



aselsan

MESLEKİ VE TEKNİK ANADOLU LİSESİ

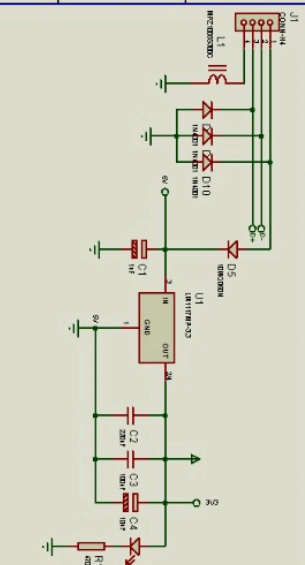
“güven veren gelecek”

11/A - İhsan Emre Öcal

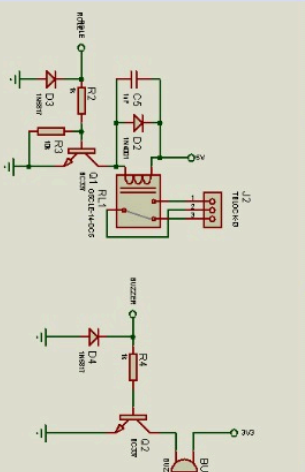
*Nuvoton M031FB0AE Geliştirme kartı tanıtım
dökümanıdır.*

Bu belge geliştirdiğimiz kartın özelliklerini temel düzeyde gösteren bir dokümandır.

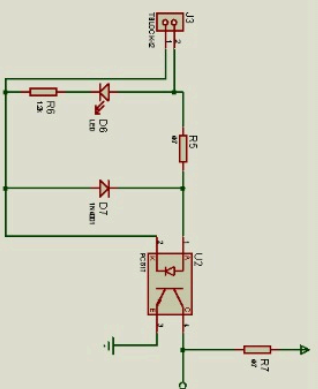
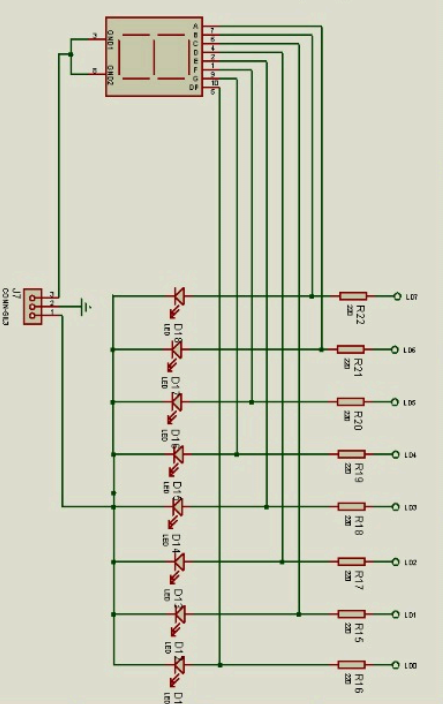
26.04.2023



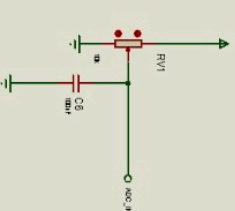
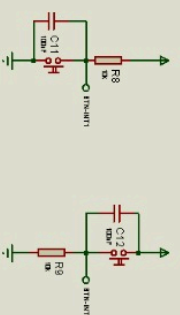
GÜÇ GİRİŞİ



