

Title		
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A4		
Date:	12/07/2023	Sheet of
File:	E:\project\...\1.Power.SchDoc	Drawn By:

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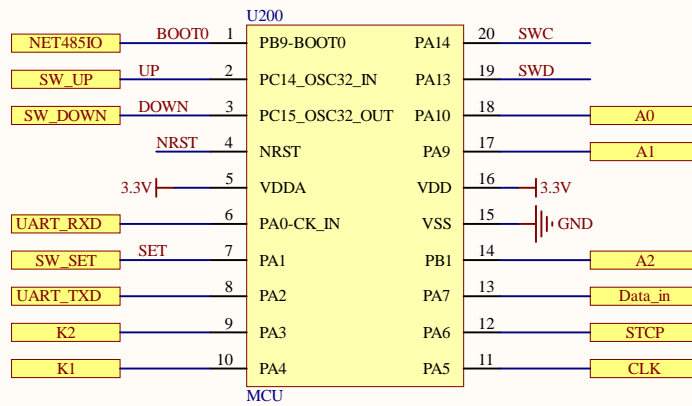
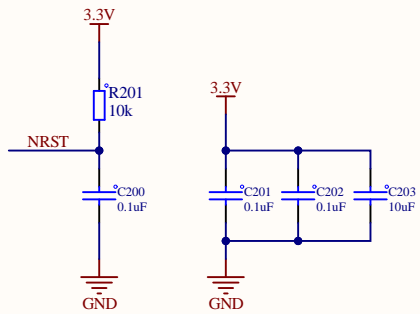
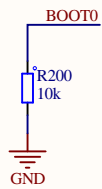
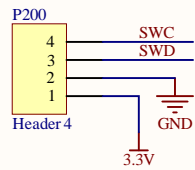
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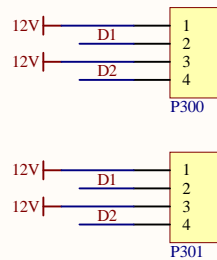
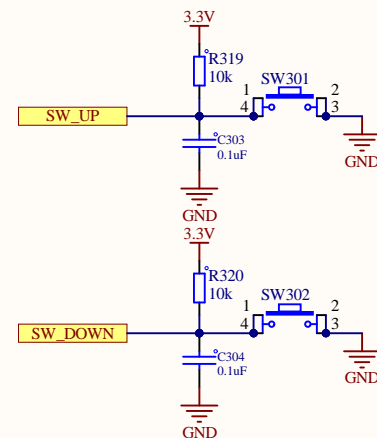
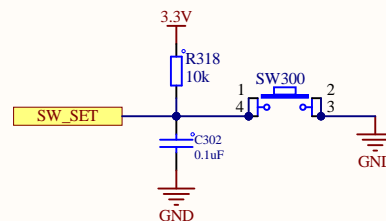
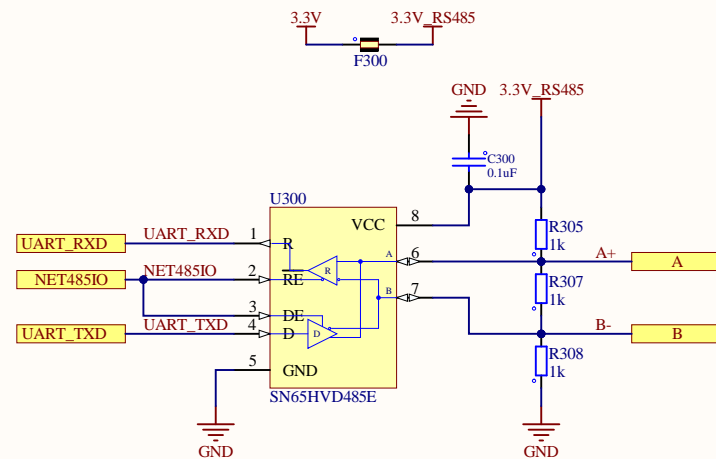
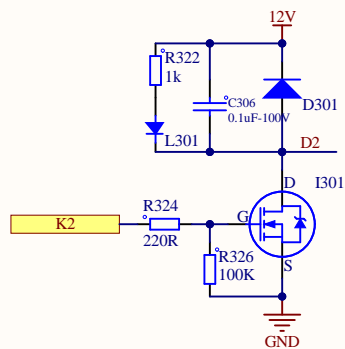
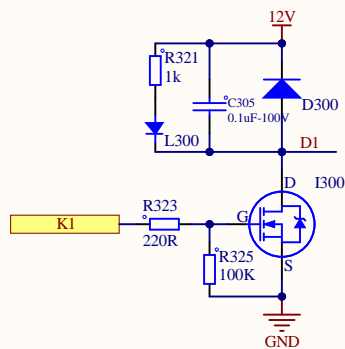
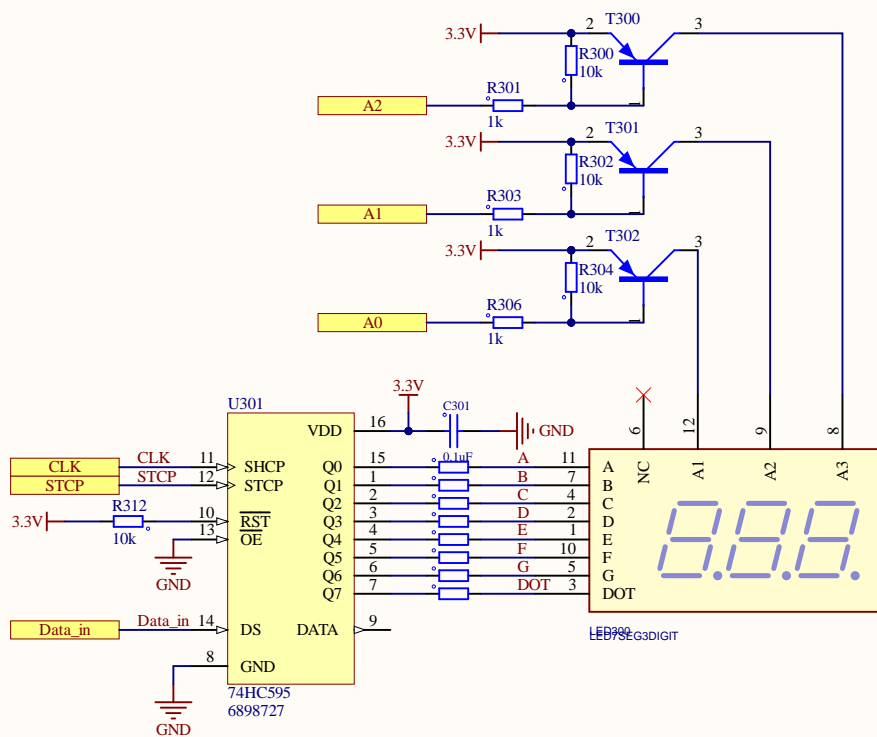
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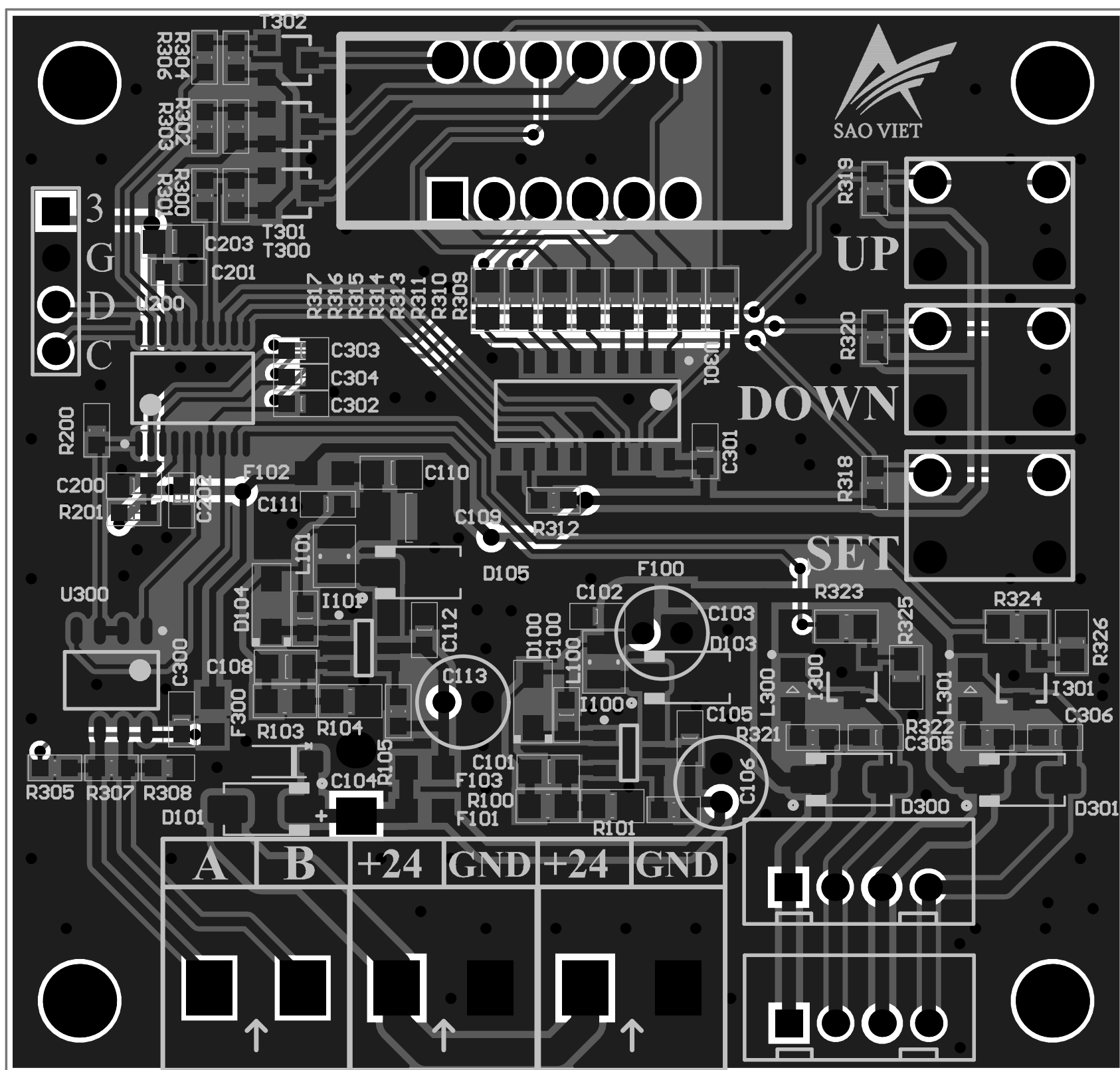
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Comment	Description	Designator	Footprint	LibRef	Quantity
h?	hole_3mm	*100, *101, *102, *103	Hole_3mm	hole_4mm	4
