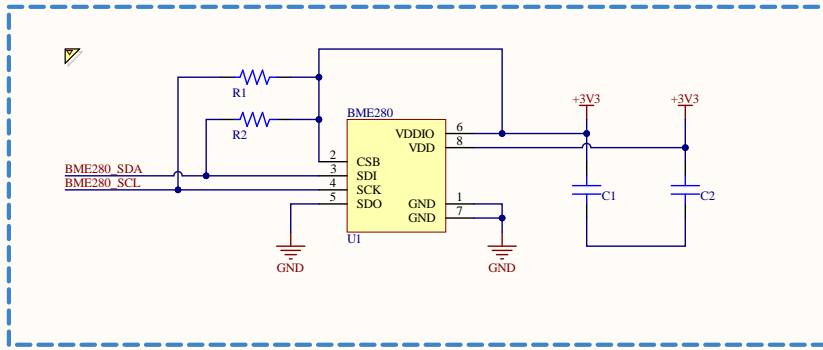
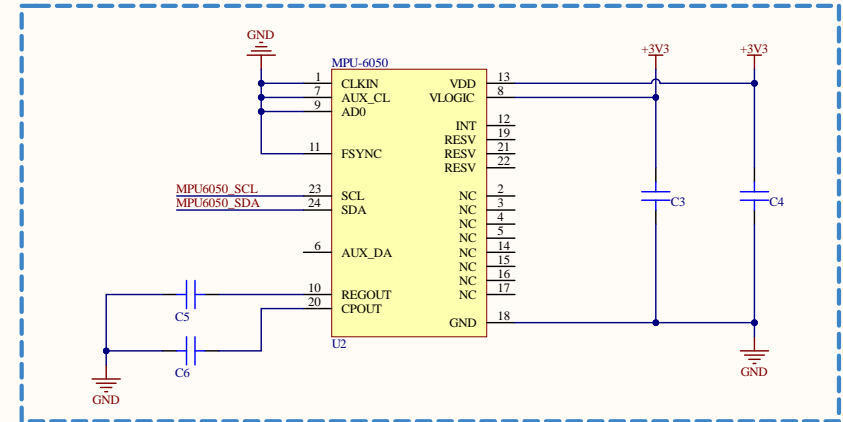


