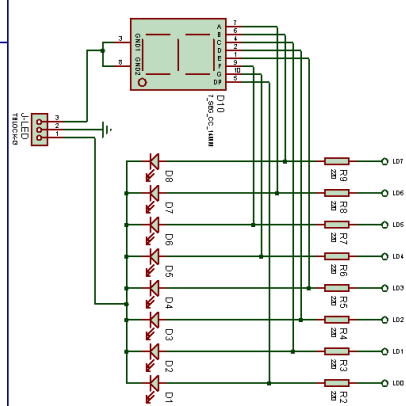
Bu belge geliřtirdiđimiz kartın özelliklerini temel düzeyde  
gösteren bir dokümanıdır.



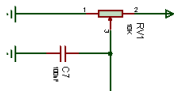
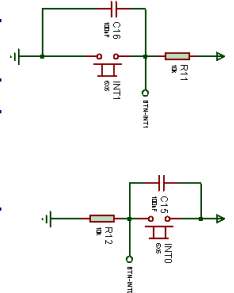
## GÜÇ GİRİŞİ



## ÇIKIŞ BİRİMLERİ

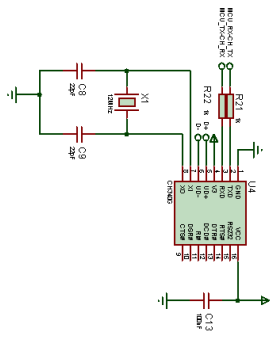
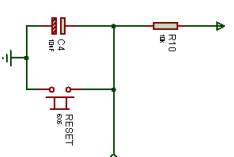