0.1uF	Cap SMT Cer .1uF 50V 10% 0603 4K/TR, Cap Ceramic 0.1uF 50V X7R 10% Pad SMD 0603 125°C T/R, 0.10uF 16V Ceramic Capacitor X7R 0603 (1608 Metric) 0.083" L x 0.031" W (1.60mm x 0.80mm)	C100, C102, C105, C107, C111, C112, C200, C201, C202, C300, C301, C302, C303, C304	C0603	C0.1uF-0805, C0.1uF- 0603	14
C33pf 0805	33pF ±1% 50V Ceramic Capacitor C0G, NPO 0805 (2012 Metric)	C101, C108	C0805	C33pf 0805	2
330uF 25V	10uF 35V Aluminum Capacitors Radial, Can 2000 Hrs @ 85°C, Cap Aluminum 070uF 50V 20% (10 X 20mm)	C103	C5x11	C10u-35V_hold	1
C470uF -50V	Radial 5mm 650mA 2000h 85°C Ammo Pack	C104	CP2/4	C470uF-16V	1
10uF 35V	10uF 35V Aluminum Capacitors Radial, Can 2000 Hrs @ 85°C	C106, C113	C5x11	C10u-35V_hold	2
100uF	100uF 10V Ceramic Capacitor X5R 1210 (3225 Metric) 0.126" L x 0.098" W (3.20mm x 2.50mm)	C109	C1210	C100uF_1210_10V	1
10uF	10uF 10V Ceramic Capacitor X5R 0805 (2012 Metric) 0.079" L x 0.049" W (2.00mm x 1.25mm), 10uF 6.3V Ceramic Capacitor X5R 0805 (2012 Metric) 0.079" L x 0.049" W (2.00mm x 1.25mm)	C110, C203	C0805	C10uF_0805_10V, C10uF_0805	2
0.1uF-100V	0.1uF ±10% 100V Ceramic Capacitor X7R 0805	C305, C306	C0603	C0.1uF-0805_100V	2
Diode Schottky 20V 1A	VR-20V IF=500mA 170pF P-410mW	D100, D104	SODFL360X96-2H	Diode Schottky 20V 1A	2
