



**aselsan**

MESLEKİ VE TEKNİK ANADOLU LİSESİ

“güven veren gelecek”

# 11/A -49

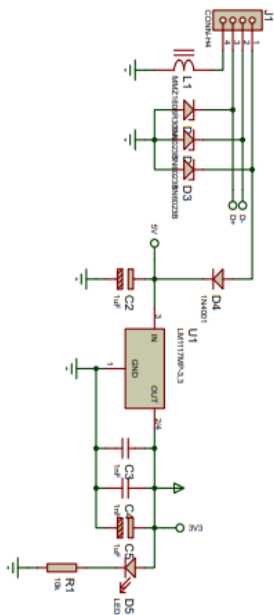
# Fatih Yiğit ARSLANTAŞ

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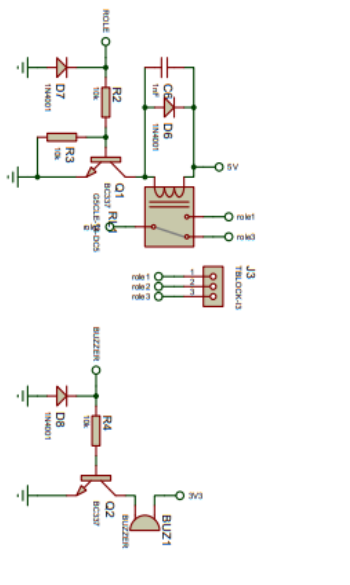
*Nuvoton M031FB0AE Geliştirme kartı tanıtım  
dökümanıdır.*

Bu belge geliştirdiğimiz kartın özelliklerini temel düzeyde gösteren bir dokümandır.

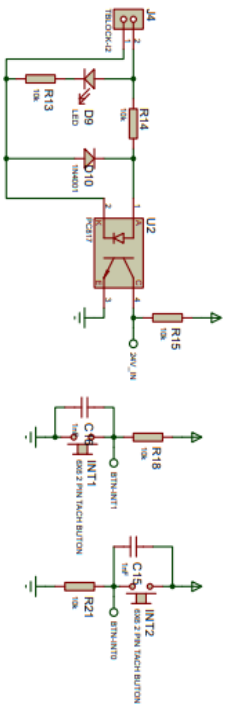
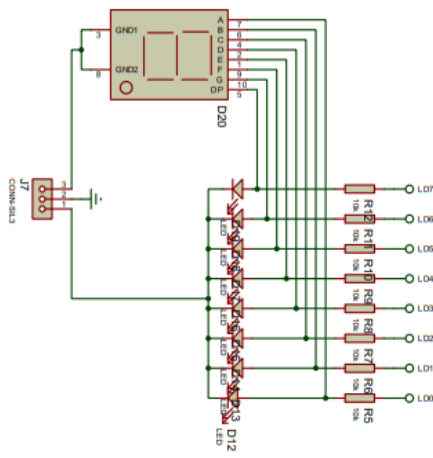
15.04.2023



