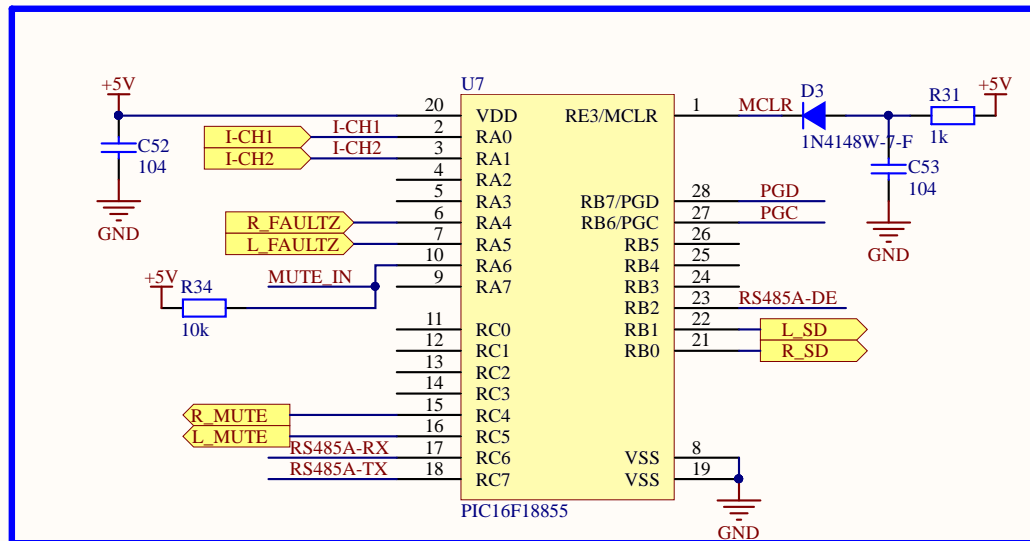
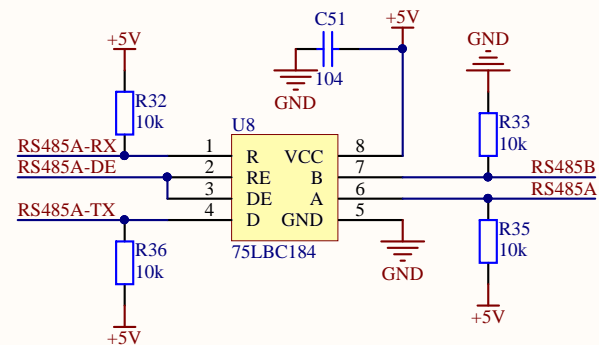


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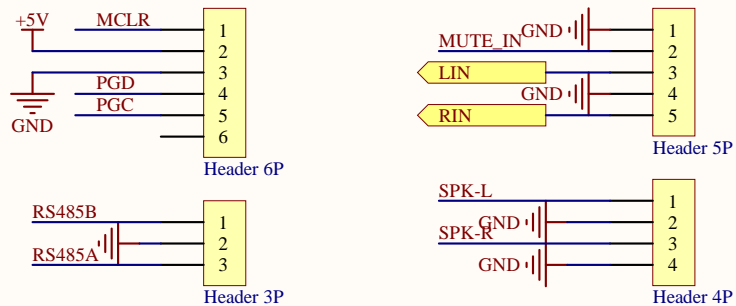


