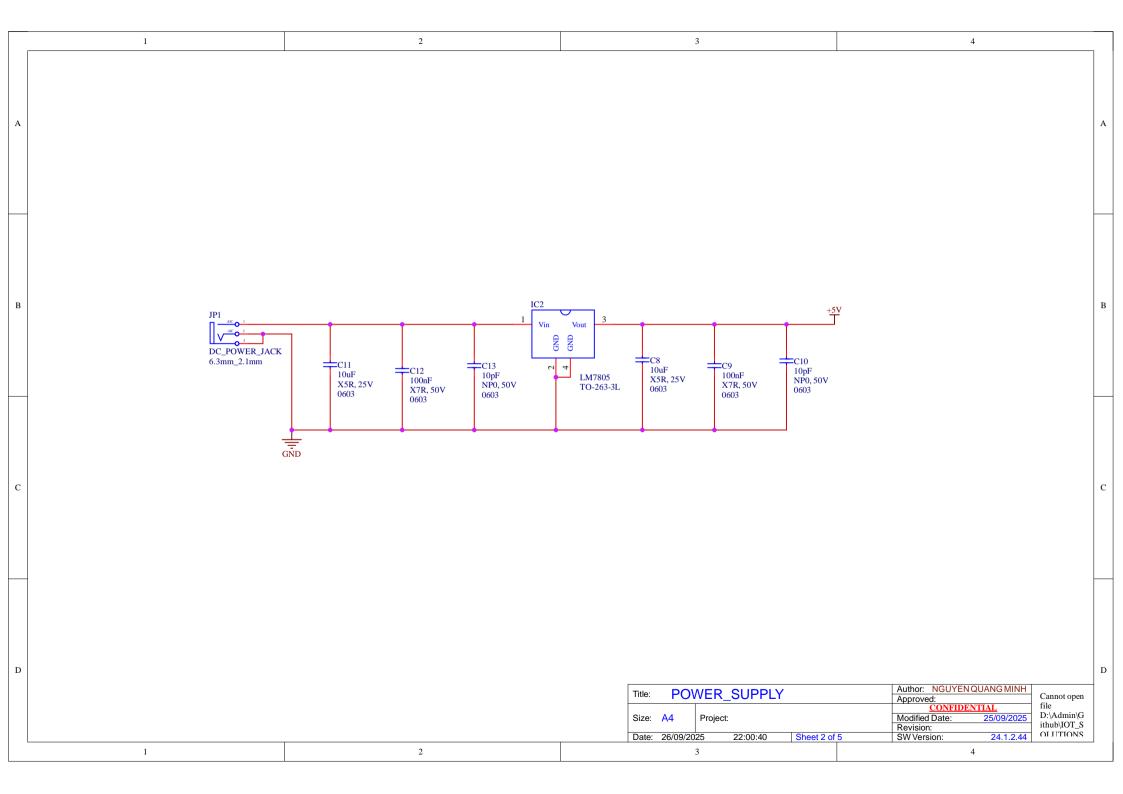
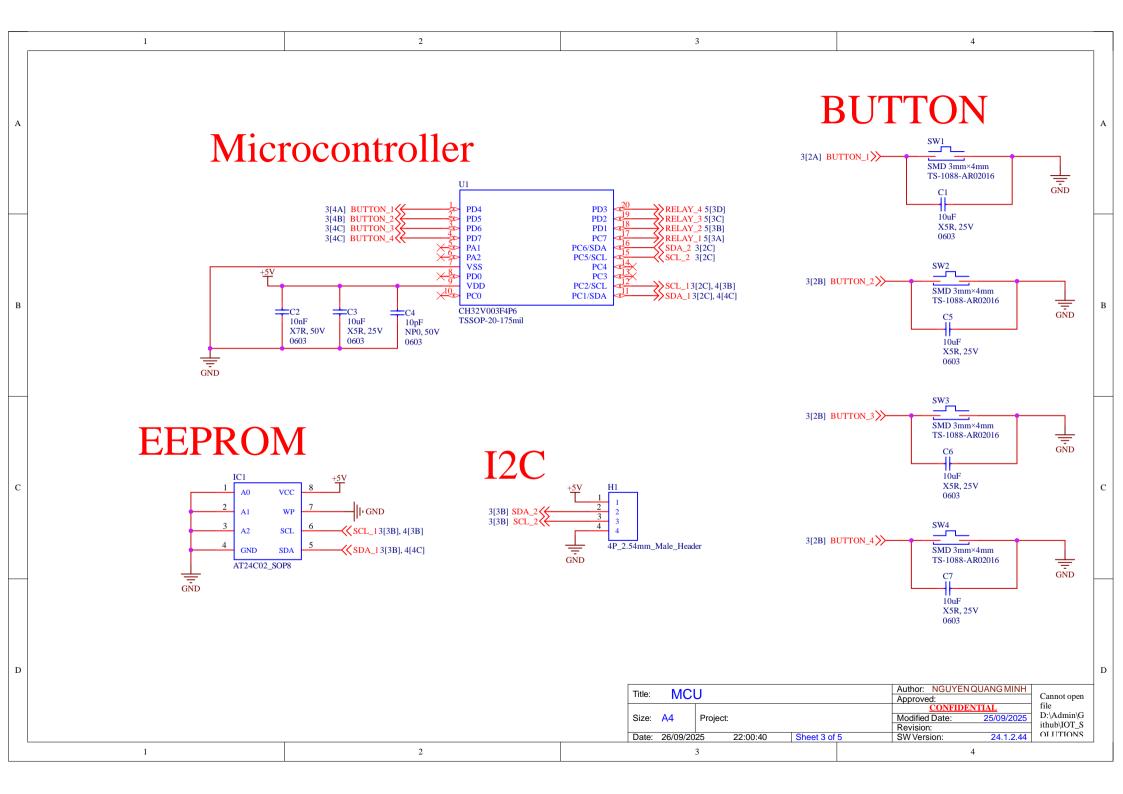
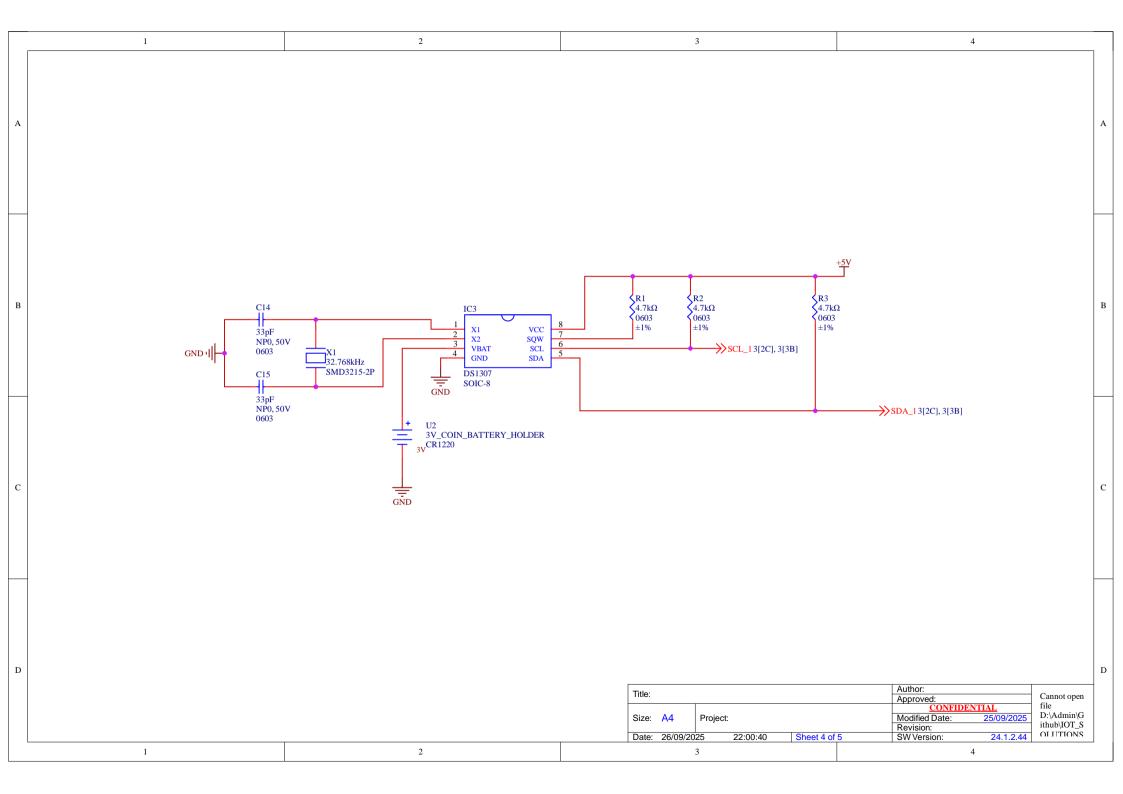
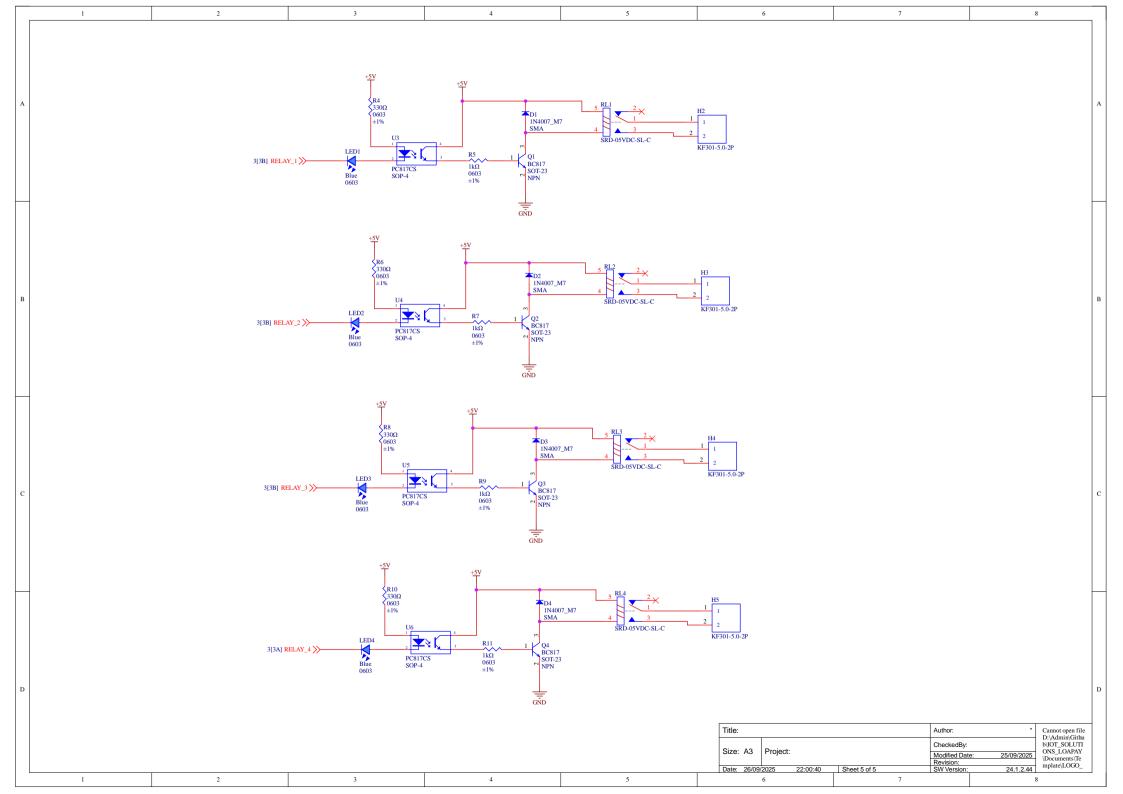
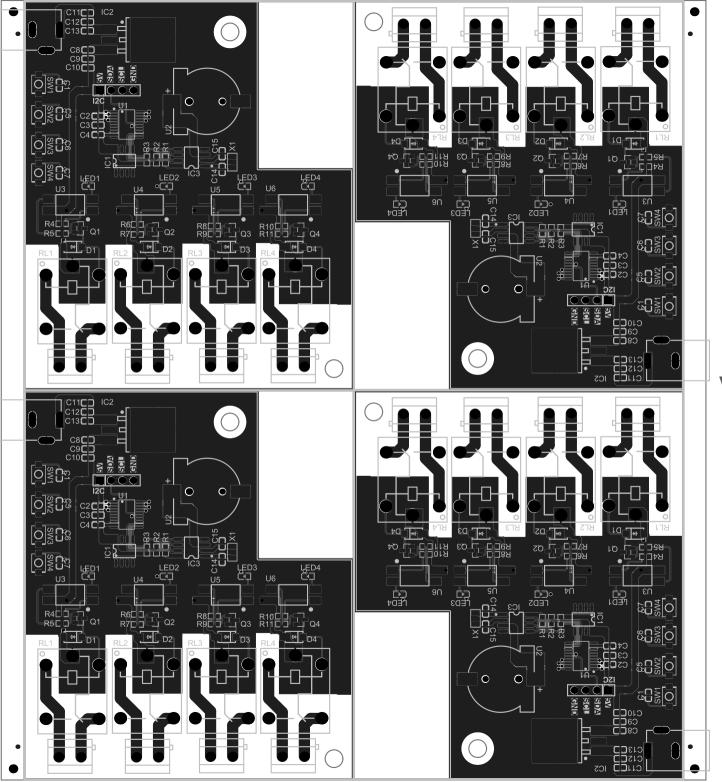
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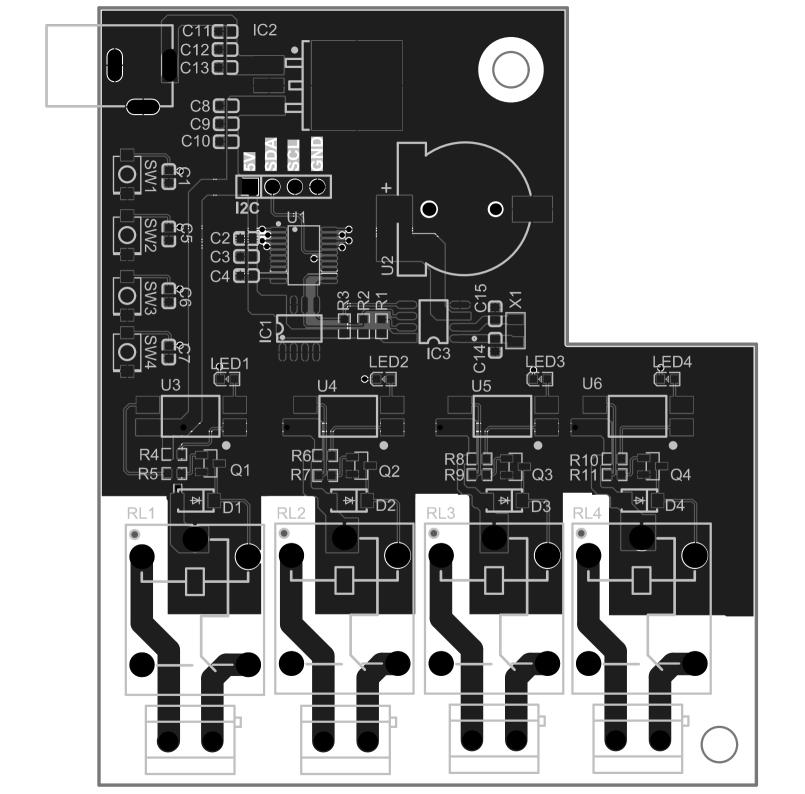








V-Cut Line



Comment	Description	Designator	Footprint	Quantity	LCSC Part	Mfr. Part	Manufacturer	Link
10uF	25V 10uF X5R ±20% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C1, C3, C5, C6, C7, C8, C11	C0603	7	C596327	CC0603MRX5R8B B106	YAGEO	https://www.icsc com/product- detail/C596327.h ml
10nF	50V 10nF X7R ±10% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C2	C0603	1	C100042	CC0603KRX7R9BB 103	YAGEO	https://www.lcsc com/product- detail/C100042.h ml
1 OpF	50V 10pF NP0 ±5% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C4, C10, C13	C0603	3	C106245	CC0603JRNPO9BN 100	YAGEO	https://www.icsc com/product- detail/C106245.h ml
