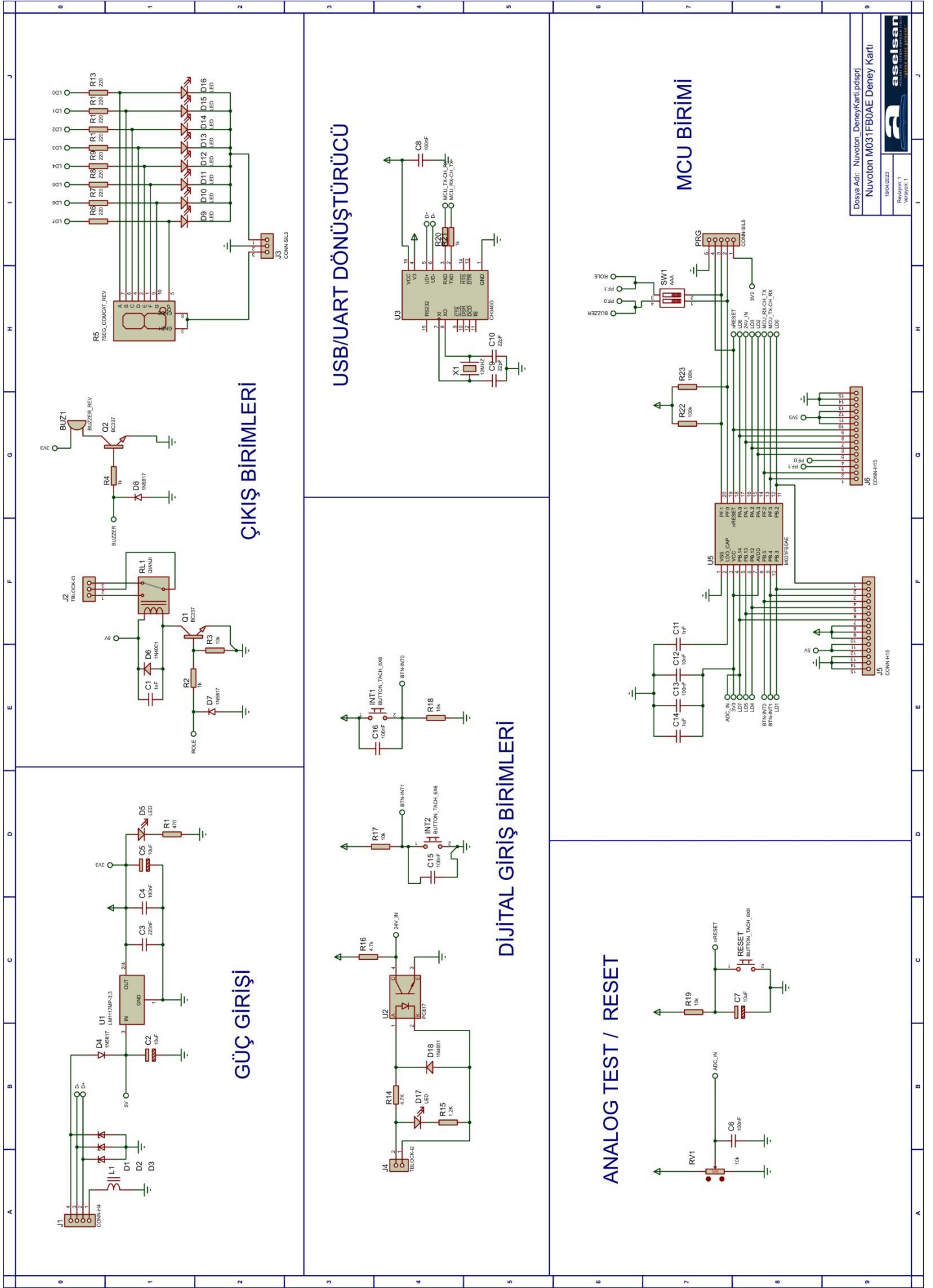


NUVOTON DENEY
KARTI PROJESİ
TANITIM DOSYASI

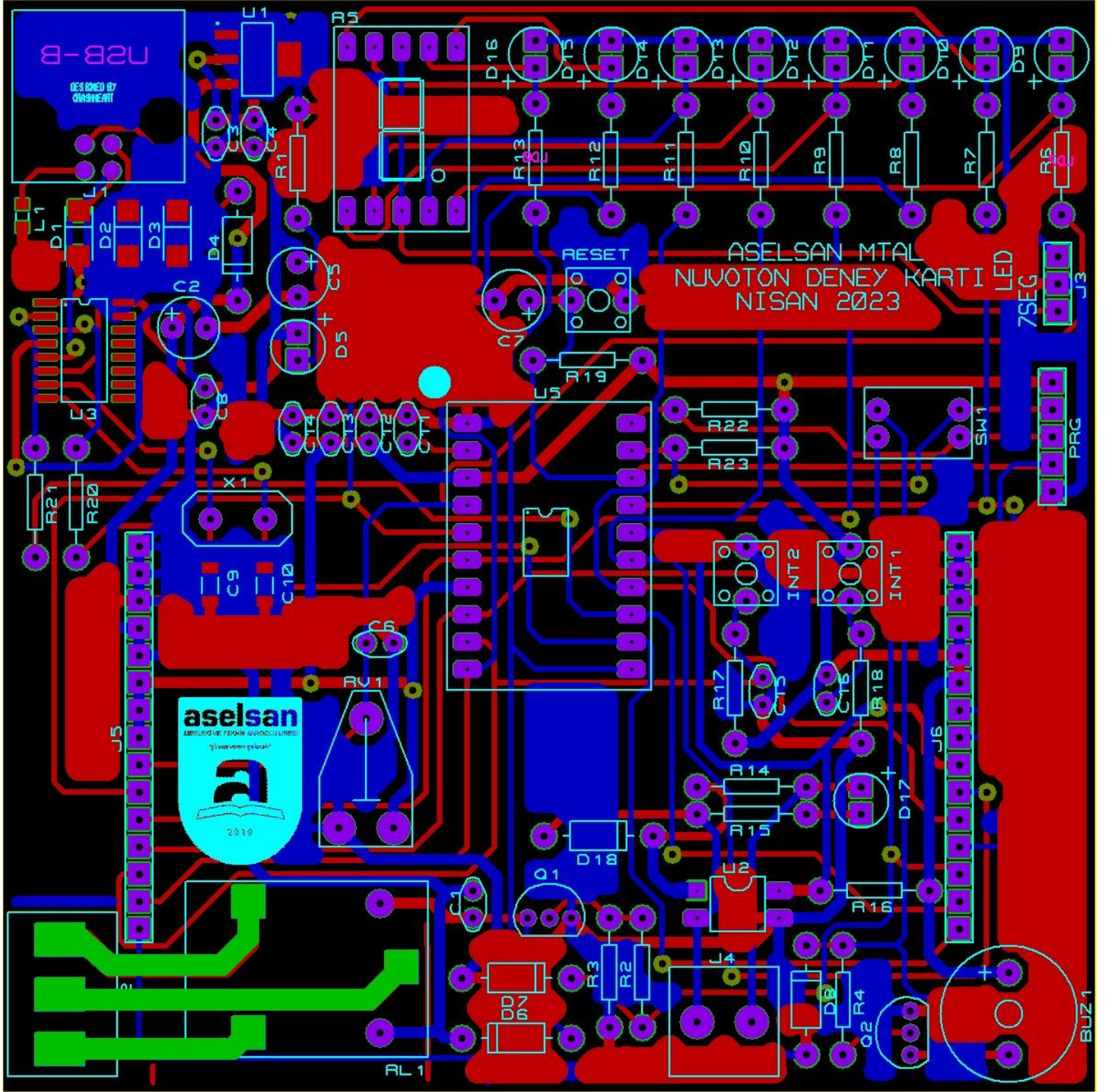
AYTEN KILIÇ

11/B 44

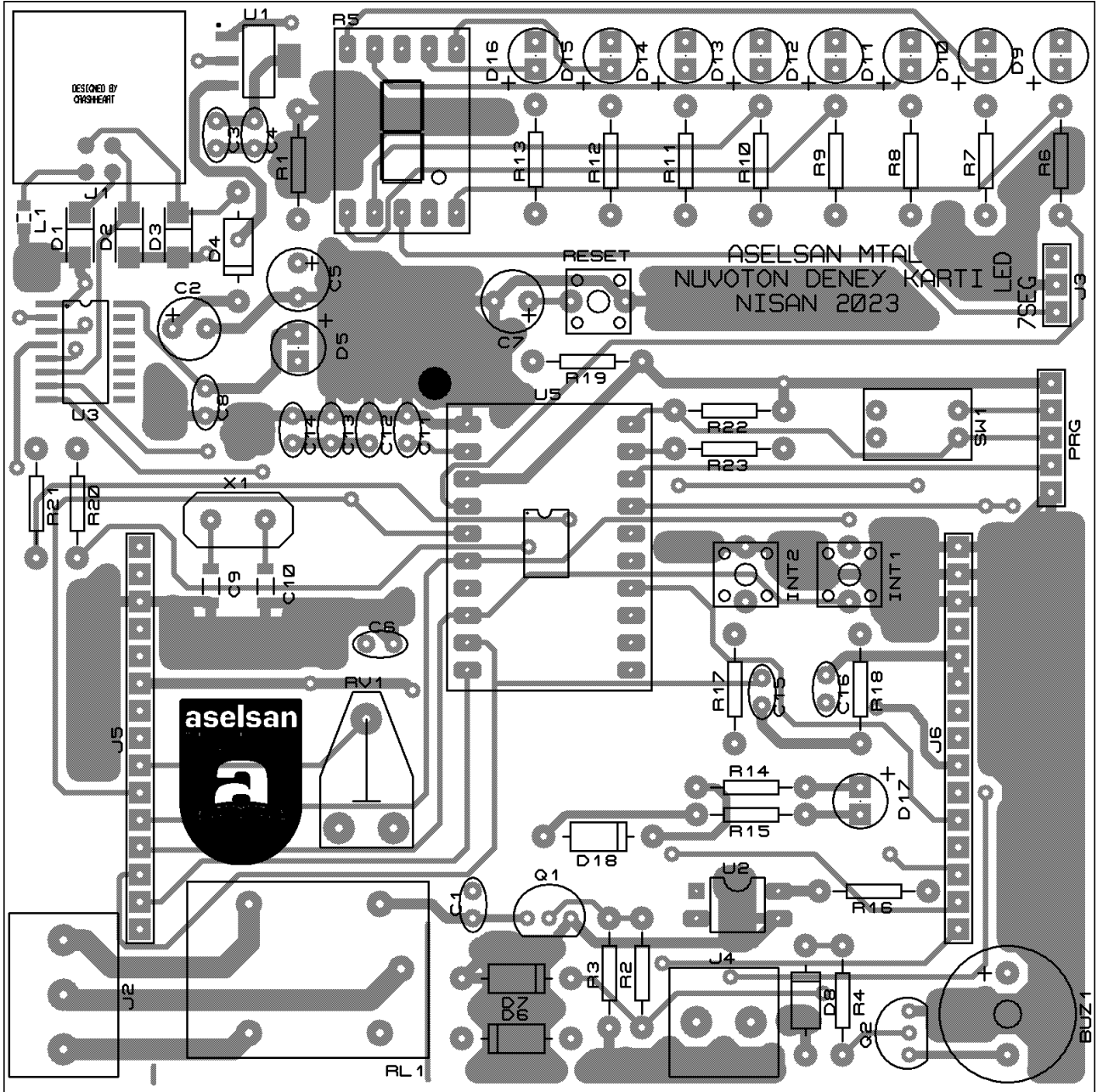
19 Nisan 2023



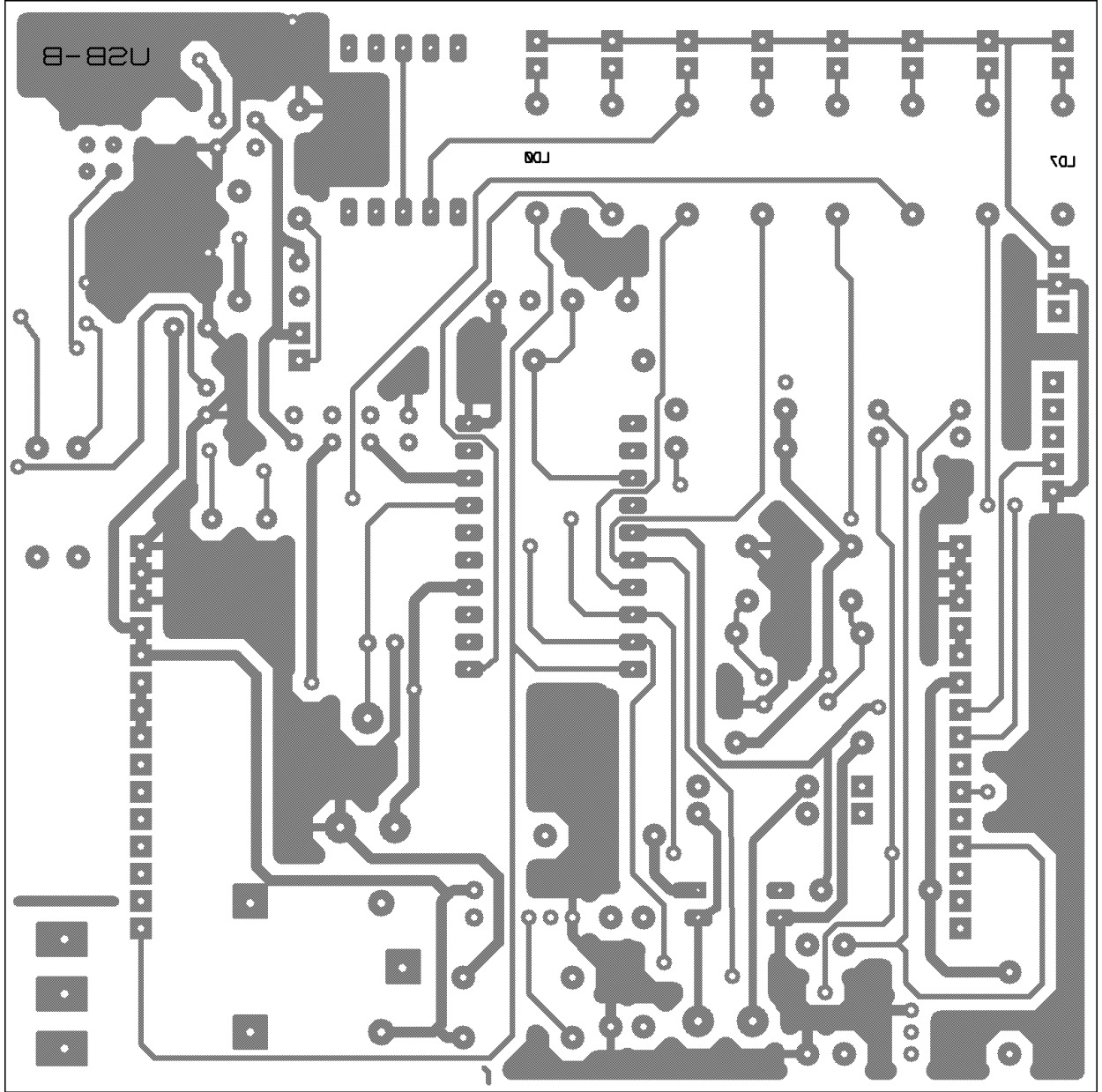
DEVRENİN ISIS ŞEMASI



GENEL BASKI DEVRE GÖRÜNÜŞÜ



