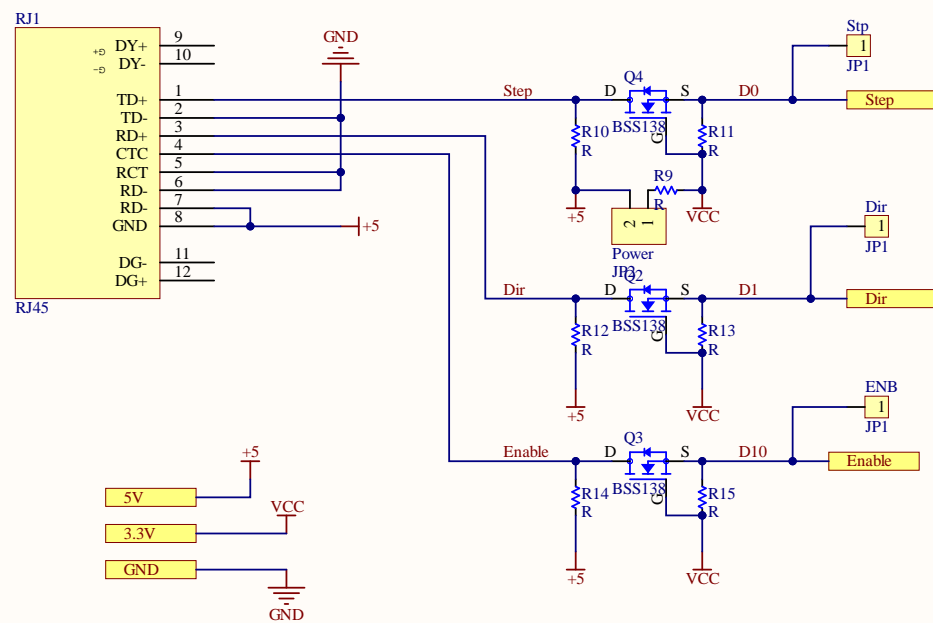
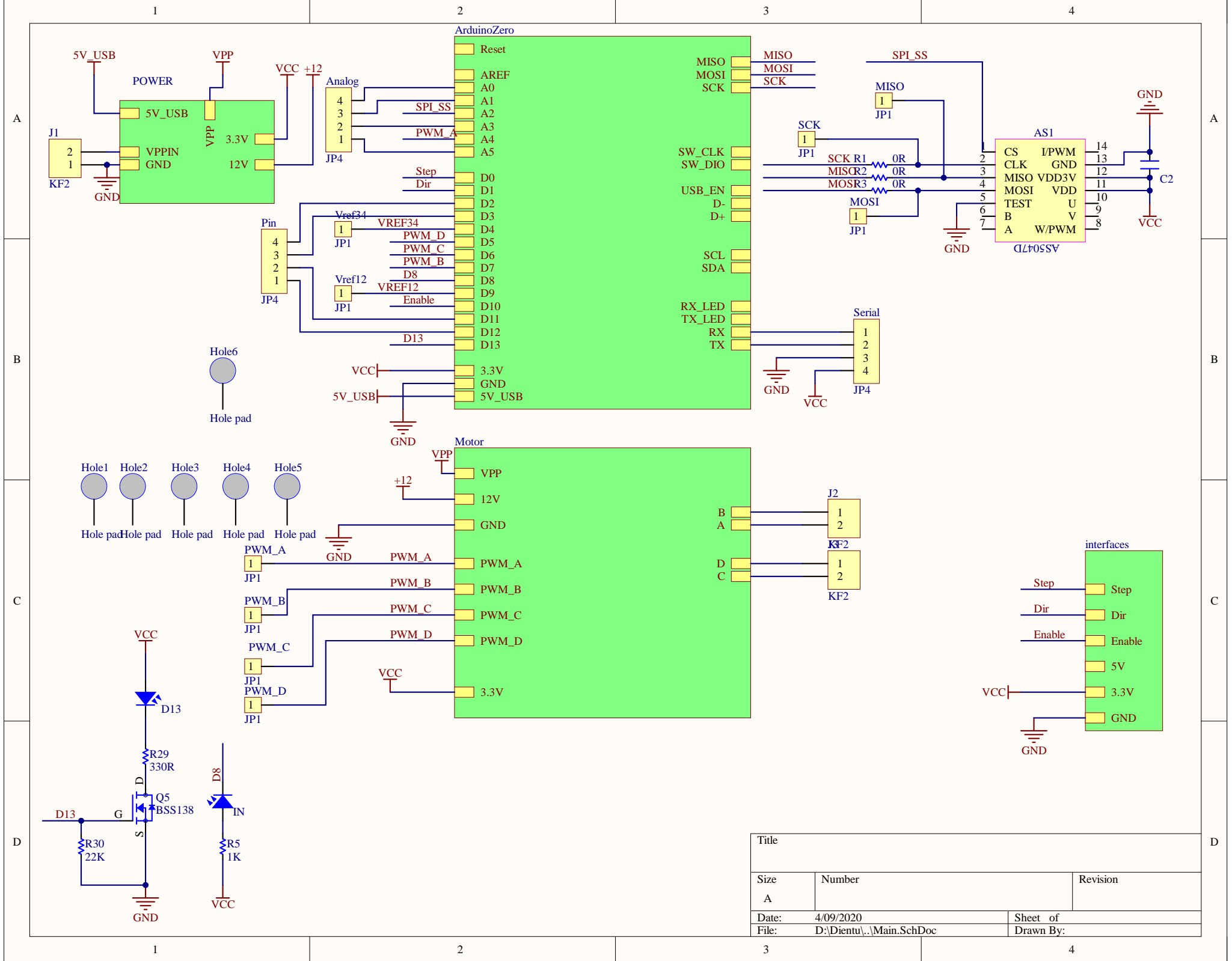


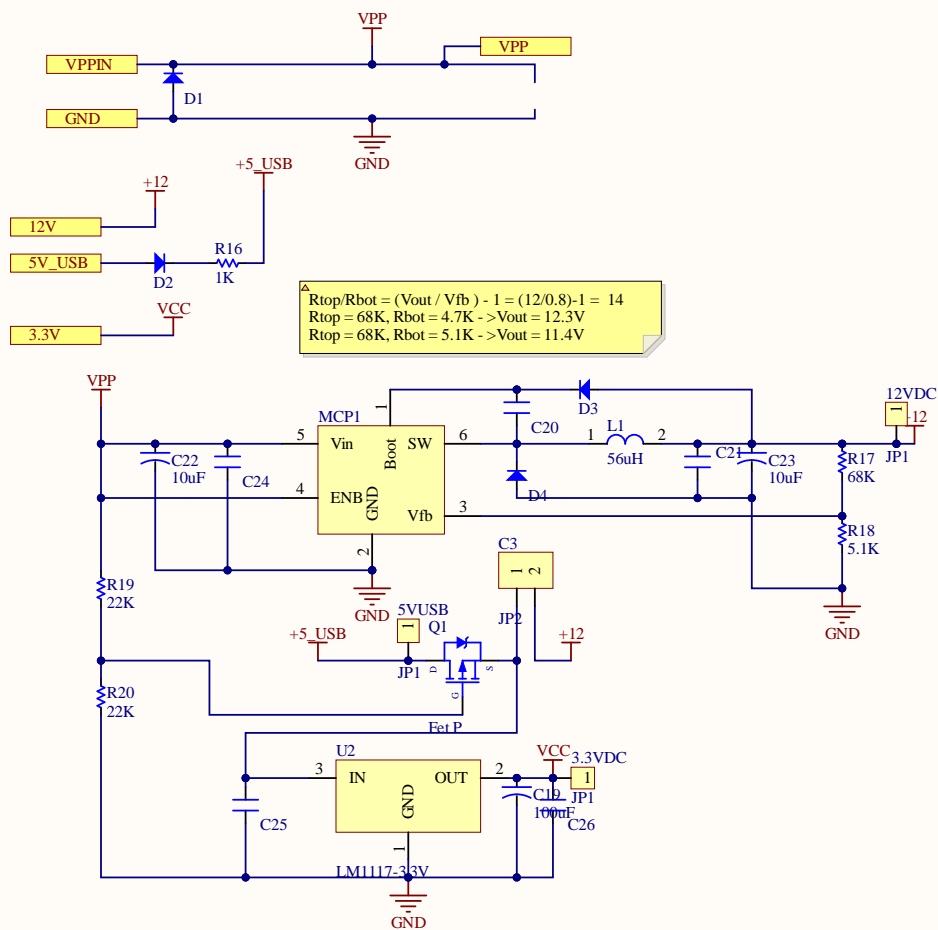
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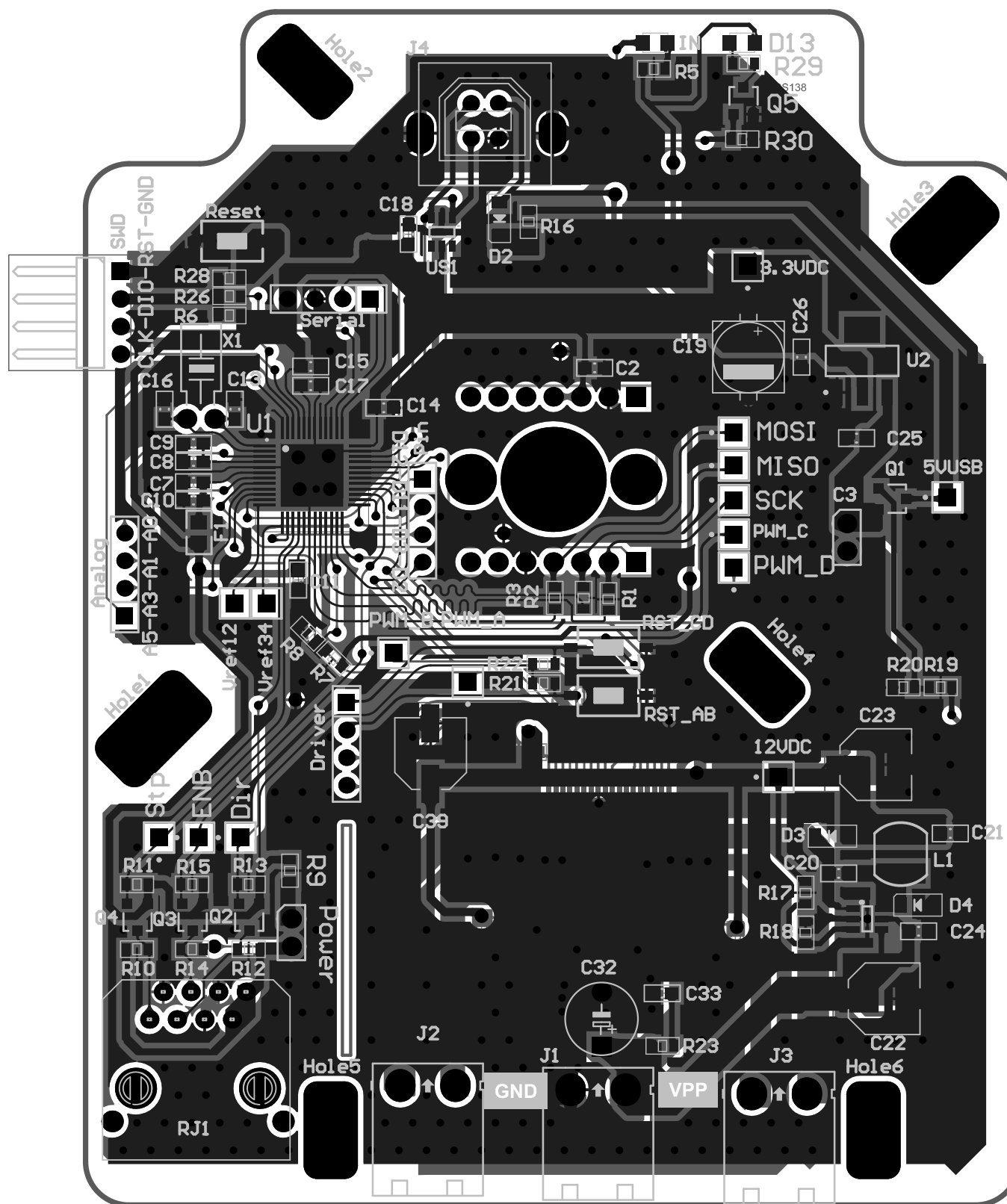
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Title		
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Comment	Description	Designator	Footprint	LibRef	Quantity
JP1	WR-PHD 2.54 mm Angled Socket Header	3.3VDC, 5VUSB, 12VDC, Dir, ENB, MISO, MOSI, PWM_A, PWM_B, PWM_C, PWM_D, SCK, Stp, Vref12, Vref34	JP1-D1T	JP1	15
JP4	WR-PHD 2.54 mm Angled Socket Header	Analog, Driver, Pin, Serial	JP4-C1T	JP4	4
AS5047D		AS1	AS5047D_Module		1
CN		C2, C20, C21, C24, C25, C26	CN-SMD-0603_big	CN	6
JP2	WR-PHD 2.54 mm Angled Socket Header	C3, Power	JP2-CLOSED	JP2	2