100nF	50V 100nF X7R ±10% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C9, C12	C0603	2	C14663	CC0603KRX7R9BB 104	YAGEO	https://www.lcsc com/product- detail/C14663.htr I
33pF	50V 33pF NP0 ±5% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C14, C15	C0603	2	C107047	CC0603JRNPO9BN 330	YAGEO	https://www.icsc com/product- detail/C107047.h ml
1N4007_M7	1A 1V@1A 1kV SMA Diodes - General Purpose ROHS	D1, D2, D3, D4	SMA(DO-214AC)	.4	C20754788	1N4007 M7	JSMSEMI	https://www.ksc com/product- detail/C20754788 html?s_z=n_1N40 07
4P_2.54mm_Male_He ader	4P 1x4P -40°C-+105°C Black Pin Header 2.54mm 2.5mm 6mm 250V 3mm 1 Through Hole Through Hole,P-2.54mm Headers, Male Pins ROHS	н1	4P, 2,54mm, MALE HEADER	1	C2691448	PZ254V-11-04P	XFCN	https://www.lcsc com/product- detail/C2691448. tml
KF301-5.0-2P	1x2P -30°C-+120°C 17A 250V Blue 14-22 Through Hole 5mm 1.5 1 2 Through Hole,P=5mm Screw Terminal Blocks ROHS	H2, H3, H4, H5	CONN- TH_P5.00_KF301-5.0- 2P	4	C474881	KF301-5.0-2P	Cixí Kefa Elec	https://www.icsc com/product- detail/C474881.h ml