ÜST KATMAN YERLEŞİM PLANI

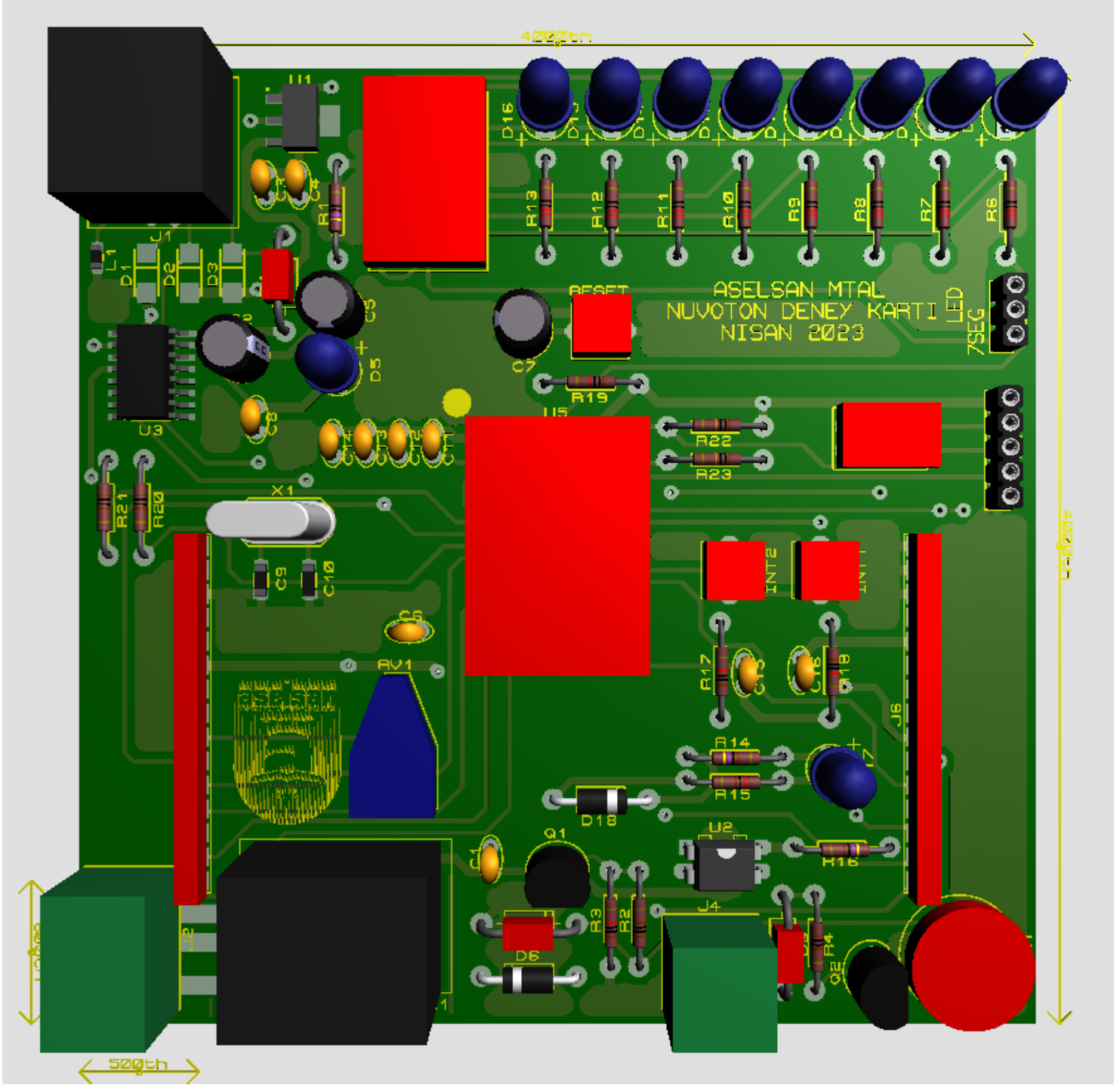


ALT KATMAN YERLEŞİM PLANI

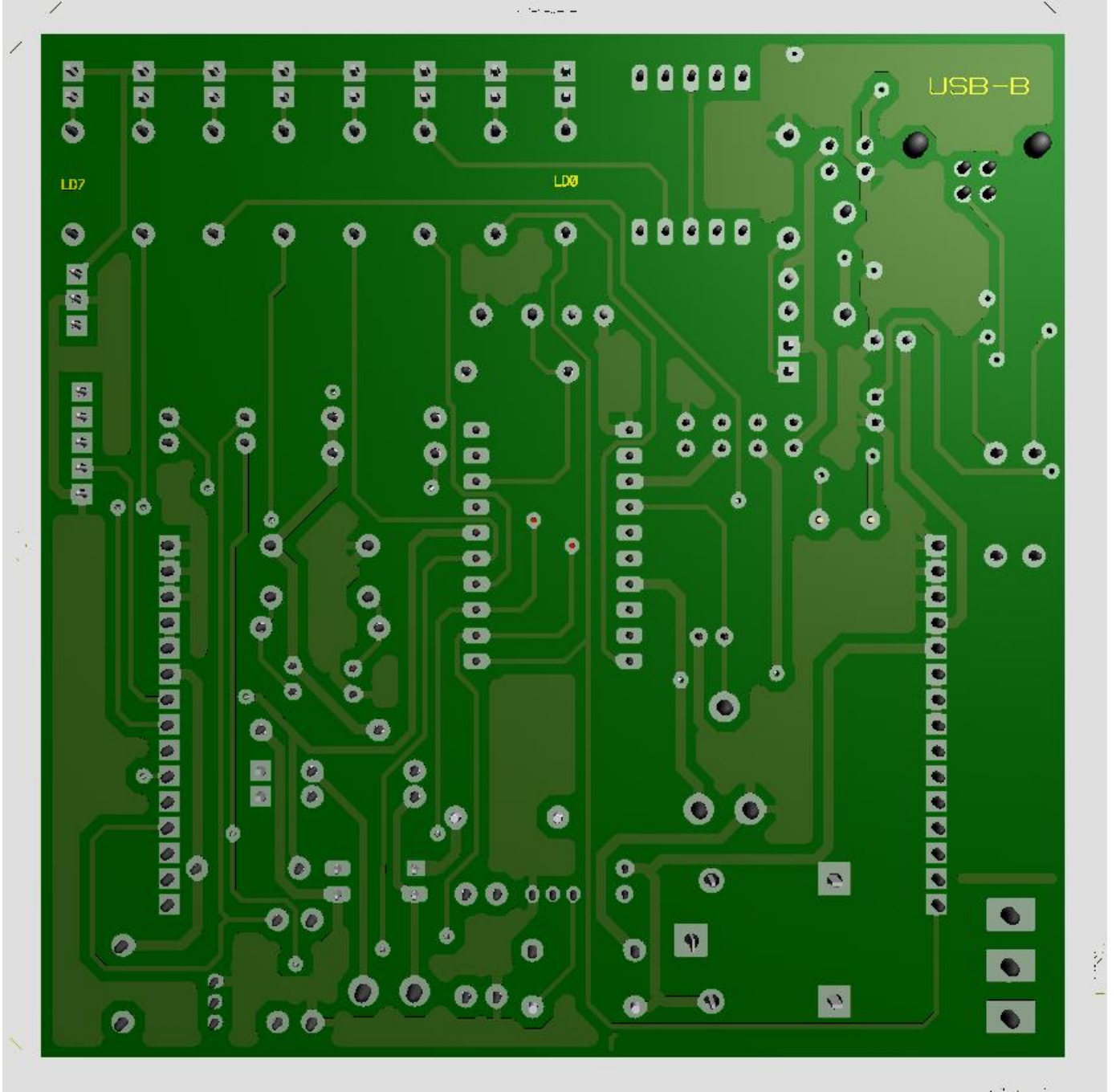
Bill Of Materials for NuvotonDeneyKarti

Design Title	NuvotonDeneyKarti
Author	
Document Number	
Revision	
Design Created	24 Aralık 2022 Cumartesi
Design Last Modified	19 Nisan 2023 Çarşamba