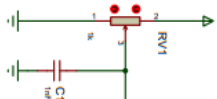
## GÜÇ GİRİŞİ



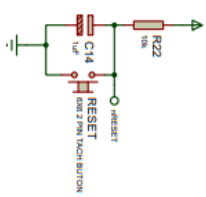
## ÇIKIŞ BİRİMLERİ



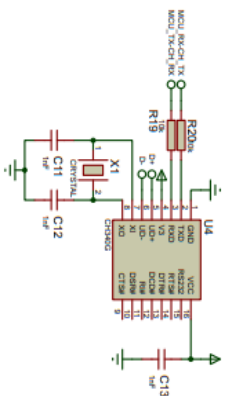
## DİJİTAL GİRİŞ BİRİMLERİ



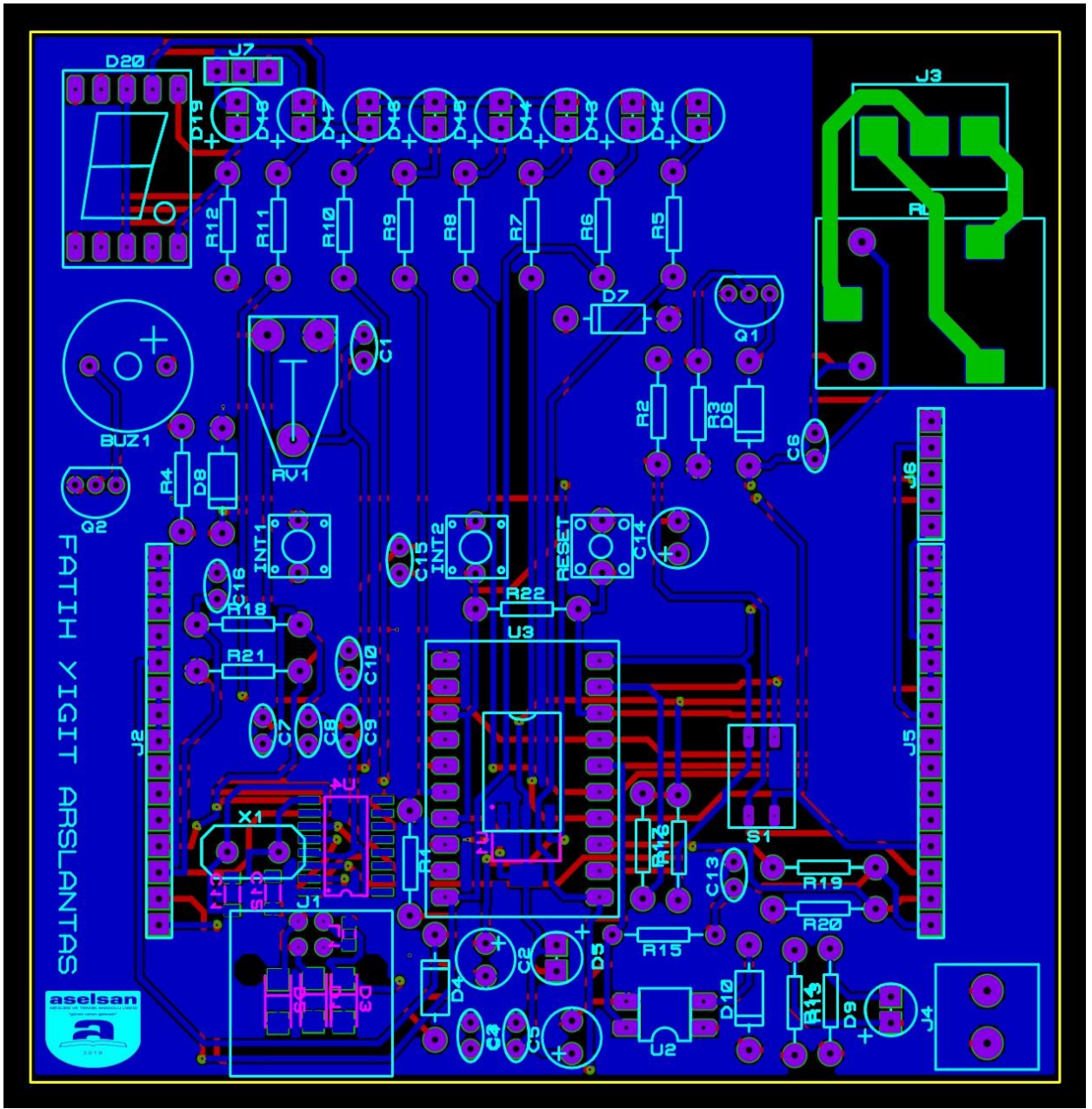
## ANALOG TEST BİRİMİ



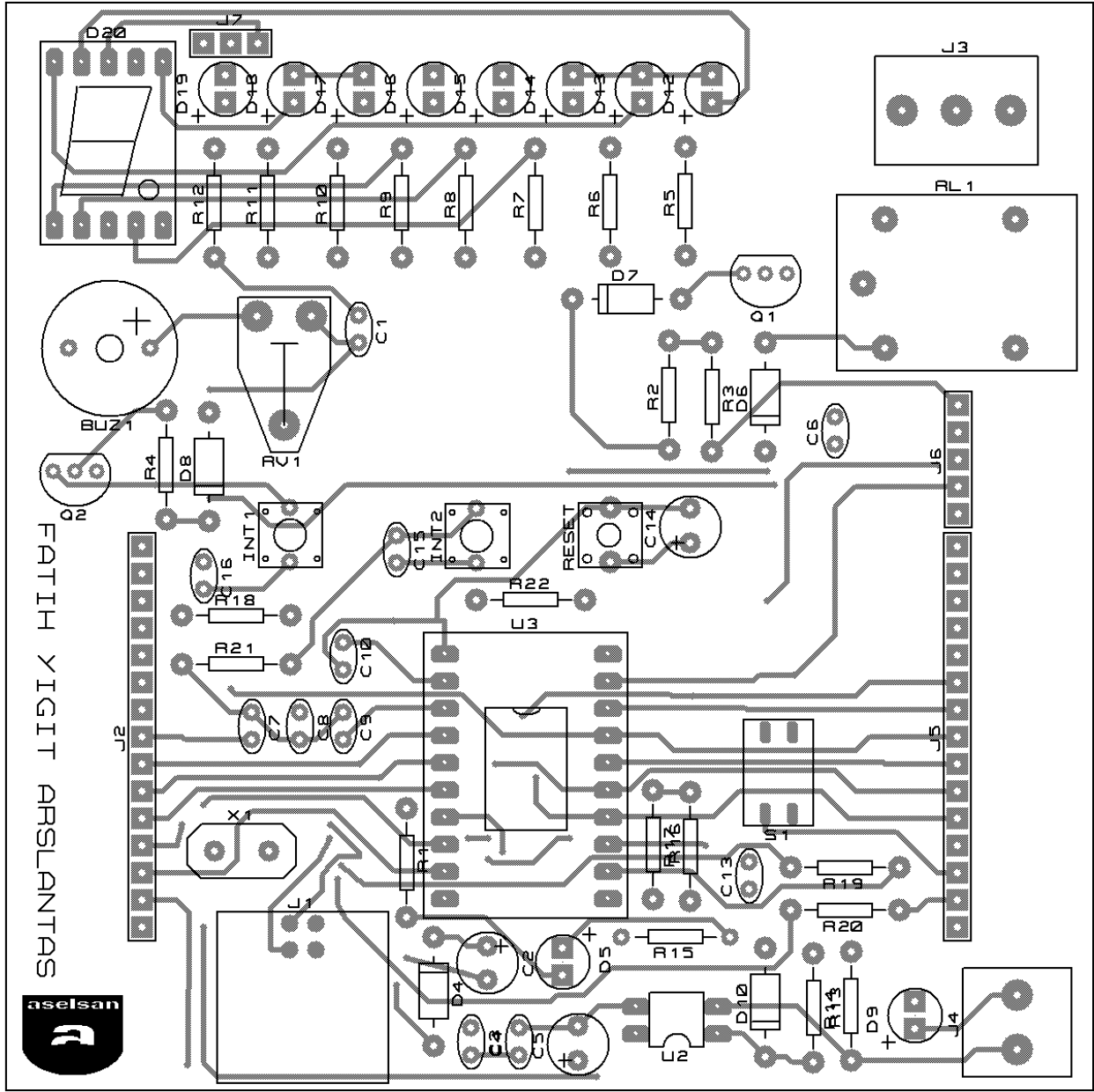