## DİJİTAL GİRİŞ BİRİMLERİ



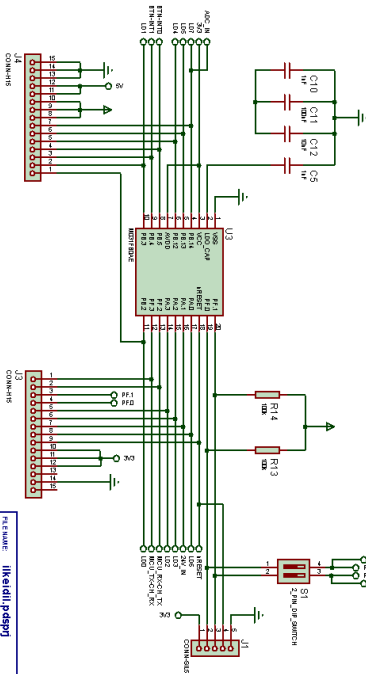
## ANALOG TEST BİRİMİ

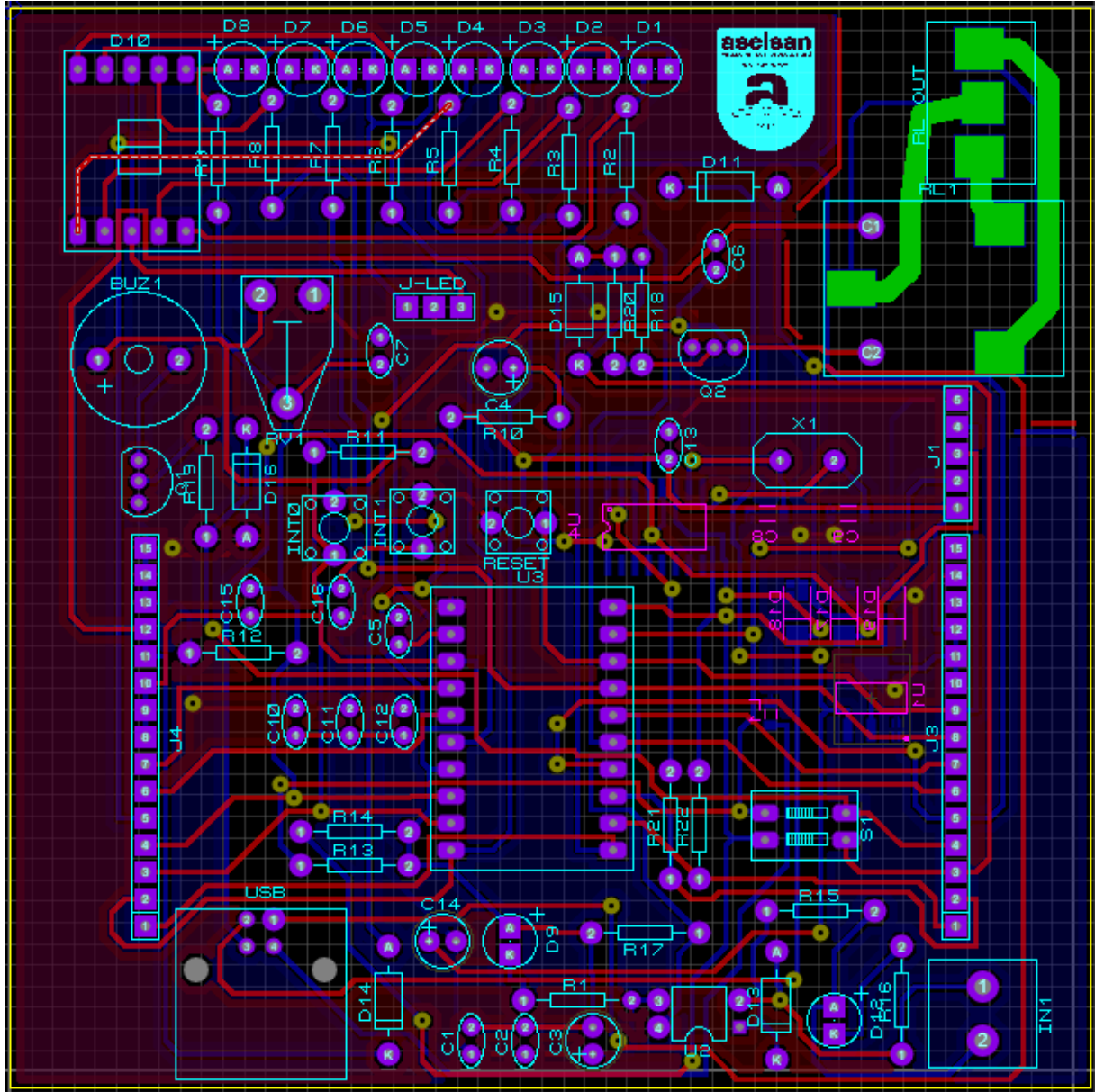
## RESET DEVRESİ



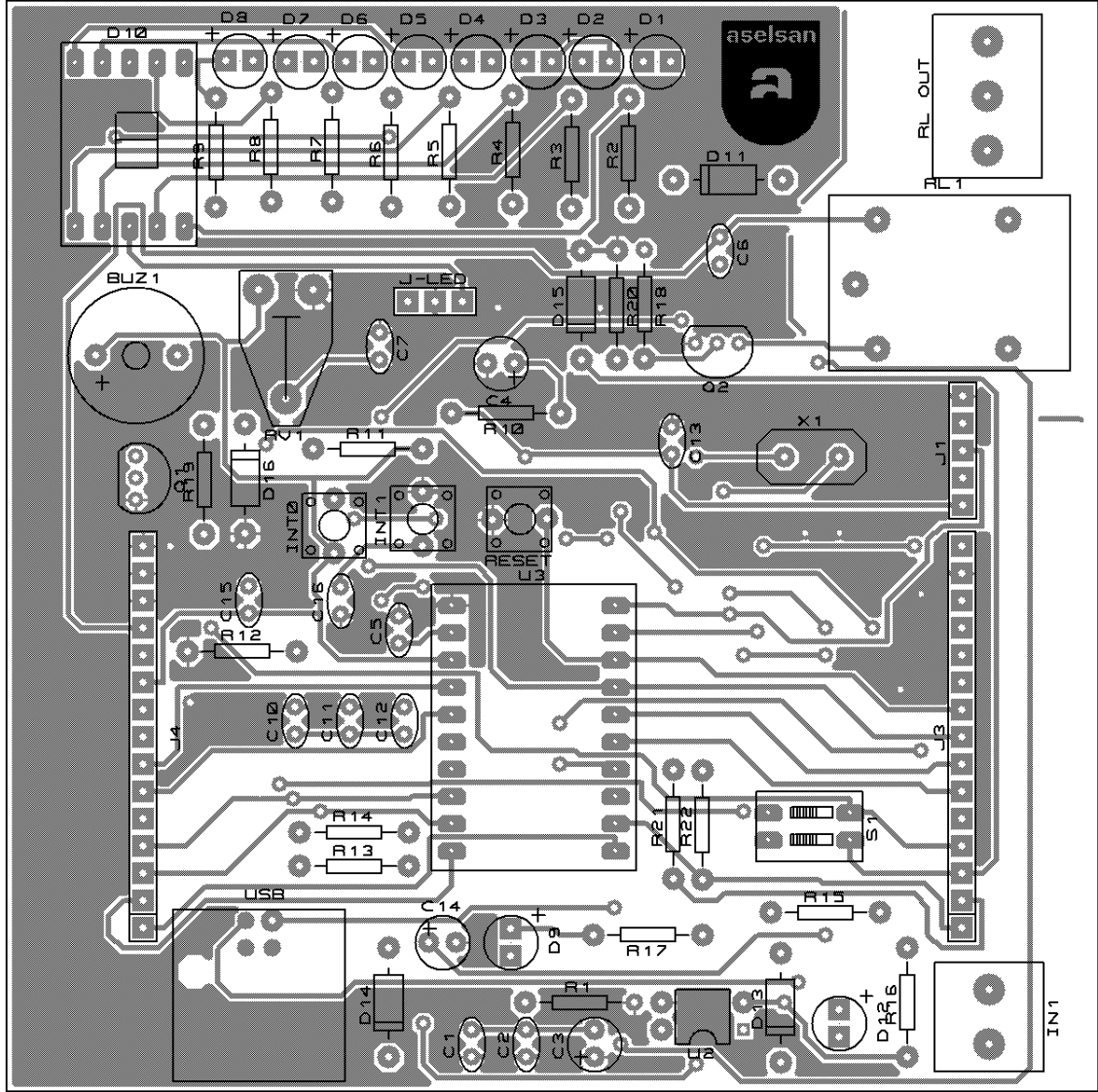
## USB -> UART DÖNÜŞTÜRÜCÜ

## MCU BİRİMİ

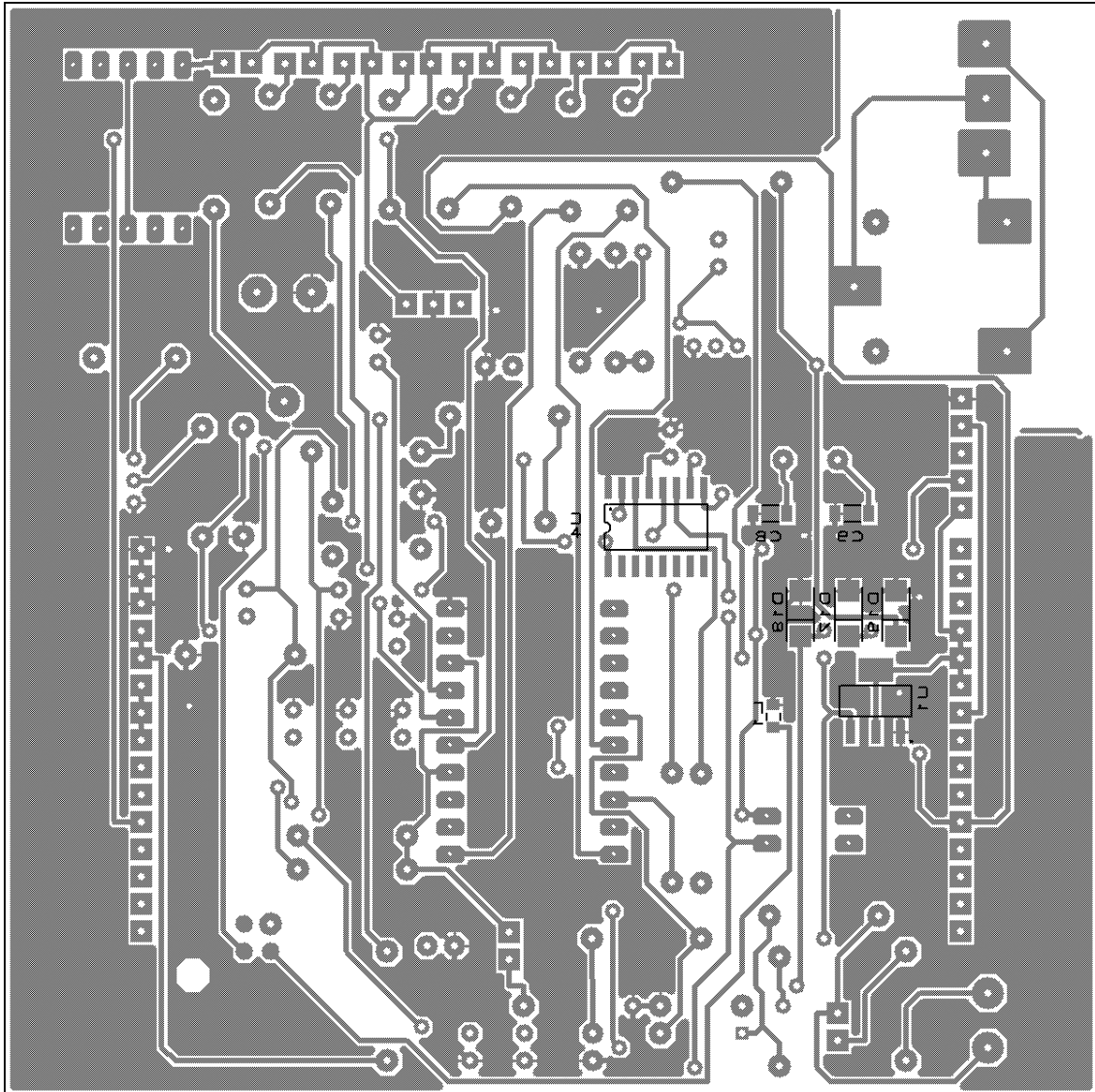




GENEL BASKI DEVRE GÖRÜNÜŞÜ



ÜST KATMAN YERLEŞİM PLANI



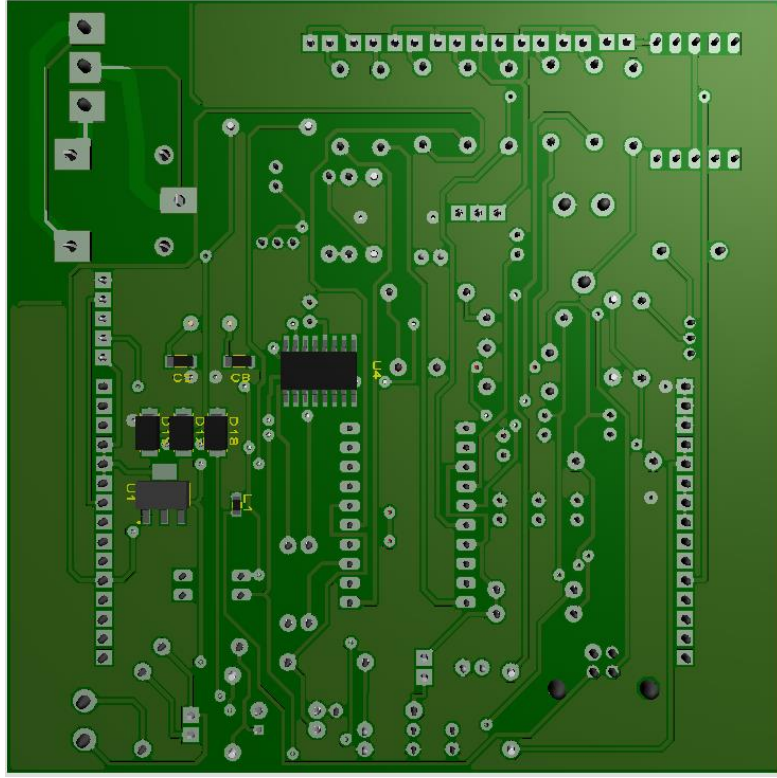