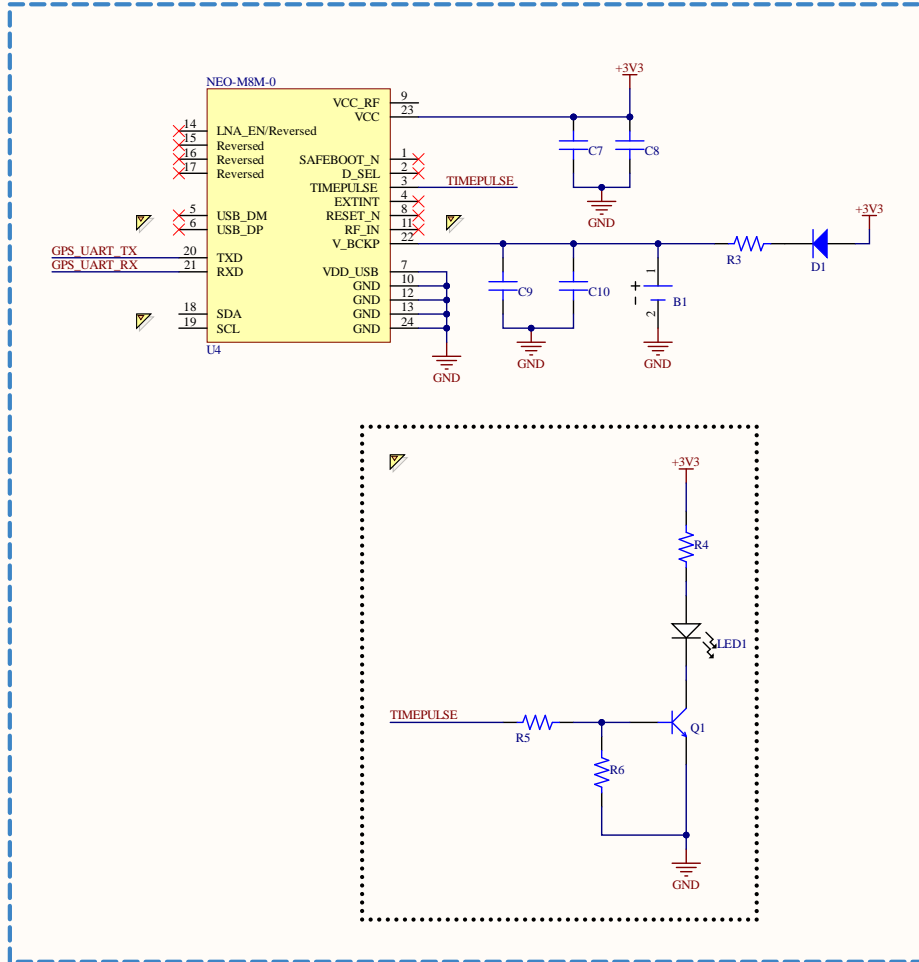
BME280



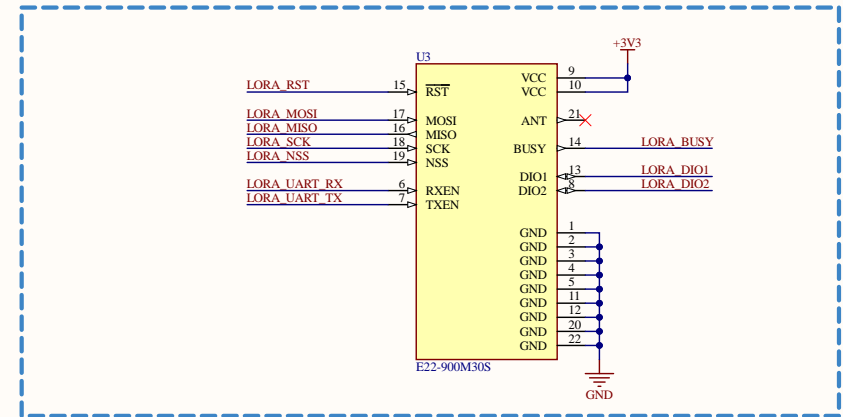
MPU6050



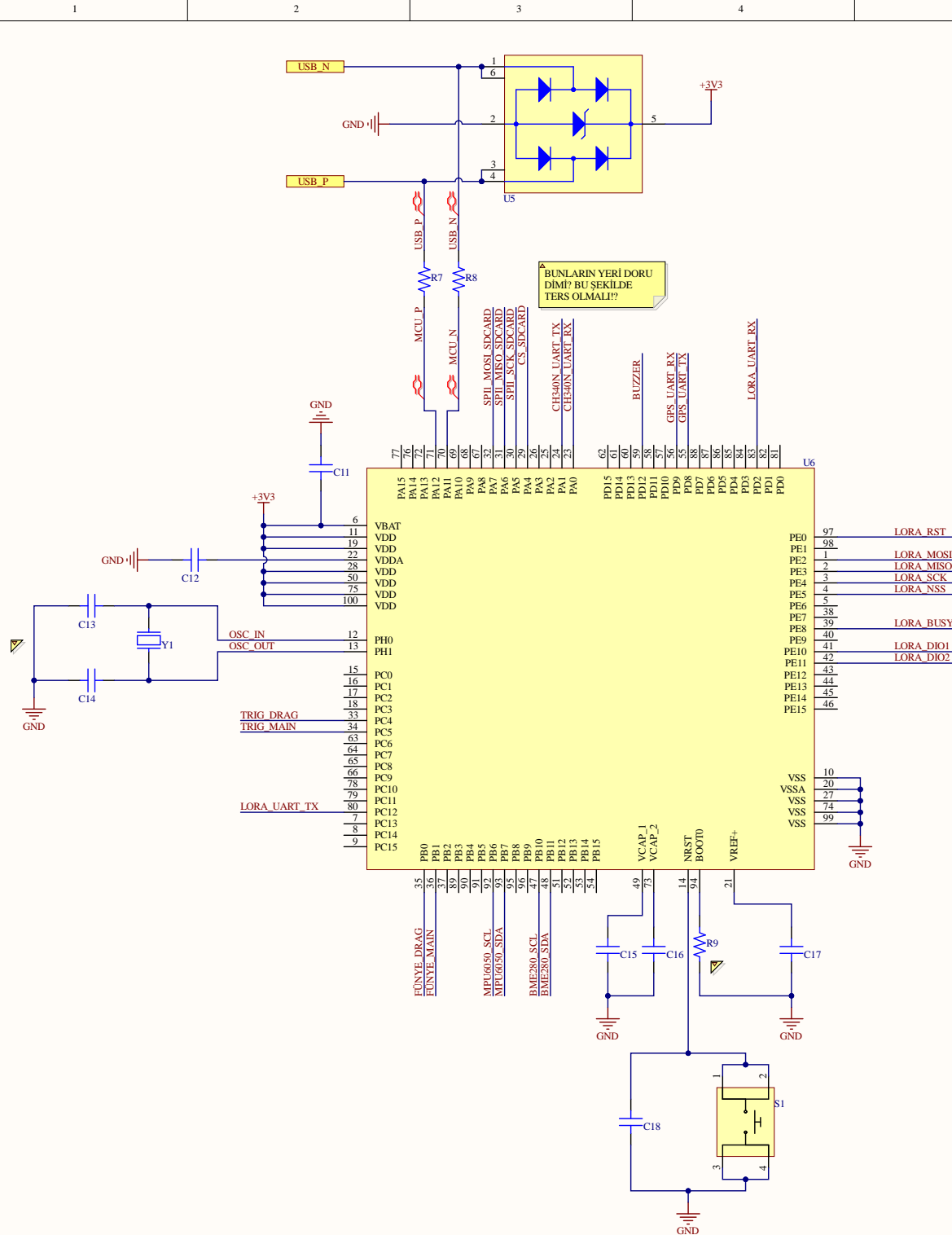