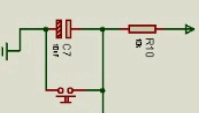
ÇIKIŞ BİRİMLERİ



DİJİTAL GİRİŞ BİRİMLERİ

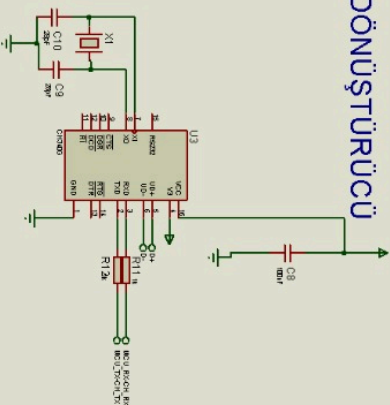


ANALOG DİJİTAL BİRİMİ

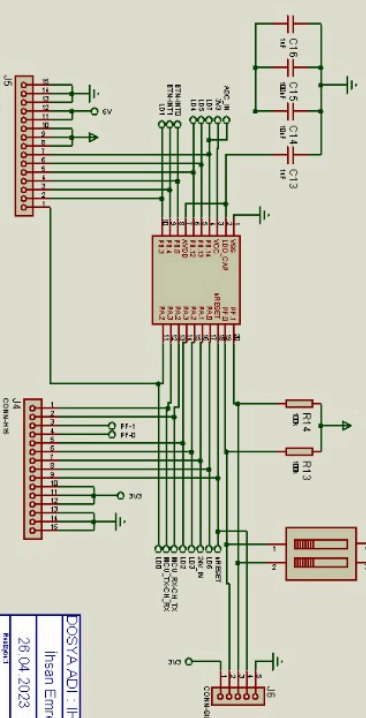


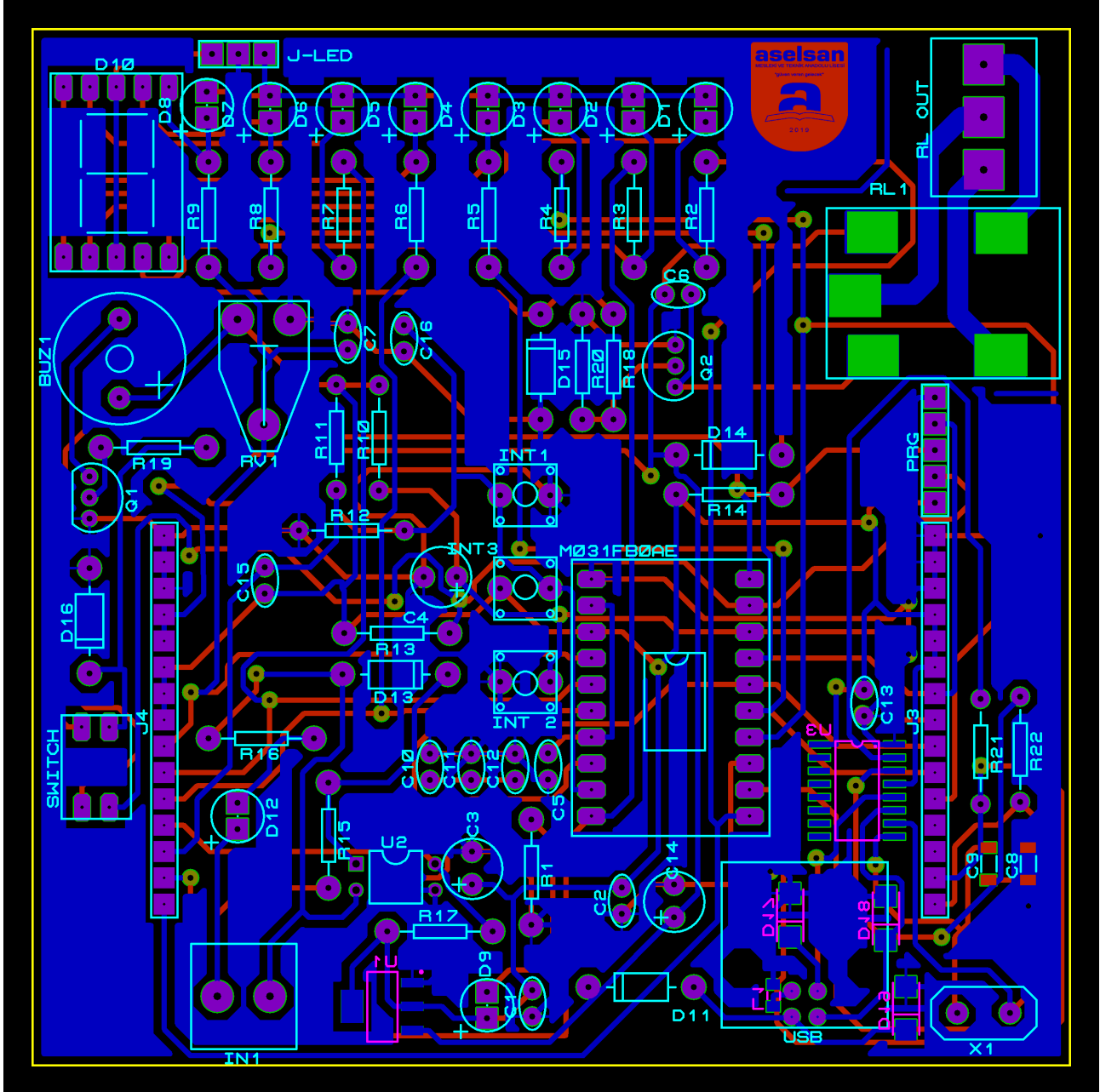
RESET DEVRESİ

USB => UART DÖNÜŞTÜRÜCÜ

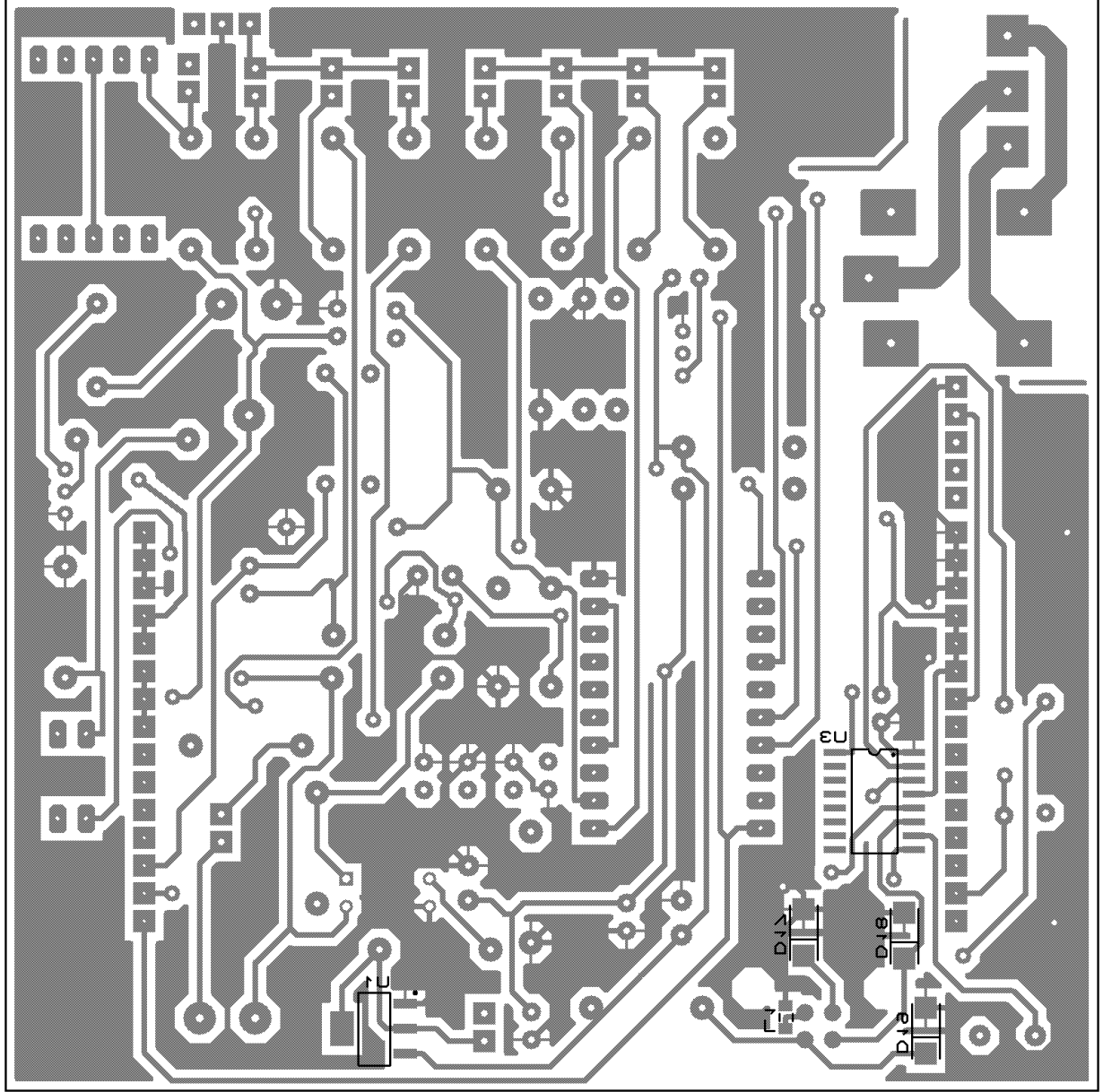


MCU BİRİMİ





GENEL BASKI DEVRE GÖRÜNÜŞÜ



ALT KATMAN YERLEŞİM PLANI