## ALT KATMAN YERLEŞİM PLANI

## Bill Of Materials for idilacelya

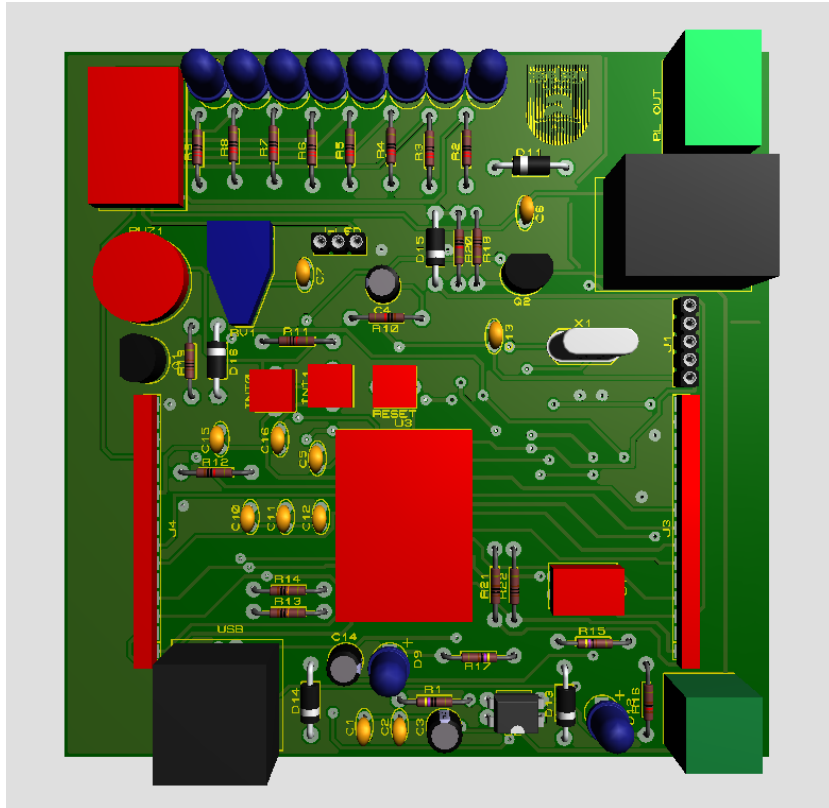
Design Title idilacelya  
Author  
Document Number  
Revision  
Design Created 7 Nisan 2023 Cuma  
Design Last Modified 7 Nisan 2023 Cuma  
Total Parts in Design 79

0 Modules		
Quantity	References	Value
Subtotals:		
16 Capacitors		
Quantity	References	Value
1	C1	220pF
7	C2,C5-C7,C11,C13,C15,C16	100nF
3	C3-C4,C14	10uF