NEO-M8



LORA

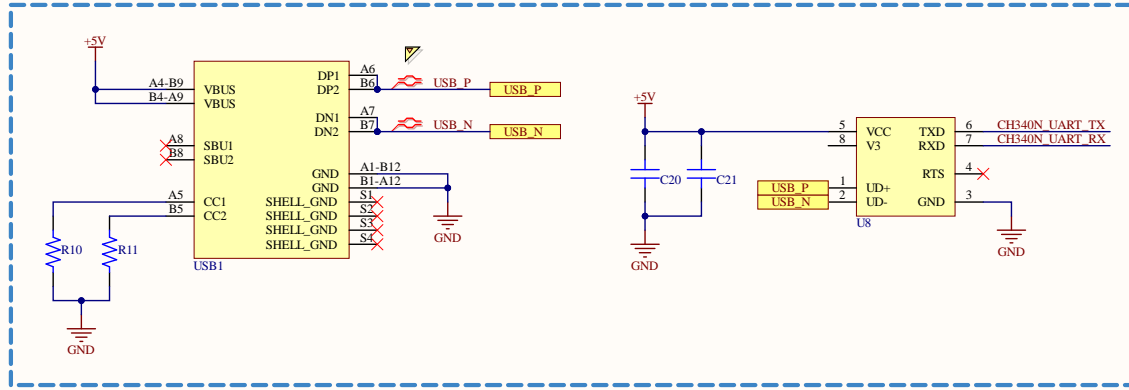


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