AT24002_SOP8	2Kbit 1.8V-5.5V 1MHz I2C SOP-8 Memory (ICs) ROHS	IC1	SOP-8	1	C688857	AT24C02	IDCHIP	https://www.lcsc com/product- detail/C688857.h ml?s_z+n_AT24O 2%2520- %2520TSSOP8
LM7805	62dB@(120Hz) 1A Fixed 4.8V-5.2V Positive 35V TO-263- 3L Voltage Regulators Linear, Low Drop Out (LDO) Regulators ROHS	IC2	TO-263-3L	1	C5145372	LM7805SRG	HANSCHIP semiconductor	https://www.lcsc com/product- detail/C5145372. tml?s_z=n_lm780
DS1307	I2C SOIC-8 Real Time Clocks ROHS	IC3	SOIC-8	1	C9868	DS1307Z+T&R	MAXIM	https://www.icse com/product- detail/C9868.htm 7s_z=n_DS1307
DC_POWER_JACK	Right Angle DC Power Jack -40°C-+85°C 2.1mm 6.3mm 3A 500V Through Hole DC Power Connectors ROHS	JP1	DC_POWER_IACK_6.3 mm_2.1mm	1	C7498153	XDJK-0051-025	Lian Xin Technology	https://www.icsc com/product- detail/C7498153. tml?s_z=n_XDJK- 0051-025
Blue	2mA 24mcd Water Clear -40°C-+85°C 470nm Blue 130° 120mW 2.65V 0603 LED Indication - Discrete ROHS	LED1, LED2, LED3, LED4	LED0603_BLUE	4	C5200747	APT1608LVBC/D	Kingbright	https://www.icsc com/product- detail/C5200747. tml