B

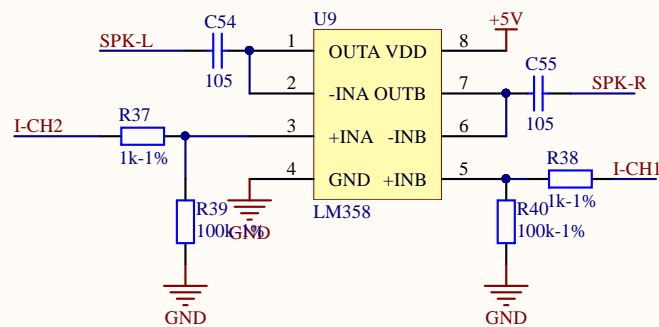


A

C



B

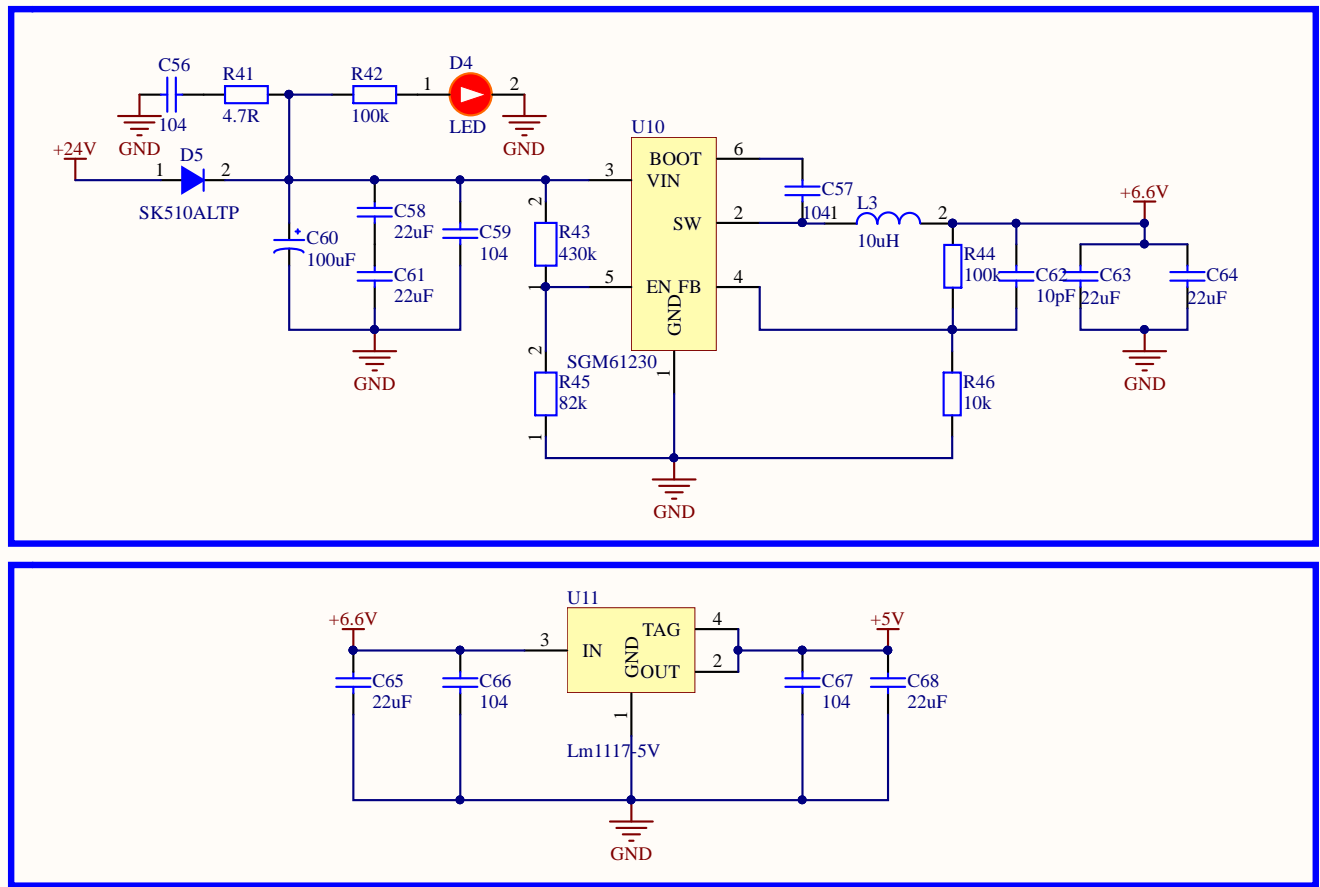


C

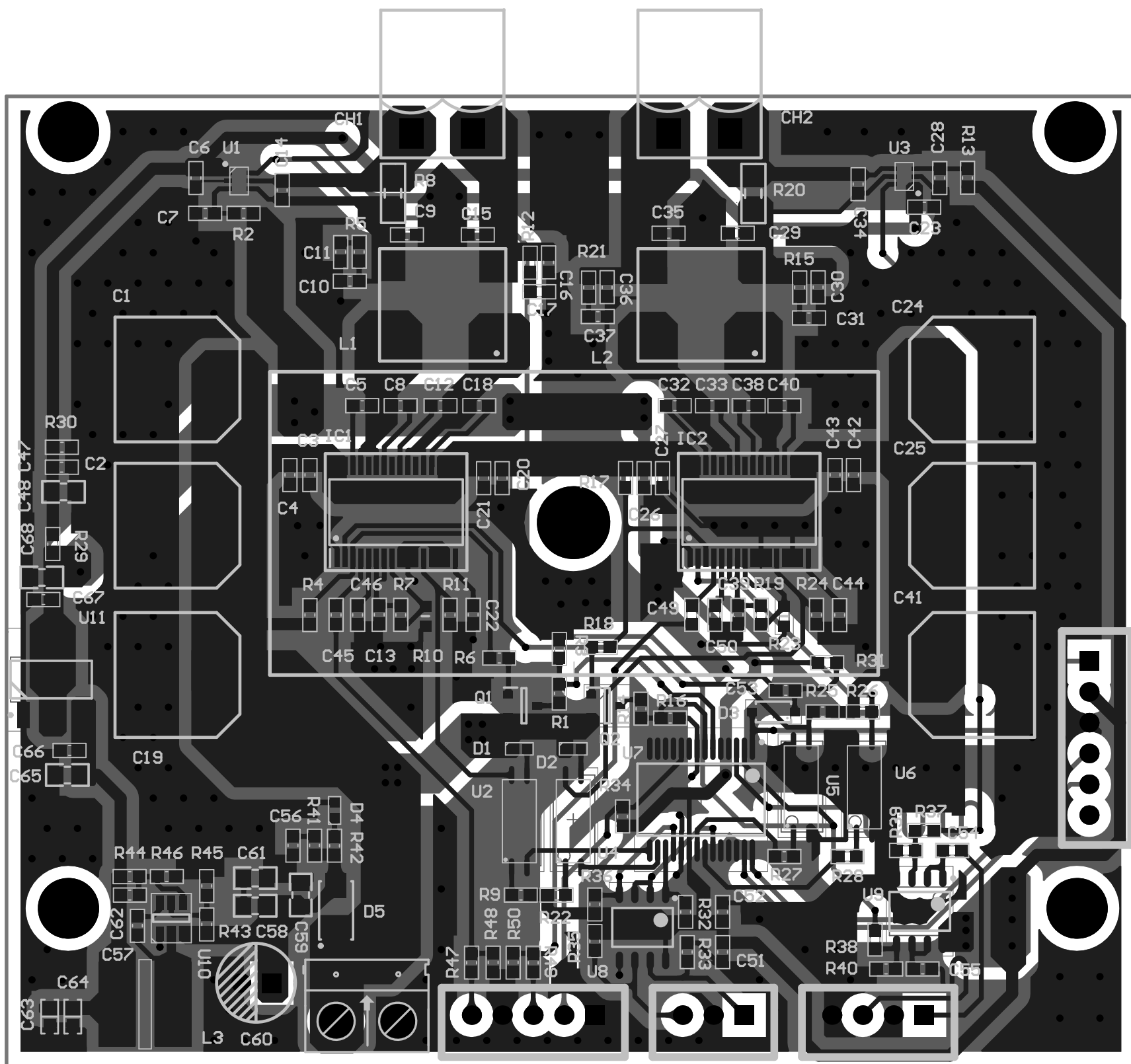
D

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A		
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File:	D:\Project Altium\...\Sche_cpu.SchDoc	Drawn By:

D



Title		
Size	Number	Revision
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Date:	7/25/2025	Sheet of
File:	D:\Project Altium\..\Sche_power.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
470uF	Dán	C1, C2, C19, C24, C25, C41	tu nhom 10 (G)	Tu Nhom 470uF 35V	6
104	Dán	C3, C4, C6, C7, C14, C20, C21, C23, C26, C27, C28, C34, C42, C43, C47, C51, C52, C53, C56, C57, C66, C67	tu 0603	Tu 0603 104 50V 10%	22
220nF	Integrated Circuit	C5, C8, C12, C18, C32, C33, C38, C40	Tu 0603	0603_220nF	8
105	Dán	C9, C10, C11, C13, C15, C16, C17, C29, C30, C31, C35, C36, C37, C39, C45, C46, C49, C50, C54, C55	tu 0603	Tu 0603 105 50V 10%	20
102_1nF	[NoValue], Dán	C22, C44	tu 0603	Tu 0603 102 50V 10%	2
106	Dán	C48	tu 0805	Tu 0805 106 16V 10%	1
22uF	0805 22uF	C58, C61, C65, C68	Tu 0805	0805-22uF	4
104	Dán	C59	tu 0805	Tu 0805 104 50V 10%	1
100uF	Cắm	C60	tu hoa 6.5mm	Tu Hoa 100uF 35V 6x8	1
10pF	Integrated Circuit	C62	Tu 0603	0603_10pF	1
22uF	Integrated Circuit	C63, C64	CAP 0603_1608	0603_22uF_16V	2
LED	LED RED SMD 0603	D1, D2, D4	LED0603	LED 0603 RED	3
1N4148W-7-F	Diode 1n4148 smd	D3	1N4148W-7-F	1N4148W-7-F	1
SK510ALTP	Diode SK510A SCHOTTKY	D5	SK510ALTP	SK510A_LTP	1
Header 6P		H1	XH2.54M-6	Header 6P 2.54 Duc Thang	1
Header 5P		H2	XH2.54M-5	Header 5P 2.54 Duc Thang	1
Header 4P		H3	XH2.54M-4	Header 4P 2.54 Duc Thang	1
Header 3P		H4	XH2.54M-3	Header 3P 2.54 Duc Thang	1
TPA3116D2DAD	Integrated Circuit	IC1, IC2	SOP65P810X120-32N	TPA3116D2DAD	2
CON 2 KF301	Cắm	KF1	Con 2 KF301 5.08	CON 2 KF301	1
10uH	Inductor 10uH	L1, L2	CSD0910A 100M	CSD0910A-100M	2
10uH	Inductor 10uH CDRH6D38NP-100NC 7x7x4mm	L3	CDRH6D38NP-100NC	CDRH6D38NP-100NC	1
CON 2 EDG5.08	Cắm	P1, P2	CON 2 2EDG5.08	CON 2 EDG5.08	2
MMBT2907	transistor	Q1, Q2	MMBT2907	MMBT2907	2
22k	Dán	R1, R6, R14, R18	tro smd 0603	Tro 0603 1% 22k	4
4.7R	Resistor 0603 4.7R 5%, Dán	R2, R5, R12, R13, R15, R21, R41	TRO SMD 0603	R0603-4.7R-5%, Tro 0603 1% 56R	7
4.7k-1%	Dán	R3, R16, R29, R30	tro smd 0603	Tro 0603 5% 4.7k	4
100k	Dán	R4, R7, R11, R17, R19, R24, R25, R26, R42, R44, R48, R50	tro smd 0603	Tro 0603 5% 100k	12
0.003R	Resistor R1206 0.003R	R8, R20	Tro SMD 1206	R1206_0.003R	2
1k	Dán	R9, R22, R27, R28, R31, R47, R49	tro smd 0603	Tro 0603 1% 1k	7
20K	Resistor 0603 20k	R10, R23	RESC1608X55N	R0603_20k_5%	2
10k	Dán	R32, R33, R34, R35, R36, R46	tro smd 0603	Tro 0603 1% 10k, Tro 0603 5% 10k	6
1k-1%	Dán	R37, R38	tro smd 0603	Tro 0603 1% 1k	2
100k-1%	Dán	R39, R40	tro smd 0603	Tro 0603 5% 100k	2
430k	Resistor	R43	TRO SMD 0603	R0603_430k_1%	1
82k	Resistor	R45	TRO SMD 0603	R0603_82k_1%	1
NCS199A3SQT2G	NCS199A3SQT2G	U1, U3	NCS199A2SQT2G	NCS199A3SQT2G	2
PS2801-1		U2, U4, U5, U6	PS2801	PS2801-1	4
PIC16F18855	PIC16F18855	U7	PIC16F18855	PIC16F18855	1
75LBC184		U8	75LBC84	75LBC184	1
LM358		U9	LM358SMD	LM358	1
SGM61230	SGM61230	U10	SGM61230	SGM61230	1
Lm1117-5V	LM1117IMPX-5.0	U11	LM1117IMPX-5.0	Lm1117IMPX-5V	1