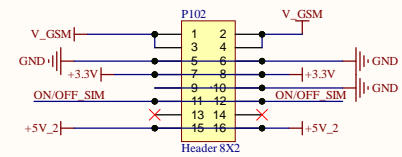
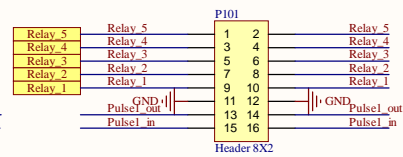
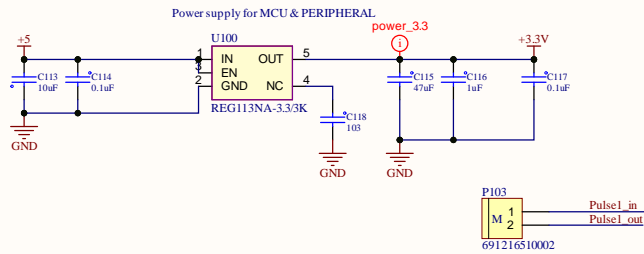
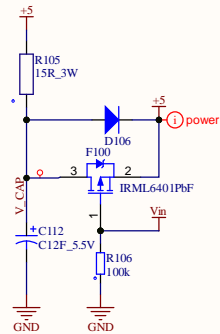
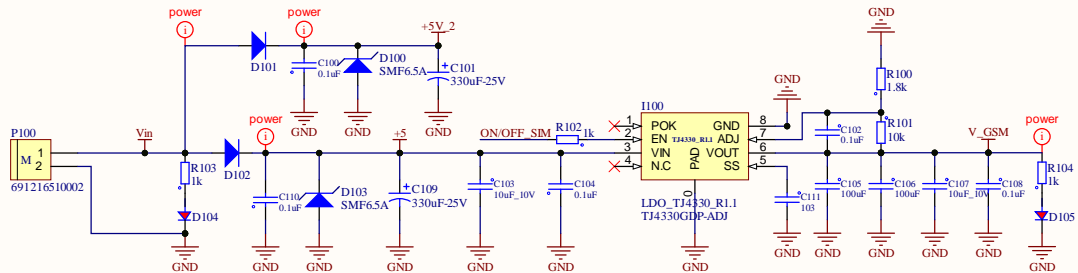
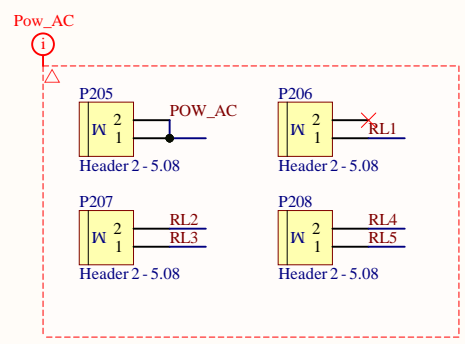
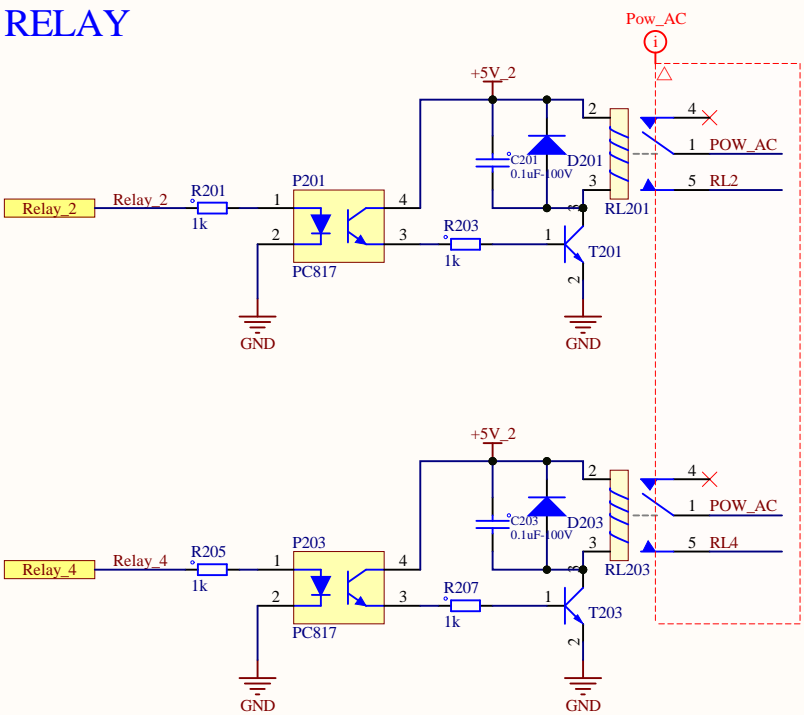
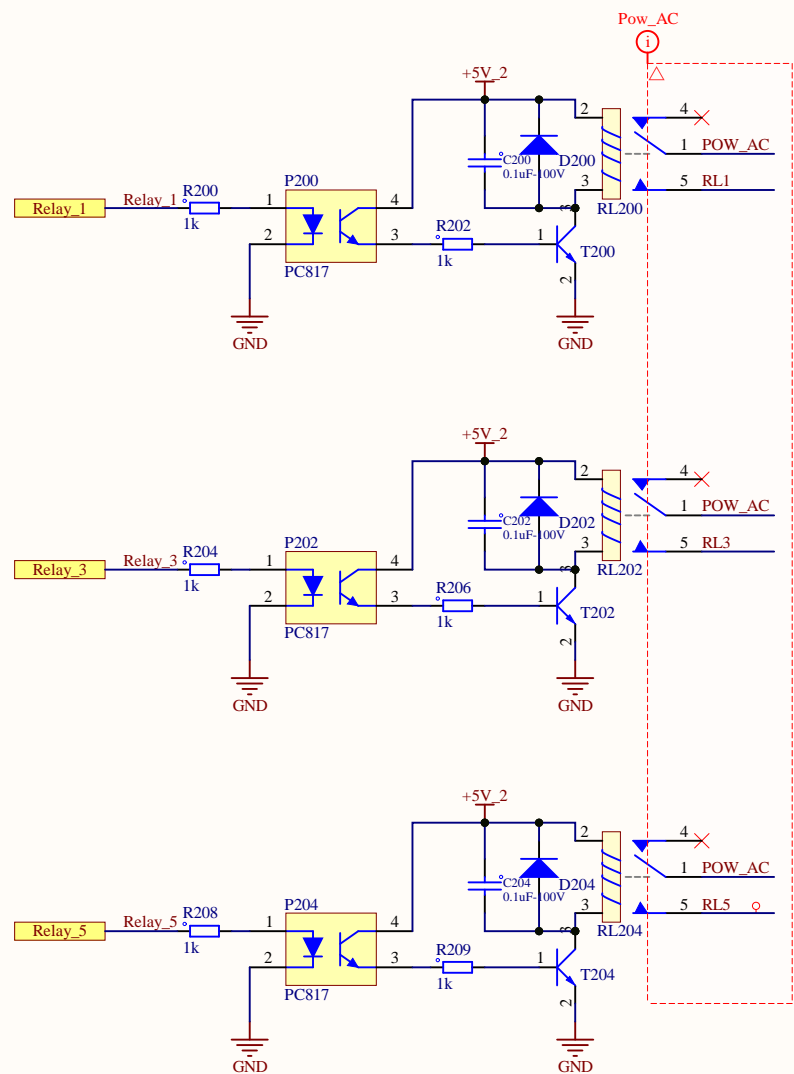



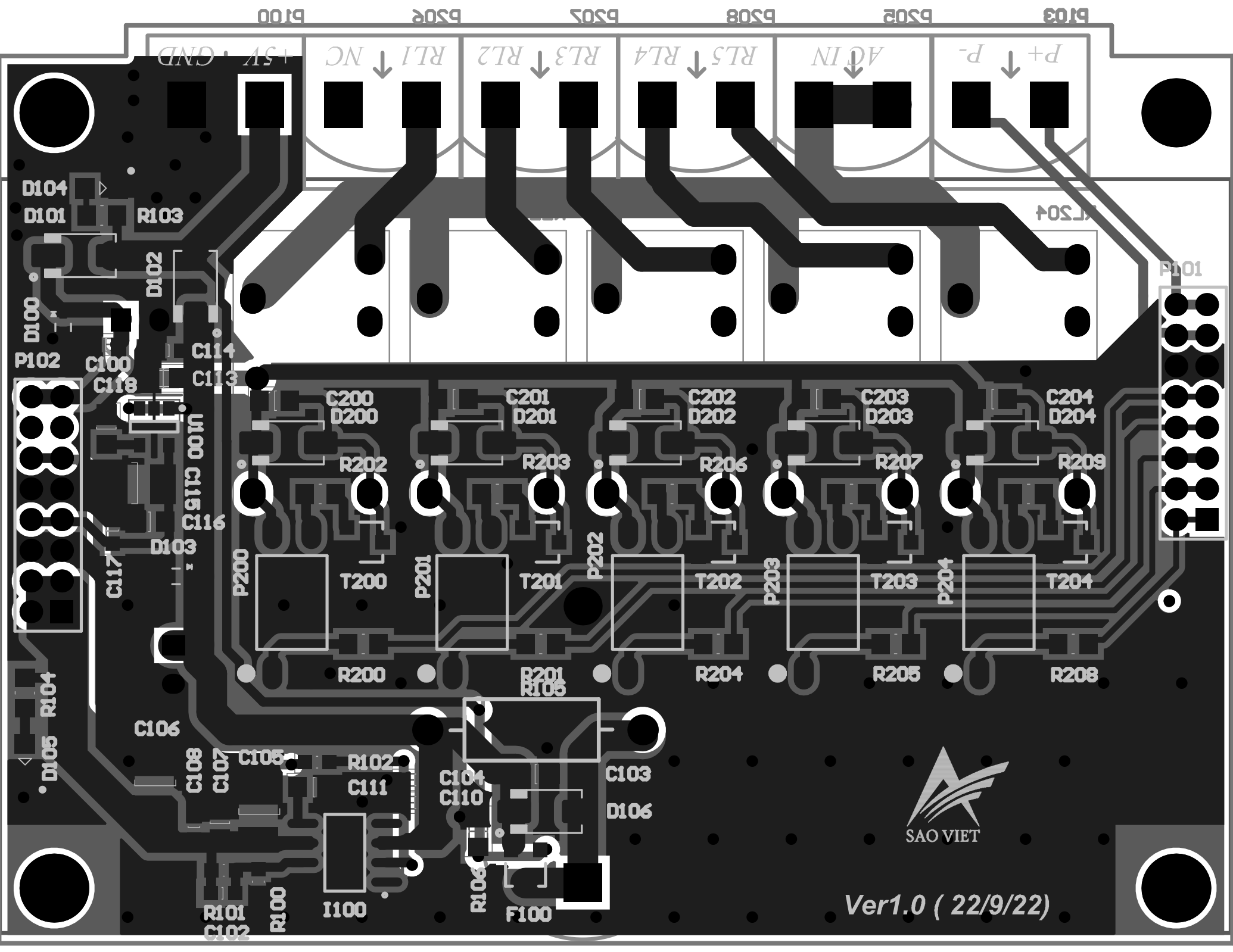
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RELAY



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Ver1.0 (22/9/22)

Designator	Comment	Description	Manufacturer	Manufacturer Part Number	Footprint	Quantity
C100, C102, C104, C108, C110, C114, C117	0.1uF	0.1uF ±10% 50V Ceramic Capacitor X7R 0805	Samsung	CL21B104MBCNN NC	C0603	7
C101, C109	330uF-25V	330uF 25V Aluminum Electrolytic Capacitors Radial, Cap 3000 Hrs @ 105°C	Nichicon	UWK1C331MED1T D	08mm	2
C103, C107	10uF_10V	10uF 10V Ceramic Capacitor X5R 0805		0805X106K100NT	C0805	2