0.1uF		C7, C9, C10, C11, C14, C15, C18, C28, C29, C30, C31, C35, C36, C37	CN-SMD-0603_big	CN	14
4.7uF		C8	CN-SMD-0603_big	CN	1
22pF		C13, C16	CN-SMD-0603_big	CN	2
1uF		C17, C40, C41, C42, C43, C44	CN-SMD-0603_big	CN	6
100uF	Polarized Capacitor (Axial)	C19	CAP-ALU-SMD-D	CN-ALU-SMD	1
10uF	Polarized Capacitor (Axial)	C22, C23, C39	CAP-ALU-SMD-6.3x7.7x2.2	CN-ALU-SMD	3
CN-ALU-DIP	Capacitor (Semiconductor SIM Model)	C32	CA-ALU-5R	CN-ALU-DIP	1
10nF		C33	CN-SMD-0603_big	CN	1
0.1uF		C34, C38	CN-SMD-0805	CN	2
RB160M-60	Default Diode	D1	DIO-SMD-214AC	Diode	1
Diode	Default Diode	D2, D3, D4	DIO-SMD-123	Diode	3
LED		D13, IN	LED-0805-Blue	LED SMD	2
600R@100Mhz		F1	Capacitor_805	Ferrite	1
Hole pad		Hole1, Hole2, Hole3, Hole4, Hole5, Hole6	HolePad	Hole pad	6