Total Parts In Design	79

Category	Quantity	References	Value	PCB Package
Capacitors	2	C1,C11	1nF	CAP10
Capacitors	3	C2,C5,C7	10uF	ELEC-RAD13
Capacitors	1	C3	220nF	CAP10
Capacitors	6	C4,C6,C8,C13,C15,C16	100nF	CAP10
Capacitors	2	C9,C10	22pF	1206
Capacitors	1	C12	10nF	CAP10
Capacitors	1	C14	1uF	CAP10
Resistors	1	R1	470	RES40
Resistors	4	R2,R4,R20,R21	1k	RES40
Resistors	4	R3,R17,R18,R19	10k	RES40
Resistors	1	R5	7SEG_COMCAT_REV	7SEG_COMCAT_A
Resistors	8	R6,R7,R8,R9,R10,R11,R12,R13	220	RES40
Resistors	1	R14	4.7K	RES40
Resistors	1	R15	1.2K	RES40
Resistors	1	R16	4.7k	RES40
Resistors	2	R22,R23	100k	RES40
Integrated Circuits	1	U1	LM1117MP-3,3	SOT230P700X180-4
Integrated Circuits	1	U2	PC817	DIL04
Integrated Circuits	1	U3	CH340G	SOP16
Integrated Circuits	1	U5	M031FB0AE	TSSOP20_CONV-A-CARD
Transistors	2	Q1,Q2	BC337	TO92
Diodes	3	D1,D2,D3		DO214-A
Diodes	3	D4,D7,D8	1N5817	DO41-A
		D5,D9,D10,D11,D12,D13,D14,D15,D16,		
Diodes	10	D17	LED	LED
Diodes	2	D6,D18	1N4001	DO41
Miscellaneous	1	BUZ1	BUZZER_REV	BUZ_REV
				BUTTON_TACH_6X6M
Miscellaneous	3	INT1,INT2,RESET	BUTTON_TACH_6X6	M
Miscellaneous	1	J1	CONN-H4	USB-B
Miscellaneous	1	J2	TBLOCK-I3	TBLOCK-I3
Miscellaneous	1	J3	CONN-SIL3	CONN-SIL3
Miscellaneous	1	J4	TBLOCK-I2	TBLOCK-I2
Miscellaneous	2	J5,J6	CONN-H15	CONN-SIL15-A
Miscellaneous	1	L1		0805
Miscellaneous	1	PRG	CONN-SIL5	CONN-SIL5
Miscellaneous	1	RL1	QIANJI	RLY-OMRON-C4
Miscellaneous	1	RV1	10k	PRE-HMIN
Miscellaneous	1	SW1	AAA	DIP_SWT_2_A
Miscellaneous	1	X1	12MHZ	XTAL18



ÜST KATMAN 3D GÖRÜNTÜ



ALT KATMAN 3D GÖRÜNTÜ