BC817	345mW 45V 250@100mA,1V 500mA NPN SOT-23 Single Bipolar Transistors ROHS	Q1, Q2, Q3, Q4	SOT-23	4	C52801	BC817-40,215	Nexperia	https://www.icsc com/product- detail/C52801.hts I7s_z=n_NPN
4.7kΩ	100mW Thick Film Resistor 75V ±100ppm/°C ±1% 4.7kΩ 0603 Chip Resistor - Surface Mount ROHS	R1, R2, R3	R0603	3	C99782	RC0603FR-074K7L	YAGEO	https://www.lcsc com/product- detail/C99782.htr I
330Ω	100mW Thick Film Resistor 75V ±100ppm/°C ±1% 3300 0603 Chip Resistor - Surface Mount ROHS	R4, R6, R8, R10	R0603	4	C105881	RC0603FR- 07330RL	YAGEO	https://www.lcsc com/product- detail/C105881.h ml
1kΩ	0603 Chip Resistor - Surface Mount ROHS	R5, R7, R9, R11	R0603	4	C22548	RC0603FR-071KL	YAGEO	https://www.icsc com/product- detail/C22548.htr I
SRD-05VDC-SL-C	250V@AC 5V 15A 1 Form C: 1C (SPDT-CO) Through Hole, 15.6x19.2mm Power Relays ROHS	RL1, RL2, RL3, RL4	Through Hole,15.6x19.2mm	4	C35449	SRD-05VDC-SL-C	Songle Relay	https://www.icsc com/product- detail/C35449.hts I?s_z=n_relay