KF2		J1, J2, J3	KF2-5.08T	KF2	3
8492121	THT USB 2.0 A Connector WE-EPLC	J4	USB-C3	USB-4	1
56uH	https://www.theglobe.com/products/cuon-cam-68uh-cd75-smd-7-8x7-5x5-0	L1	L_SMD	L-SMD-1	1
MCP16331		MCP1	SOT23-6-	MCP16331	1
Fet P	HEXFET P-Channel Power MOSFET	Q1	SOT23F	Fet P	1
BSS138	N-Channel 50V 220mA _Ta_ 360mW _Ta_ Surface Mount Die	Q2, Q3, Q4, Q5	SOT23-bss138	BSS138	4
0R		R1, R2, R3	RES-SMD-0603_BIG	R	3
1K		R5, R16	RES-SMD-0603_BIG	R	2
10K		R6, R8	RES-SMD-0603_BIG	R	2
5.1K		R7, R18	RES-SMD-0603_BIG	R	2
R		R9, R10, R11, R12, R13, R14, R15, R21, R22, R24, R25, R27	RES-SMD-0603_BIG	R	12
68K		R17	RES-SMD-0603_BIG	R	1
22K		R19, R20, R30	RES-SMD-0603_BIG	R	3
3.3R		R23	RES-SMD-0603_BIG	R	1
330R		R26, R29	RES-SMD-0603_BIG	R	2