C105, C106	100uF	100uF 10V Ceramic Capacitor X5R 1210 (3225 Metric) 0.126" L x 0.098" W (3.20mm x 2.50mm)	Taiyo Yuden	UMK325B107MMA T	C1210	2
C111, C118	103	10000PF 50V X7R 0805	Taiyo Yuden	UMK212B7103KG HT	C0805	2
C112	C12F - 5.5V				C12F - 5.5V	1
C113	10uF	10uF 6.3V Ceramic Capacitor X5R 0805 (2012 Metric) 0.079" L x 0.049" W (2.00mm x 1.25mm)	Taiyo Yuden	UMK212AB106KGT HT	C0805	1
C115	47uF	47uF 16V Ceramic Capacitor X5R 1210 (3225 Metric) 0.126" L x 0.098" W (3.20mm x 2.50mm)	Taiyo Yuden	UMK325AB107M M-P	C1210	1
C116	1uF	0.10uF 50V Ceramic Capacitor X7R 0805 (2012 Metric) 0.079" L x 0.049" W (2.00mm x 1.25mm)	Taiyo Yuden	TMK212B7105KG-T	C0805	1
C200, C201, C202, C203, C204	0.1uF-100V	0.1uF ±10% 100V Ceramic Capacitor X7R 0805	Taiyo Yuden	UMK212B7104KG-T	C0805	5
D100, D103	SMF6.5A	TVS DIODE 6.5V 11.2V SMD123F	Micro Commercial Co	SMF6.5A-TP	SOD523F	2
D101, D102, D106	DIODE	DIODE SCHOTTKY 40V 2A SMC	Comchip	SS34	DO-214AC	3