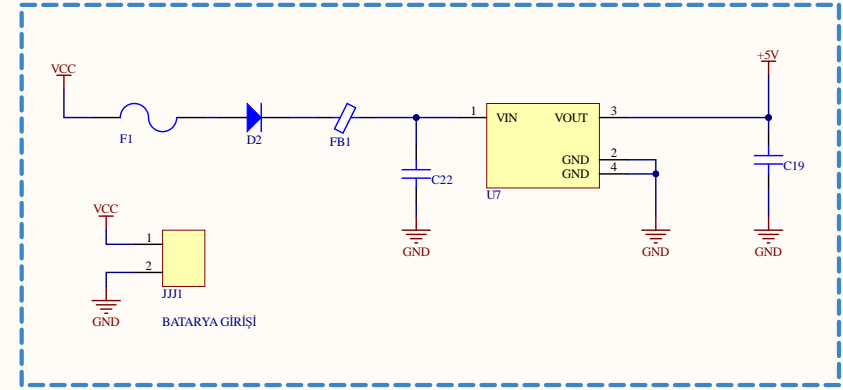


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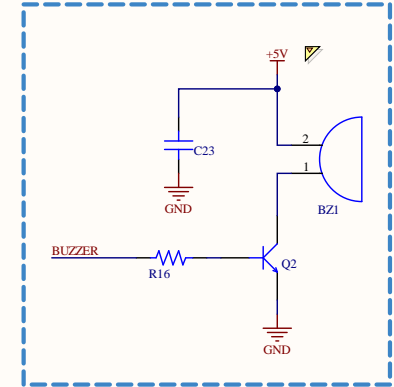
USB TO UART



