



aselsan

MESLEKİ VE TEKNİK ANADOLU LİSESİ

“güven veren gelecek”

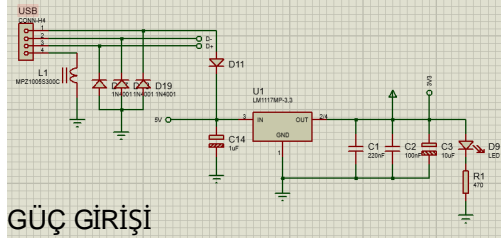
11/A-1

Ar d a Mutlu

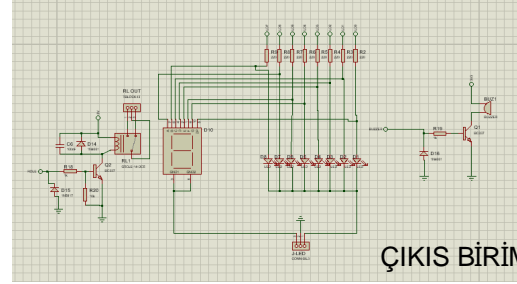
*Nuvoton M031FB0AE Geliştirme kartı tanıtım
dökümanıdır.*

Bu belge geliştirdiğimiz kartın özelliklerini temel düzeyde gösteren bir dokümandır.