Bill Of Materials for İHSAN EMRE

Design Title İHSAN EMRE
Author
Document Number
Revision
Design Created 26 Nisan 2023 Çarşamba
Design Last Modified 26 Nisan 2023 Çarşamba
Total Parts In Design 79

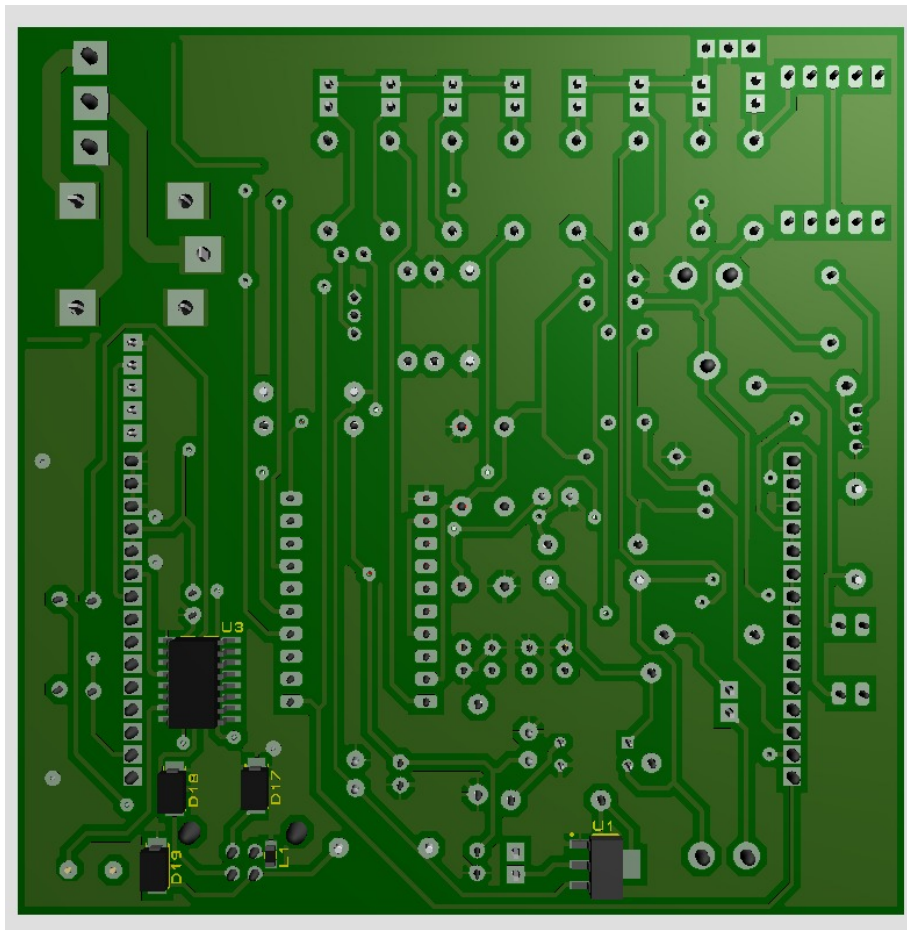
1 Modules				
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	M031FB0AE			
Sub-totals:				₺0,00
16 Capacitors				
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	C1	220nF		
6	C2,C7,C11,C13,C15-C16	100nF		
2	C3-C4	10uF		
3	C5,C10,C14	1uF		
1	C6	1nF		
2	C8-C9	28pF		
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
3 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			
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-D9,D12	LED		
1	D10			
2	D11,D15	1N5817		
6	D13-D14,D16-D19	1N4001		
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		