D104, D105	L_RED	Red 638nm LED Indication - Discrete 1.8V 0805 (2012 Metric)	Lite-On Inc.	LTST-C1710XT	Led_0805RED	2
D200, D201, D202, D203, D204	91M-13 F	GEN PURP 3KV 1A SMA	Diodes Incorporated	US1M-13 F	DO-214AC	5
F100	IRML6401PbF	MOSFET P-CH 12V 4.3A SOT-23	Infineon Technologies	IRML6401TRPBF	SOT23A	1
I100	LDO_TJ4330_R1.1			TJ4330GDP-ADJ	SOIC150-8_N - Pad0	1
P100, P103	691216510002	TERM BLOCK LPOS HDR02 5.08MM T/H	Würth Electronics Inc.	691216510002	Medium - Header 2	2
P101, P102	Header 8X2	Header, 8-Pin, 2mm, Female Dual row	China		HDR2X8 -2mm	2
P200, P201, P202, P203, P204	PC817	NPN PHOTO General Purpose Amplifier	Sharp Microelectronics	PC817X2NIP0F	PC817x15MD	5
P205, P206, P207, P208	Header 2 - 5.08	2 Position Wire to Board Terminal Block Horizontal with Board 0.200" (5.08mm) Through Hole	Würth Electronics Inc.	691216510002	Medium - Header 2	4