39R		R28	RES-SMD-0603_BIG	R	1
SW	Switch button 2 pin	Reset, RST_AB, RST_CD	SW1-SMD	SW2	3
RJ45		RJ1	RJ45-Dung	CON JR45	1
DRV8432	https://www.digikey.com/product-detail/en/texas-instruments/DRV8432-DKDR/296-29573-2-ND/2353367	Step1	DRV8432	DRV8432	1
JP4	WR-PHD 2.54 mm Angled Socket Header	SWD	JP4-D1C	JP4	1
ATSAMD21G18A-AU	ARM® Cortex®-M0+ SAM D21G Microcontroller IC 32-Bit 48MHz 256KB _256K x 8_ FLASH 48-TQFP _7x7_ Arduino Zero	U1	QFP50P900X900X120-48N	ATSAMD21G18A-AU	1
LM1117-3.3V	800mA Low-Dropout Linear Regulator	U2	SOT223	LM1117	1
USBLC	http://robocon.vn/detail/ic81-ic-dan-ul26-usblc6-2sc6-sot-23-6-st-st-esd.html	US1	SOT23-6	USBLC6-2S	1
32.768khz	Crystal, 32.768 KHz, -40 to 85 degC, 3.2 x 1.5 x 0.9 mm SMD	X1	XT32K	XT2	1