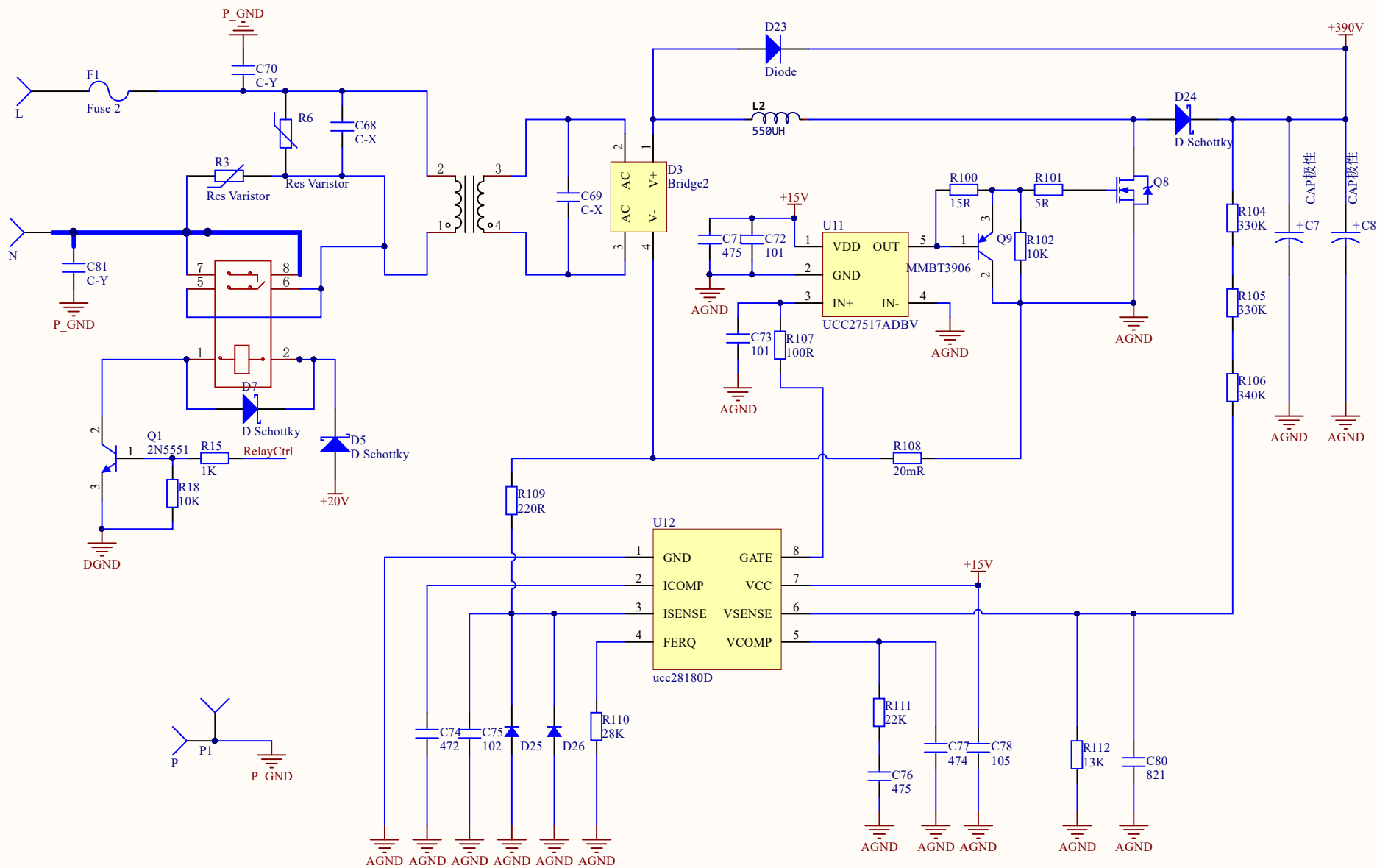




Title		
Size	Number	Revision
A4		
Date:	2025/5/24	Sheet of
File:	D:\LC PCB Project\..PFC Model Sheet\..Schematic By:	

Comment	Minors, General	Designator	Footprint	Model	Quantity
Motor	Motor, General	M		Motor	1
475	Capacitor	C1, C12, C15, C16	0805-C	CAP_0805	4
104	Capacitor	C2, C3, C8, C13, C14, C15, C16, C18, C19	0603-C	CAP_0603	10
CAP0805	Capacitor	C7	CAP 08	CAP0805	1
CAP0805	Capacitor	C4, C10, C11B	CAP 06	CAP0805	3
106	Capacitor	C5, C11, C20, C22	1206-C	CAP_1206	4
CAP0805	Capacitor	C7, C8	CAP TH_0835-D- P16.00-D2.3- 10 - standard	CAP0805	2
105	Capacitor	C11, C16, C21, C23, C31, C33, C34, C35, C36, C38	0805-C	CAP_0805	10
102	Capacitor	C11, C16, C19, C24, C26, C27, C28, C31, C36, C38, C40, C41, C46, C75	0603-C	CAP_0603	14
003	Capacitor	C3	0603-C	CAP_0603	1
101	Capacitor	C42, C43, C44, C46, C48, C49, C48, C72, C73	0603-C	CAP_0603	9
104/0805	Capacitor	C56	CAP 08B	CAP_0805	1
C-X	Capacitor	C68, C69	K-CAP TH_118-D- WB-S-P15.00, 0.5A	CAP_X	2
C-Y	Capacitor	C70, C81	Y-CAP TH_17.5-W4.5- P10.00-20A, 1	CAP_Y	2
472	Capacitor	C74	0603-C	CAP_0603	1
C24	Capacitor	C77	0603-C	CAP_0603	1
001	Capacitor	C80	0603-C	CAP_0603	1
D Schottky	Schottky Diode	D1, D2, D4, D5, D6, D7	DO-214AC	D Schottky	6
Bridge2	Diode Bridge	D3	GBU4P-12Z48 W3.5-P5.08	Bridge2	1
DBV	Diode	D8	SDO-123	D Zener	1
Diode	Default Diode	D10, D11, D14, D15, D16, D20, D19	SDO-123	Diode, 1	7
Diode	Default Diode	D16	SDO-123	Diode, 1	1
LED	Diode	D22	SDO-123	D Zener	1
LED	Diode	D22	0603-LED	LED	1
Diode	Default Diode	D23	DO SD1A0-B05.3- L8.4-P12.50, 0.4-ABD	Diode	1
D Schottky	Schottky Diode	D24	TO-263-2, 1	D Schottky	1
Diode	Default Diode	D25, D26	SDO-123	Diode, 1	2
Pin 2	Pin	2	FUSE	Pin 2	1
Header	Header 4 Pin	H, J4	Connector - 4Pin 0.54mm	Header 4	2