R100	1.8k	Res Thick Film 0603 1.8K Ohm 1% 0.1W(1/10W) ±100ppm/°C Pad SMD 1/8	Yageo	RC0603FR-071K8L	R0603	1
R101	10k	Res General Purpose Thick Film 0603 10K Ohm 1% 1/10W ±100ppm/°C Molded SMD Paper 1/8	Yageo	RC0603FR-0710KL	R0603	1
R102	1k	Res Thick Film 0603 1k Ohm 1% 1/10W ±100ppm/°C Molded SMD SMD Paper 1/8	Yageo	RC0603FR-071KL	R0603	1
R103, R104, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209	1k	RES SMD 1K OHM 1% 1/8W 0805, RES SMD 1K OHM 5% 1/10W 0603	Yageo	RC0805FR-071KL, RC0603FR-071KL	R0805	12
R105	15R_3W	RES 8.2 OHM 2W 5% AXIAL			RTW	1
R106	100k	RES SMD 100K OHM 5% 1/10W 0603			R0805	1
RL200, RL201, RL202, RL203, RL204	HF32FA/005-Z52	Relay HF32FA/005-Z52	HONGFA	HF32FA/005-Z52	RELAY_HF32FA/005-Z52 -HONGFA	5
T200, T201, T202, T203, T204	MMBT3904LT1G	TRANS NPN 40V 0.2A SOT23	ON Semiconductor	MMBT3904LT1G	SOT23A	5
U100	REG113NA-3.3/3K	Linear Voltage Regulator IC Positive Fixed Output 3.3V 400mA SOT-23-5	Texas Instruments	REG113NA-3.3/3K	SOT23-5_L	1