SS34	30V -4A, GEN PURP 1KV 1A SMA	D101, D103, D105	DO-214AC	Diode_SCHOKY 1KV 1A SMA	3
TVS_Diode_24V	TVS DIODE 24VWM 38 9VC SOD123F	D102	SOD123	TVS_24V	1
S1M13-F	GEN PURP 1KV 1A SMA	D300, D301	DO-214AC	Diode_SCHOKY 1KV 1A SMA	2
Ferrite bead 0805	FERRITE BEAD 1S OHM 0805 1LN	F100, F101, F102, F103, F300	L0805	Ferrite bead 0805	5
BUCK_0.5A	IC REG BUCK ADJ 0.5A	I100, I101	MP2456GJ-Z	MP2456GJ-Z	2
DMN3053L-7	MOSFET N-CH 30V 3.4A SOT23	I300, I301	SOT23A	DMG7430LFG-7	2
L_10uH_1A	Inductor Power Shielded Multi-Layer 10uH 20% 1MHz Metal 0.85A 0.46Ohm DCR 1008 T/R	L100, L101	L2016	L_10uH	2
Value		L300, L301	LED0805_Blu	LED_3mm	2
LED7SEG-3DIGIT		LED300	LED 7SEG 3 DIGIT	LED7SEG-3DIGIT	1
Logo		Logo Sao viet100	Logo Sao viet	Logo	1
691216510002	TERM BLOCK 2POS HORIZ 5.08MM T/R	P100, P101, P102	Medium - Header 2	Header 2 - 5.08MM T/R 691216510002	3
Header 4	Header, 4-Pin	P200	HDR1X4	Header 4	1
Header 4P XH2.54		P300, P301	Header 4P 2.54MM	Header 4P XH2.54	2
47k	47k Ohms ±5% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R100	R0805	R47k_0805	1