2	C5,C10	1uF
2	C8-C9	22pF
1	C12	10nF
Subtotals:		
22 Resistors		
Quantity	References	Value
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
Subtotals:		
4 Integrated Circuits		
Quantity	References	Value
1	U1	LM1117MP3.3
1	U2	PCB17
1	U3	M31FBD0AE
1	U4	CH4003
Subtotals:		
2 Transistors		
Quantity	References	Value
2	Q1-Q2	BC107
Subtotals:		
19 Diodes		
Quantity	References	Value
11	D1-D5,D17-D19	
2	D6,D12	LED
1	D10	7 SEG CC 14MM
3	D11,D15-D16	1N6517
2	D13-D14	1N4001
Subtotals:		
16 Miscellaneous		
Quantity	References	Value
1	BUZ1	Buzzer
1	IN1	TBLOOK-2
3	INT0,INT1,RESET	6V6
1	J1	CONN-SIL5
2	J3-J4	CONN-H15
2	J1,LEDRL,OUT	TBLOOK-8
1	L1	MMZ1608R000A
1	RL1	G50LS-14-DC5
1	RV1	10K
1	S1	2 PIN DP SWITCH
1	USB	CONN-H4
1	X1	12MHz
Subtotals:		

Total:



ALT KATMAN 3D GÖRÜNTÜ



ÜST KATMAN 3D GÖRÜNTÜ