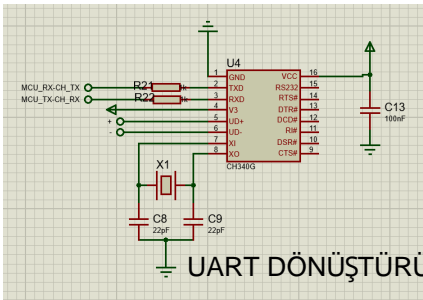
15.04.2023



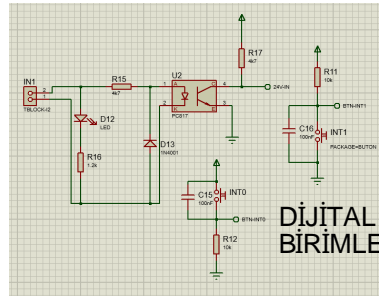
GÜÇ GİRİŞİ



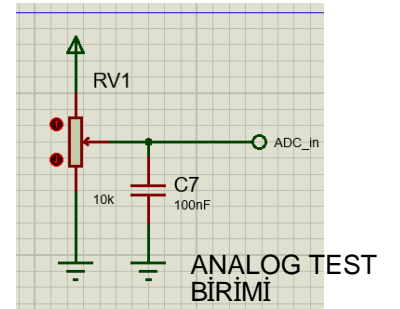
ÇIKIS BİRİMLERİ



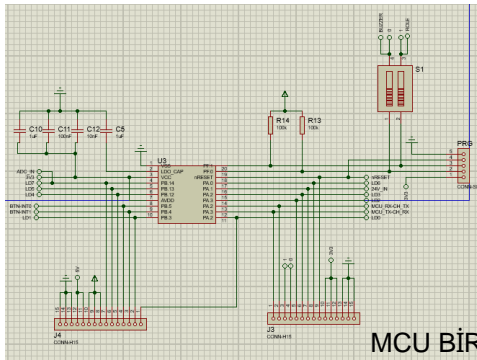
UART DÖNÜŞTÜRÜCÜ



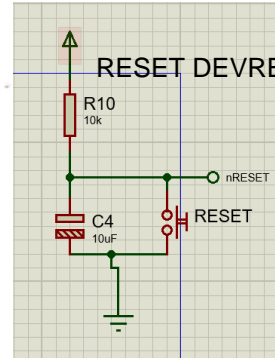
DİJİTAL GİRİŞ BİRİMLERİ