3.3k	RES SMD 3.3k OHM 5% 1/8W 0805	R101	R0805	R3.3k_0805	1
10k	RES SMD 10k OHM 5% 1/10W 0603	R102, R105, R200, R201, R300, R302, R304, R312, R318, R319, R320	R0603	R10k_0603	11
100K	100 kOhms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R103, R325, R326	R0805	Res 100K 0805	3
32.4K	RES 4-8 324000 ± 1.00% 0.125W ± 100ppm/°C 0805	R104	R0805	R32.4k_0805	1
1k	RES SMD 1K OHM 1% 1/8W 0805, RES SMD 1K OHM 5% 1/8W 0805, RES SMD 1K OHM 5% 1/10W 0603	R201, R203, R305, R306, R307, R308, R321, R322	R0603	R1k_0805, R1k_0603	8
220R		R309, R310, R311, R313, R314, R315, R316, R317, R323, R324	R0805	R22R_0805	10
SW	Switch button 4 pin	SW300, SW301, SW302	SW-4P-S	SW4	3
SM/MB13906L1TG	PNP 40V 200mA 250MHz 300mW	T300, T301, T302	SOT23A	PNP-T MB/MT3906L1TG	3
MCU	ARM Cortex-M0- STM32 L0 Microcontroller 32- Bit 32MHz 32kB FLASH TSSOP20 STM32L031F6P7	U200	TSOP65P660X150-20N	STM32L011F6P7	1
SN65HVD485E	IC TXRX RS485/RS422 8-SOIC	U300	Sop 8	MAX485 SN65HVD72DR	1
74HC595	8-Bit Serial- Input/Serial or Parallel Output Shift Register with Latched 3-State Outputs	U301	SOIC127P600X135- 16N	74HC595	1