HF1155/024-1H53		H7	RELAY TH_HF115F- XXX-1H53	HF1155/024-1H53	1
DLSF01010-12W4-L-S		L1	F-C 20-15	DLSF01010-12W4-L-S	1
ESDUP	POWER INDUCTOR SMA 13.5mmx12.2mm	L2	INDUCTOR 40uH	INDUCTOR,1	1
Socket	Socket	L, N, P, P1, U, V-W	SOCKET	Socket	7
脚座, R		D10, D11, D12, D13, D14, D15	Pin-to-TOP	脚座, R	6
2N5551	NPN General Purpose Amplifier	Q1, Q10	SO7-23	MMBT3904	2
GBT-N	PNP Bipolar Junction Transistor	Q2, Q3, Q4, Q5, Q6, Q7	TO-263-1 _L115.9-W5.0- P5.44-L	GBT-N	6
电阻, 390N	Power MOSFET	Q8	TO-263-2, 1	NMOS-2	1
MMBT3906	PNP General Purpose Amplifier	Q9	SO7-23	MMBT3906	1
电阻, 390N	Power MOSFET	Q12	SO7-23	2N7002	1
R_0805	Resistor	R1, R67, R68, R69, R66, R100, R110	0805-R	R_0805	5
R_1206	Resistor	R2, R4, R5, R7, R9, R10, R40, R104, R105, R106, R112, R117	1206-R	R_1206	12
Res. Varistor	Varistor Surge Sensitive Resistor	R5, R6	PN-W2/E2.8	Res. Varistor	2
R_0603	Resistor	R8, R11, R12, R13, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R27, R28, R29, R30, R31, R32, R33, R35, R36, R37, R38, R39, R41, R44, R45, R46, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R66, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R85, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R111, R115, R116	0603-R	R_0603	81
R_2512	Resistor	R48, R49, R50, R51, R108	2512-R	R_2512	5
Trans1 Ideal	Three-winding Transformer Ideal	T1	EE16 Transformer	Trans1 Ideal	1
R15		T2	SO7 - B9	R15	1
05S2NAC080C		T2	LNMO-081	05S2NAC080C	1
C27005		U3, U9	SO7 - B9	C27005	2
Optoisolator1	4 Pin Phototransistor Optoisolator	U4, U6	SO-P4-J6.5- W4.6-P2.54- L510.2-TL	Optoisolator1	2
WPER12ADHP-6	Phototransistor	U5	W6.4-P2.54- L37.8-BL	WPER12ADHP-6	1
PT616A		U7	SO-P4-J6.5- L510.2-TL	PT616A	1
LM 291	Operational Amplifier	U10	SO8P	LM 358	1
UCC27517ADB		U11	SO7-23 _L13.8-W1.6- P0.95-L52.8-BL	UCC27517ADB	1
UCC2818BD		U12	SO8P	UCC2818BD	1