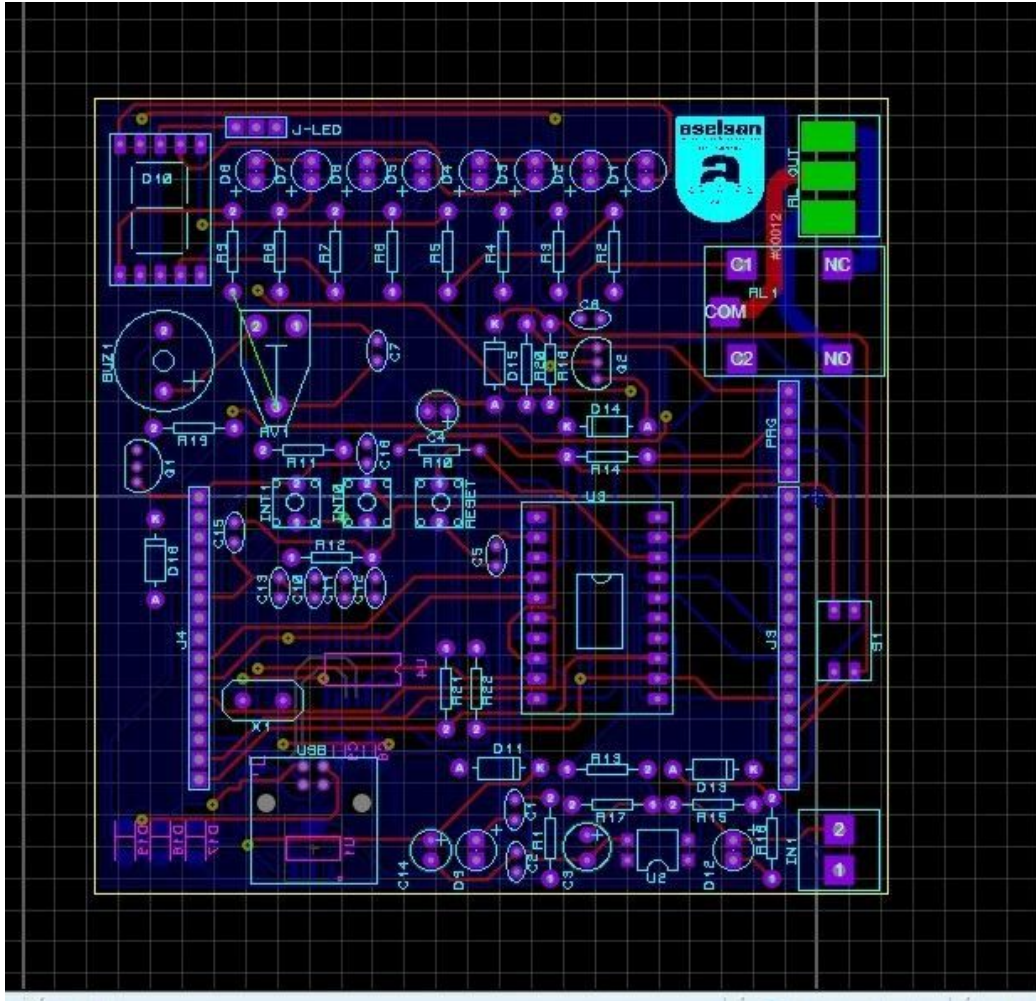
ANALOG TEST BİRİMİ



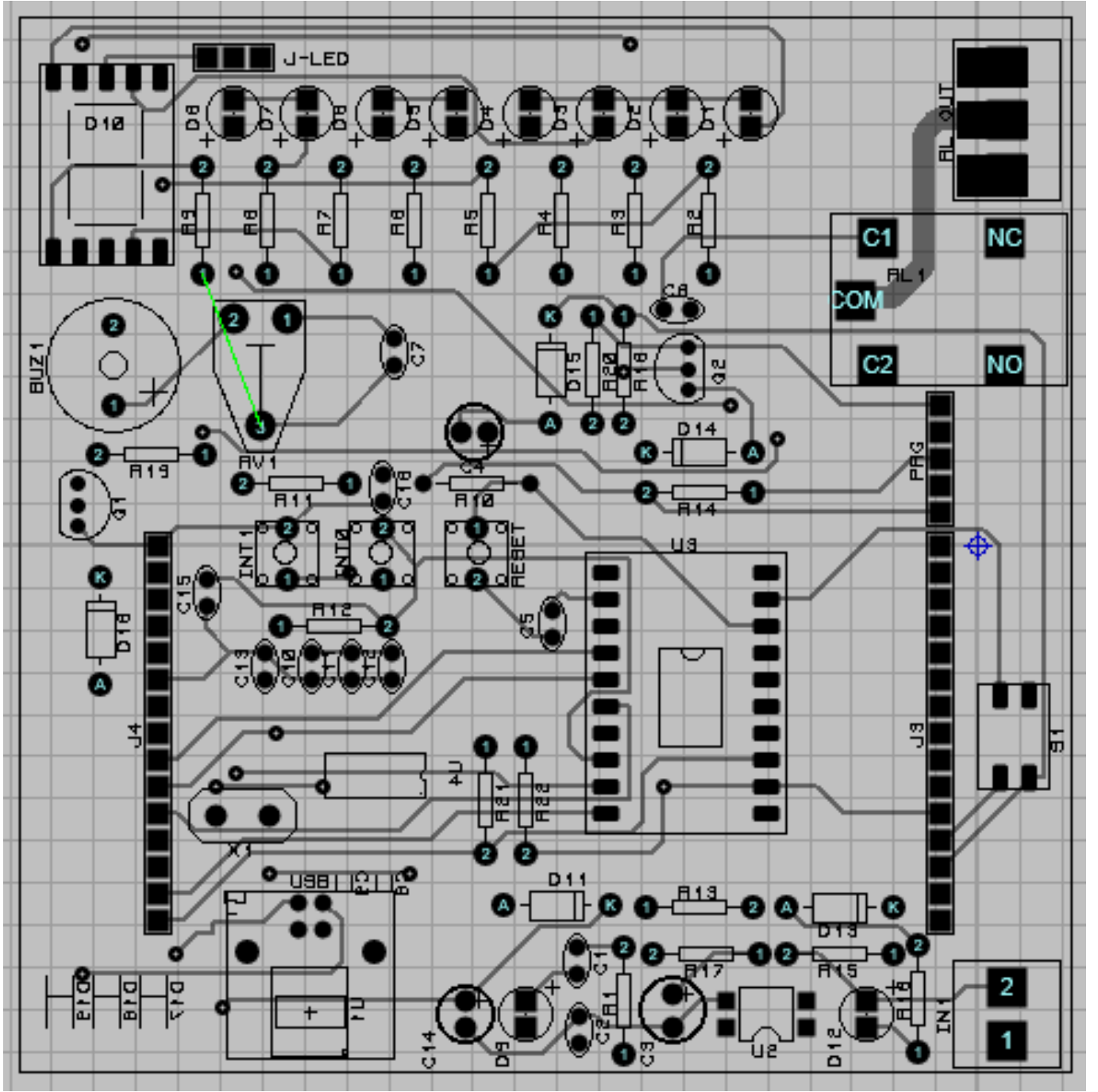
MCU BİRİMİ



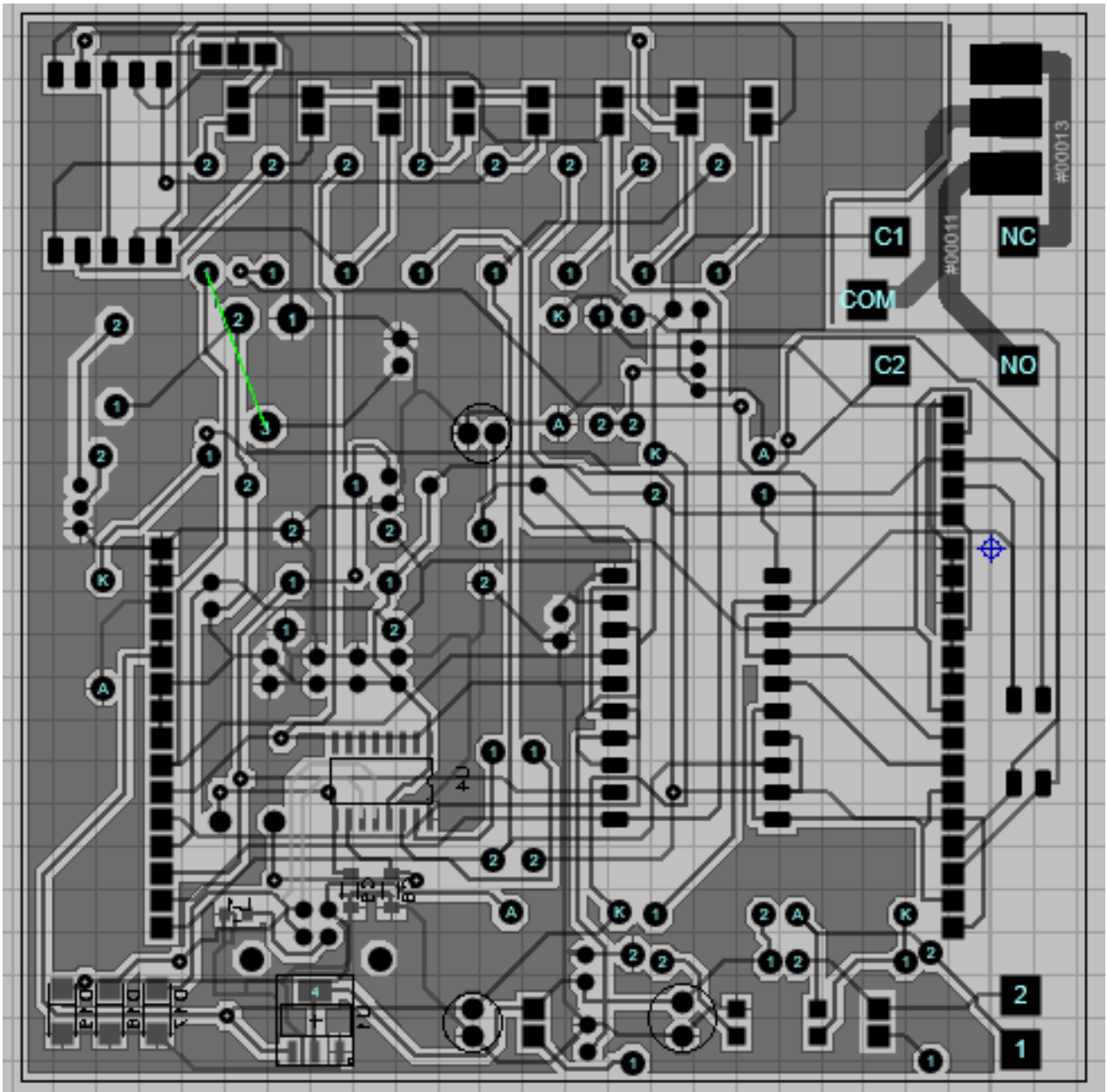
RESET DEVRESİ



GENEL BASKI DEVRE GÖRÜNÜŞÜ

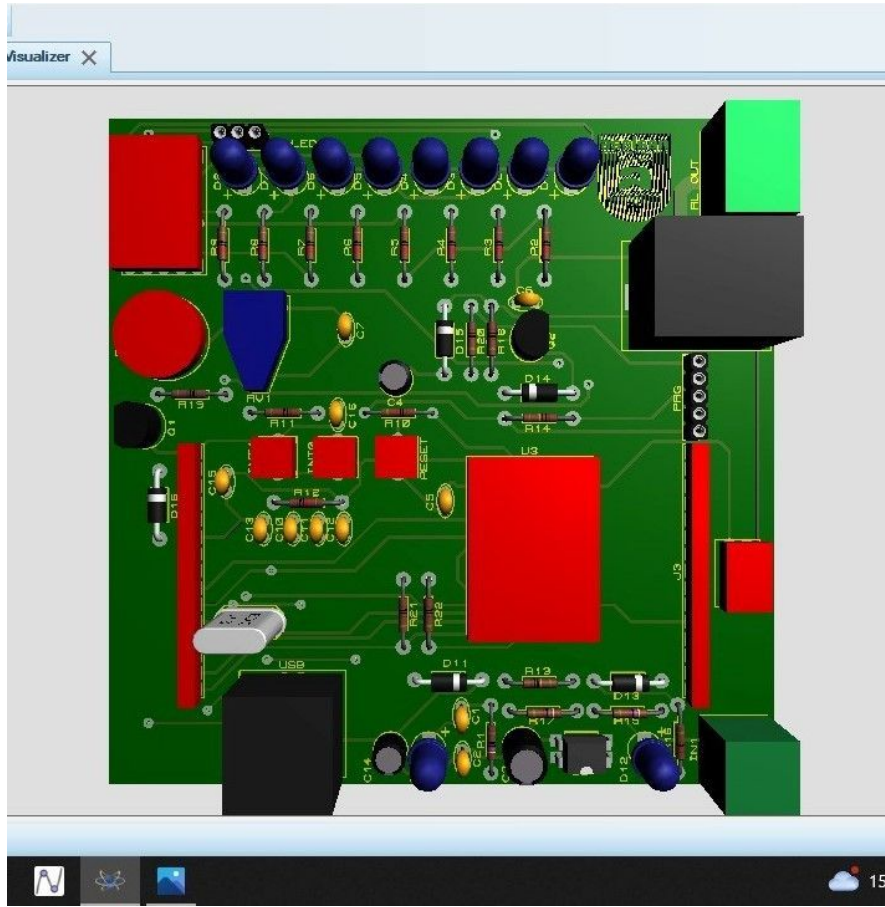
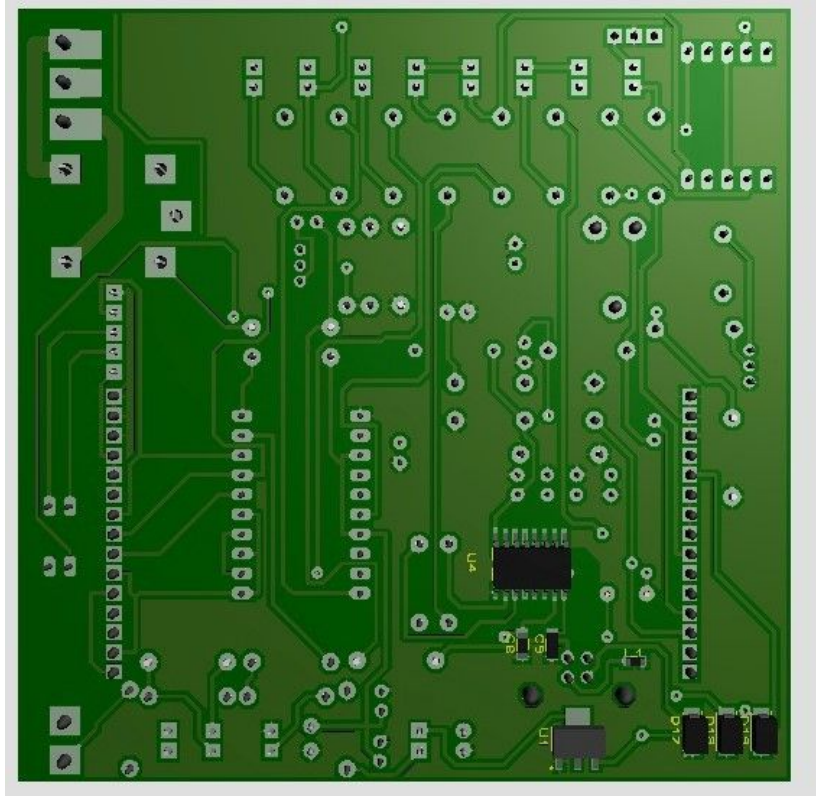


ÜST KATMAN YERLEŞİM PLANI



ALT KATMAN YERLEŞİM PLANI

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		
2	C3-C4	10uF		
3	C5, C10, C14	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	LM1117MP-3,3		
1	U2	PC817		
1	U3			
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-D9, D12	LED		
2	D10-D11			
6	D13-D14, D16-D19	1N4001		
1	D15	1N5817		
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	INT0-INT1, RESET, S1			
2	J3-J4	CONN-H15		
1	J-LED	CONN-SIL3		
1	L1	MP21005S300C		
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	



ÜST KATMAN 3D GÖRÜNTÜ