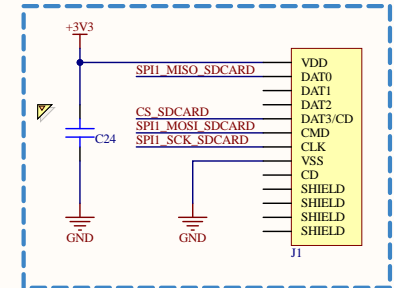
5V LDO REGULATOR



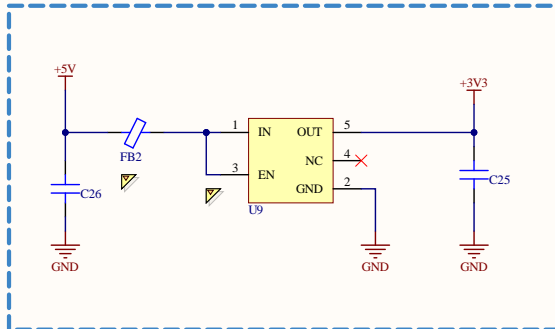
BUZZER CIRCUIT



SD CARD ADAPTER

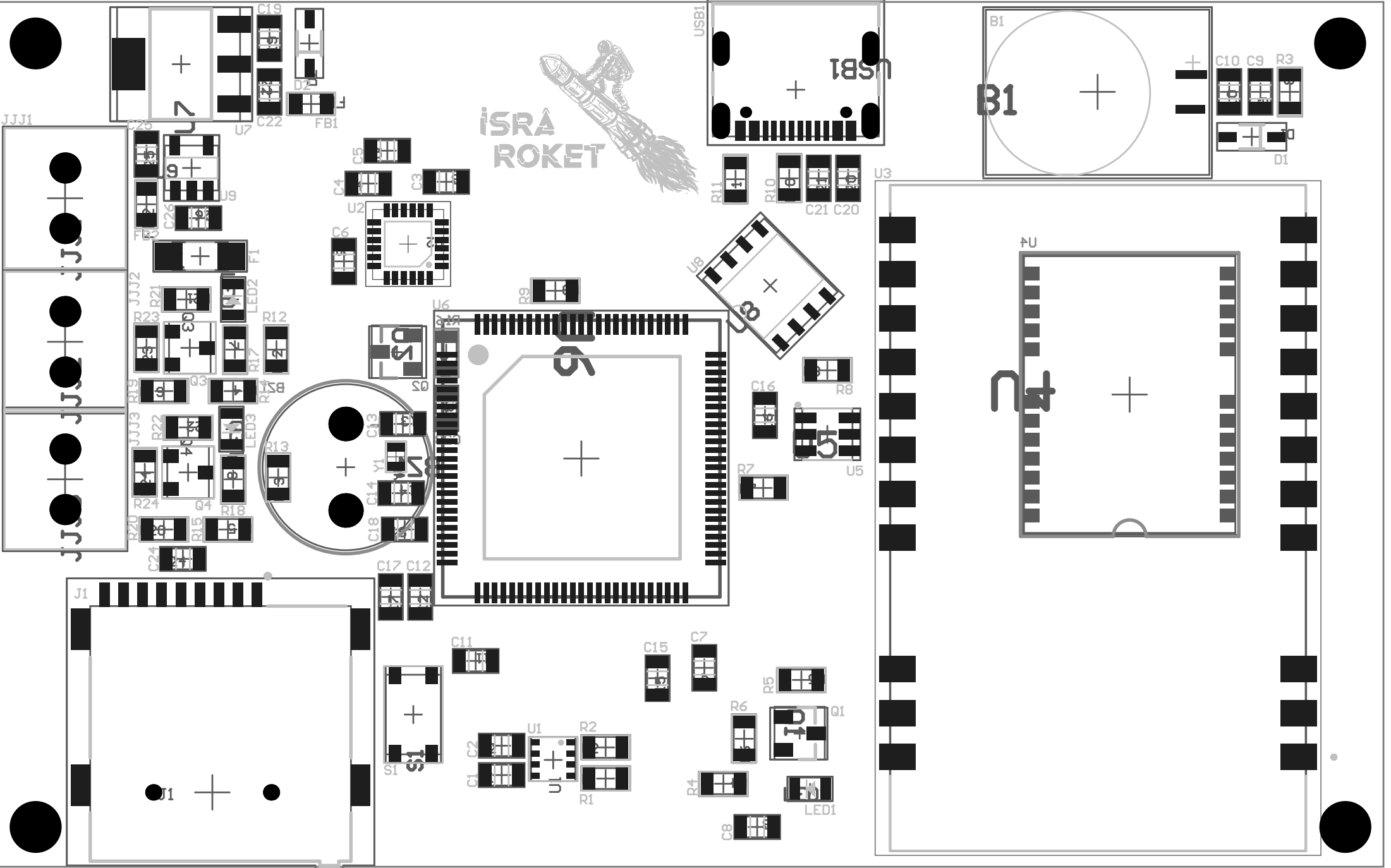


3V3 LDO REGULATOR



ANLADIĞIM KADARIYLA
MOSFET
TETİKLENDİĞİNDE
FÜNYE PATLILCAK

Title		
Size A3	Number	Revision
Date: 9.28.2025	Sheet of	
File: D:\ELIF\Power.SchDoc	Drawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
MSB20SE-FL27E	Lithium Battery Coin 3V 11mAh Rechargeable Tray	B1	MSB20SE_Battery	BATTERY	1
OM-9605IC-0580T	Audio Buzzer Magnetic 3VDC 7VDC 30mA 5VDC 85dB 2600Hz to 2800Hz Through Hole Pin Box	B21	BUZZER	BUZZER	1
CAPCER100nF0805		C1, C2, C8, C10, C20, C21, C23, C24	CAP_0805	CAPCER100nF0805	8
CAPCER10nF0805		C3, C12, C17	CAP_0805	CAPCER10nF0805	3
CAPCER0.1uF0805		C4, C5, C18	CAP_0805	CAPCER0.1uF0805	3
CAPCER2.2nF0805		C6	CAP_0805	CAPCER2.2nF0805	1
CAPCER10uF0805		C7, C19, C22	CAP_0805	CAPCER10uF0805	3
CAPCER4.7uF0805		C9	CAP_0805	CAPCER4.7uF0805	1
CAPCER1uF0805		C11, C25, C26	CAP_0805	CAPCER1uF0805	3
CAPCER20pF0805		C13, C14	CAP_0805	CAPCER20pF0805	2
CAPCER2.2uF0805		C15, C16	CAP_0805	CAPCER2.2uF0805	2
DIODE GEN PURP 75V 150mA SOD323F	VR=75V/IF=150mA Trr=4ns P=200mW	D1, D2	SOD323F	DIODE	2
FUSE3413.0216.22	Fuse Chip Fast Acting 1A 32V SMD Solder Pad 1206 Glass T/R VDE/cULus	F1	FUSE_1206	FUSE	1
MPZ2012S601AT000	0805 600Ω ±25% DCR=0.1Ω 2A	FB1, FB2	FERRITE BEAD_0805	FERRITE BEAD	2
MEM2075-00-140-01-A	MEM2075 Series Normally Open SMT Push-Push MicroSD Memory Card Connector	J1	SD CARD	SD CARD	1
HEADERx2	Conn Screw Type Terminal Block 2 POS 3.5mm Solder ST Thru- Hole 10A	J11, J12, J13	HEADERx2	HEADERx2	3
QMD17-21VRD/TR8	LED LH-Color Red 640nm 2-Pin SMT T/R	LED1, LED2, LED3	LED RED_0805	LED RED	3