SMD 3mm×4mm	Without Bracket 50mA 4mm 100,000 Cycles 12V 1.6N 3mm 2mm Round Button Surface Mount, Vertical SPST SMD Tactile Switches ROHS	SW1, SW2, SW3, SW4	ROUND_BUTTON_SM D 3*4mm	4	C720477	TS-1088-AR02016	XUNPU	https://www.icsc com/product detail/C720477.h ml?s_z=n_Button
CH32V003F4P6	TSSOP-20-175mil	U1	TSSOP-20	1	C5187096	CH32V003F4P6	WCH	https://www.lcsc com/product- detail/C5187096. tml?s_z=n_CH321 003F4P6
BV_COIN_BATTERY_H DLDER	Battery Holder - 25°C-+85°C Phosphor Bronze CR1220 SMD Button And Strip Battery Connector ROHS	U2	3V_COIN_BATERRY_H OLDER_CR1220	1	C964723	BS-12-B3AA003	MYOUNG	https://www.icsc com/product- detail/C964723.h ml
PC817CS	50mA 200mV@1mA,20mA 80V 6V 1.2V DC SOP-4 Transistor, Photovoltaic Output Optoisolators ROHS	U3, U4, U5, U6	SOP-4	4	C20612591	PC817CS	AOTE	https://www.lcsc com/product- detail/C2061259 html?s_z=n_pc81
32.768kHz	32.768kHz 12.5pF	хі	SMD3215-2P	1	C156245	NX3215SA- 32.768K-STD-MUA 8	NDK	https://www.lcsc com/product- detail/C156245.h ml?s_z=n_Crystal %252032%252C7 8kHz