## RESET DEVRESİ



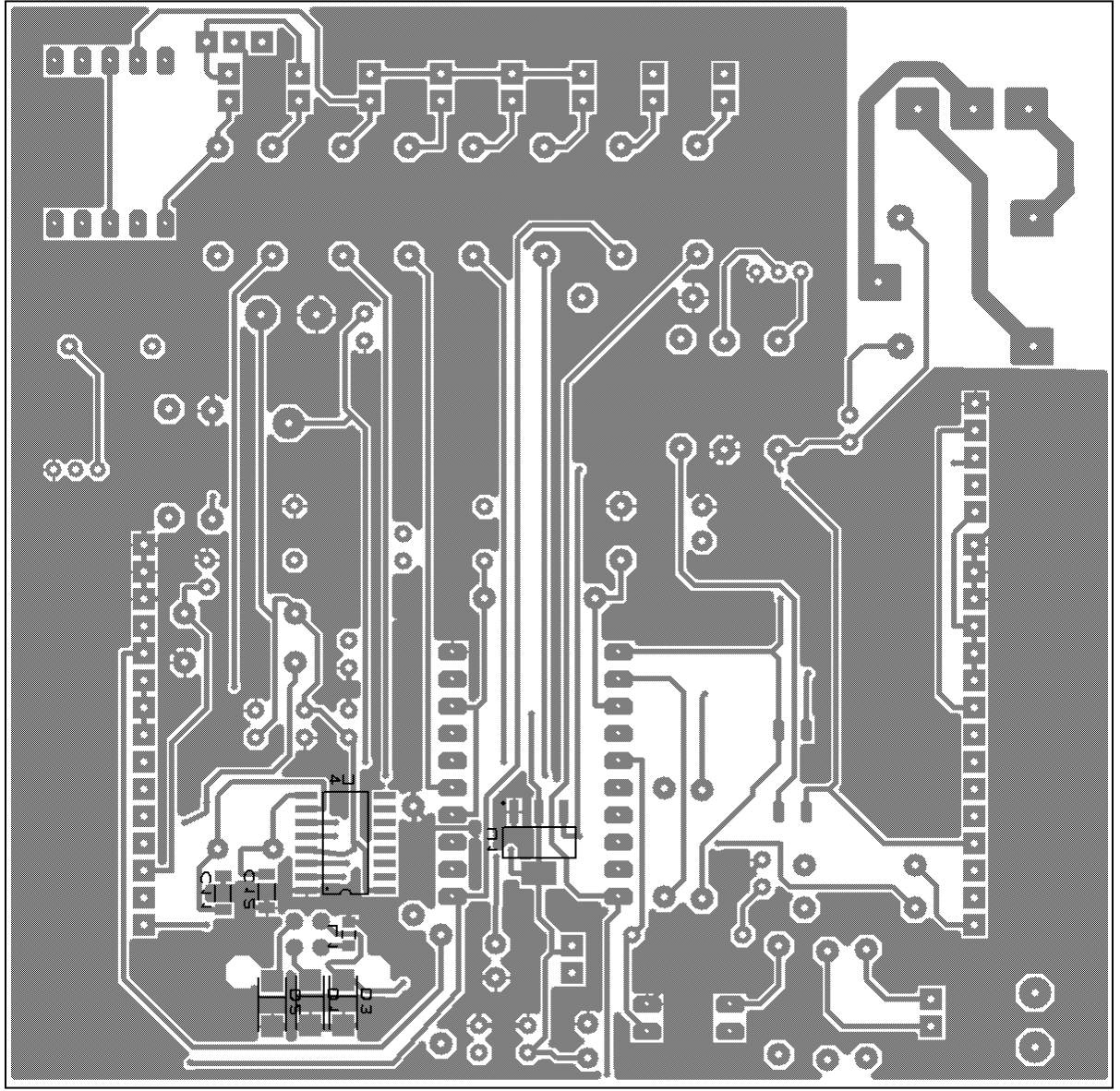




GENEL BASKI DEVRE GÖRÜNÜŞÜ



ÜST KATMAN YERLEŞİM PLANI

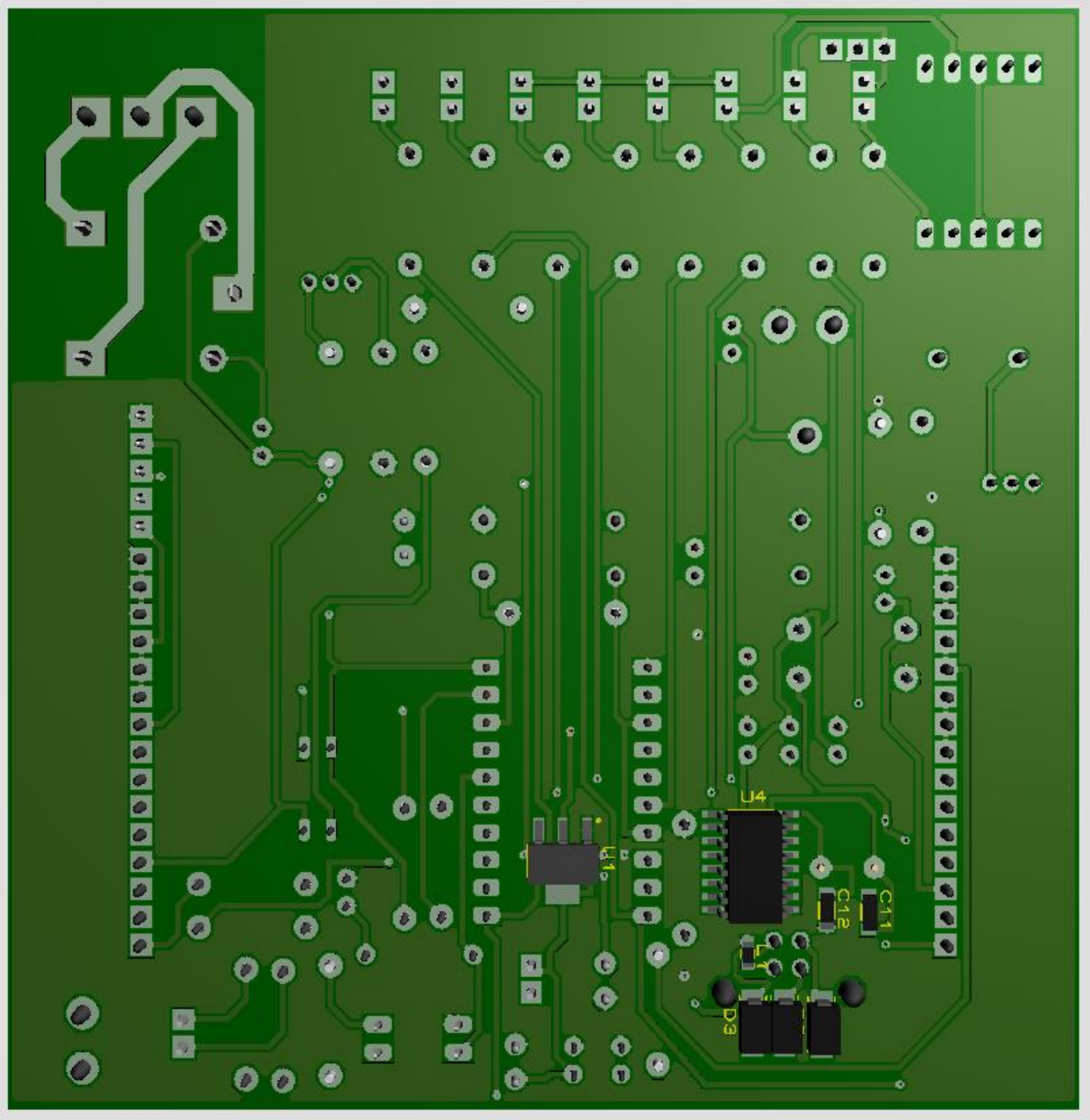


ALT KATMAN YERLEŞİM PLANI

Bill Of Materials for New Project

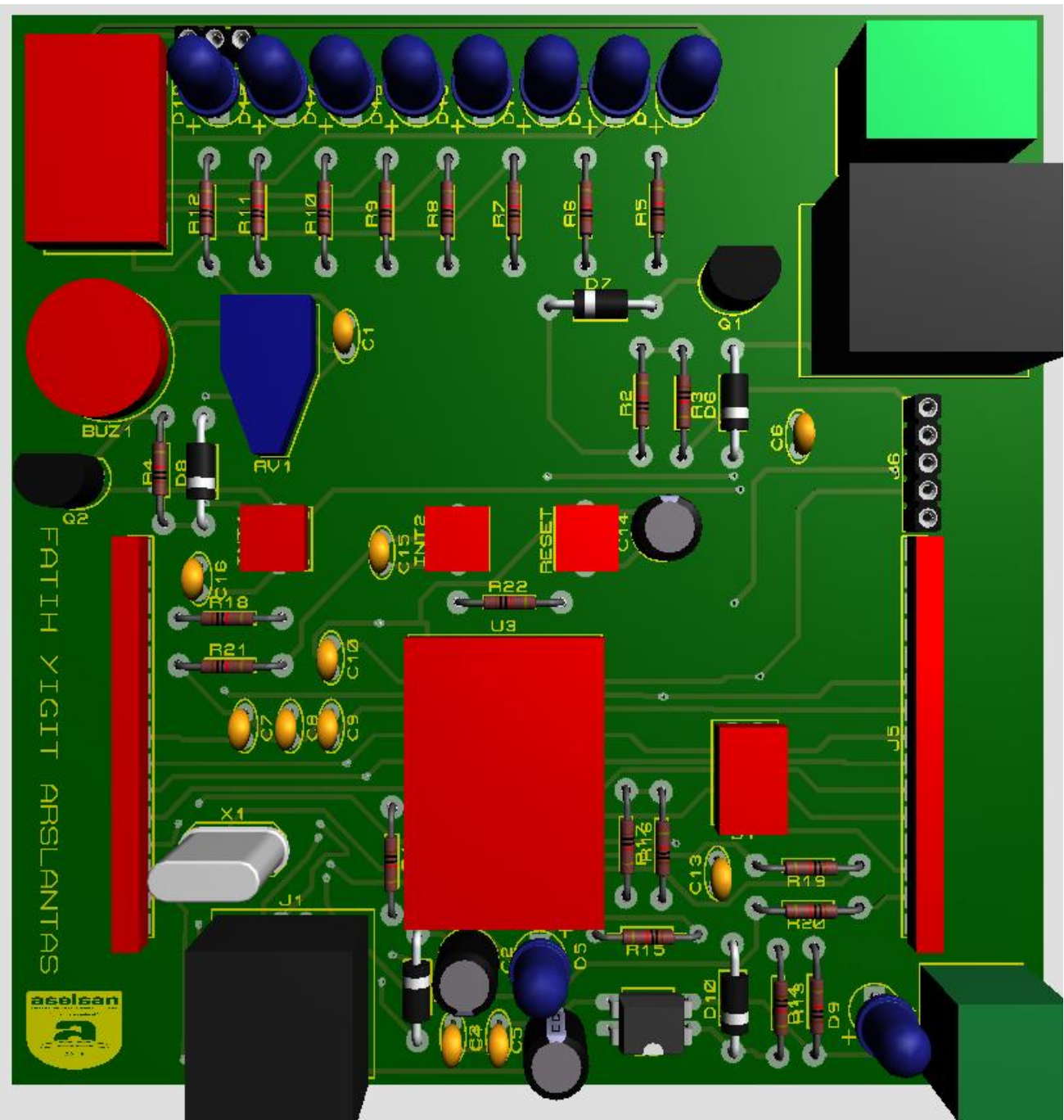
Design Title	New Project
Author	
Document Number	
Revision	
Design Created	25 Nisan 2023 Salı