MMBT3904-7-F	NPN Ic=200mA Vceo=40V hfe=100-300 fT=310MHz P=300mW SOT-23	Q1, Q2	SOT_23F	BJT_NPN	2
NTR5103NT1G	MOSFET N-CH 60V 0.26A SOT23	Q3, Q4	SOT-23-3	MOSFET N-Channel	2
RES4.7KOHM0805		R1, R2	RES_0805	RES4.7KOHM0805	2
RES1KOHM0805		R3, R4, R21, R22	RES_0805	RES1KOHM0805	4
RES10KOHM0805		R5, R6, R9, R10, R11, R19, R20, R23, R24	RES_0805	RES10KOHM0805	9
RES15OHM0805		R7, R8	RES_0805	RES15OHM0805	2
RES0OHM0805		R12, R13	RES_0805	RES0OHM0805	2
RES20KOHM0805		R14, R15	RES_0805	RES20KOHM0805	2
RES100OHM0805		R16	RES_0805	RES100OHM0805	1
RES470OHM0805		R17, R18	RES_0805	RES470OHM0805	2
PTS315 SJG 250 SMTR LFS	Switch Tactile N.O. SPST Button J-Bend 0.05A 12VDC 3.92N SMD T/R	S1	BUTTON	BUTTON	1
BME280	Pressure, Temperature and Humidity Sensor Digital Output 1.8V 8- Pin LGA T/R	U1	BME280	BME280	1
MPU-6050	IMU ACC/BL/GYRO 3- AXIS DC 24QFN	U2	QFN-24-MPU6050	MPU6050	1
E22-900M30S	SK1262 868/915 MHz 1w SPI LoRa Module	U3	LORA	LORA	1
NEO-M8M-0	Rf Rcvr Gnss/gps 1.575GHZ 24LCC	U4	NEO-M8-GPS	NEO-M8	1
USBL06-2S06	TVS DIODE 5.25VWM 17VC SOT23-6	U5	SOT-23-6L	USB PROTECTION	1
STM32F407VGT6	IC MCU 32BIT 1MB FLASH 100LQFP	U6	LQFP-100	STM32F407VGT6	1
MCP1825S-5002E/DB	IC: Linear Regulator; Max. Input: 6V; Output: 5V; 500mA; Accuracy: 0.5%; SOT23-3	U7	SOT-223-3	MCP1825S-5002E/DB	1
CH340N	USB TO UART TTL CONVERTER- SOP 8 PACKAGE	U8	SOP-8	CH340N	1
NCP161ASN330T1G	LDO Regulator, 450 mA, Ultra-High PSRR, Ultra-Low Noise 3.3V, SOT23-SL, Active Discharge	U9	SOT-23-5	NCP161ASN330T1G	1
USB4125-GF-A	USB Connector with 1.90mm shell stake length	USB1	USB4125-GF-A / Type C USB	TYPE C USB CONNECTOR	1
CRYSTAL32.7680KHZ 12.5PF SMD	Crystal 0.032768MHz ±20ppm (Tot) 12.5pF Flexural 90000Ohm 2- Pin CSMD T/R	Y1	CRYSTAL_ABS05	CRYSTAL	1