4	INT1,INT3,INT 2,SWITCH		
2	J3-J4	CONN-H15	
1	J-LED	CONN-SIL3	
1	L1	MPZ1005S300C	
1	PRG	CONN-SIL5	
1	RL1	G5CLE-14-DC5	
1	RL OUT	TBLOCK-I3	
1	RV1	10k	
1	USB	CONN-H4	
1	X1	CRYSTAL	RES038

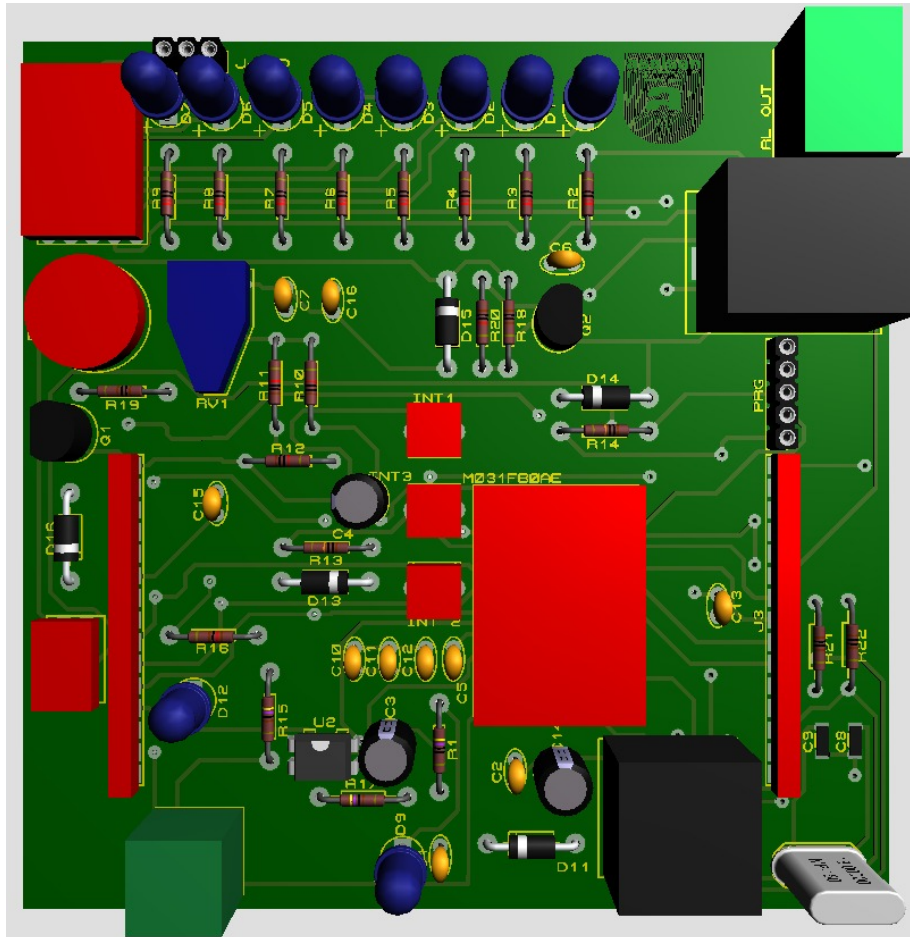
Sub-totals: ₺0,00

Totals: ₺0,00

27 Nisan 2023 Perşembe 09:21:32



ALT KATMAN 3D GÖRÜNTÜ



ÜST KATMAN 3D GÖRÜNTÜ