Design Last Modified	25 Nisan 2023 Salı
Total Parts In Design	79

Category	Quantity	References	Value	Stock Code	Unit Cost
Capacitors	13	C1,C3-C4,C6-C13,C15-C16	1nF		
Capacitors	3	C2,C5,C14	1uF		
Resistors	22	R1-R22	10k		
Integrated Circuits	1	U1	LM1117MP-3,3		
Integrated Circuits	1	U2	PC817		
Integrated Circuits	1	U3	M031FB0AE		
Integrated Circuits	1	U4	CH340G		
Transistors	2	Q1-Q2	BC337		
Diodes	3	D1-D3	1N6023B		
Diodes	5	D4,D6-D8,D10	1N4001		
Diodes	10	D5,D9,D12-D19	LED		
Diodes	1	D20	7_SEG_CC_14MM		
Miscellaneous	1	BUZ1	BUZZER		
			6X6 2 PIN TACH		
Miscellaneous	3	INT1-INT2,RESET	BUTON		
Miscellaneous	1	J1	CONN-H4		
Miscellaneous	2	J2,J5	CONN-H15		
Miscellaneous	1	J3	TBLOCK-I3		
Miscellaneous	1	J4	TBLOCK-I2		
Miscellaneous	1	J6	CONN-SIL5		
Miscellaneous	1	J7	CONN-SIL3		
Miscellaneous	1	L1	MMZ1608R300A		
Miscellaneous	1	RL1	G5CLE-14-DC5		
Miscellaneous	1	RV1	1k		
Miscellaneous	1	S1	2_PIN_DIP_SWITCH		
Miscellaneous	1	X1	CRYSTAL		



ALT KATMAN 3D GÖRÜNTÜ





ÜST KATMAN 3D GÖRÜNTÜ