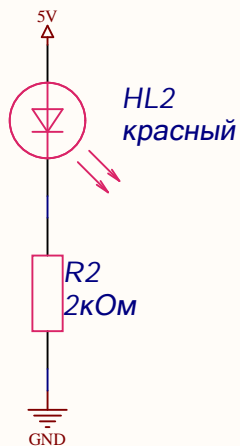
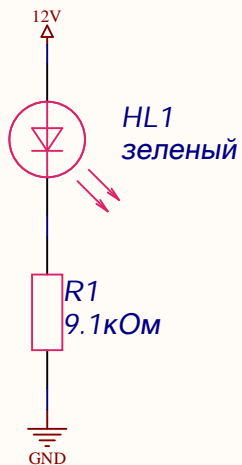
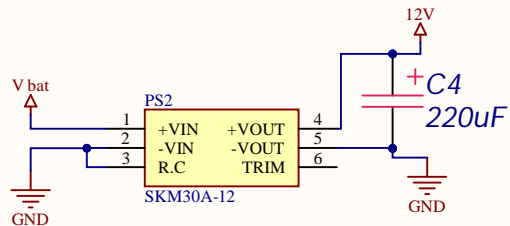
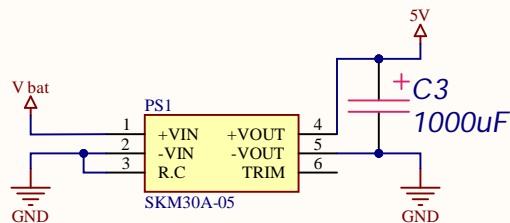
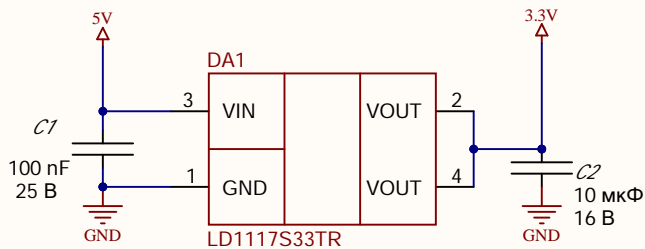
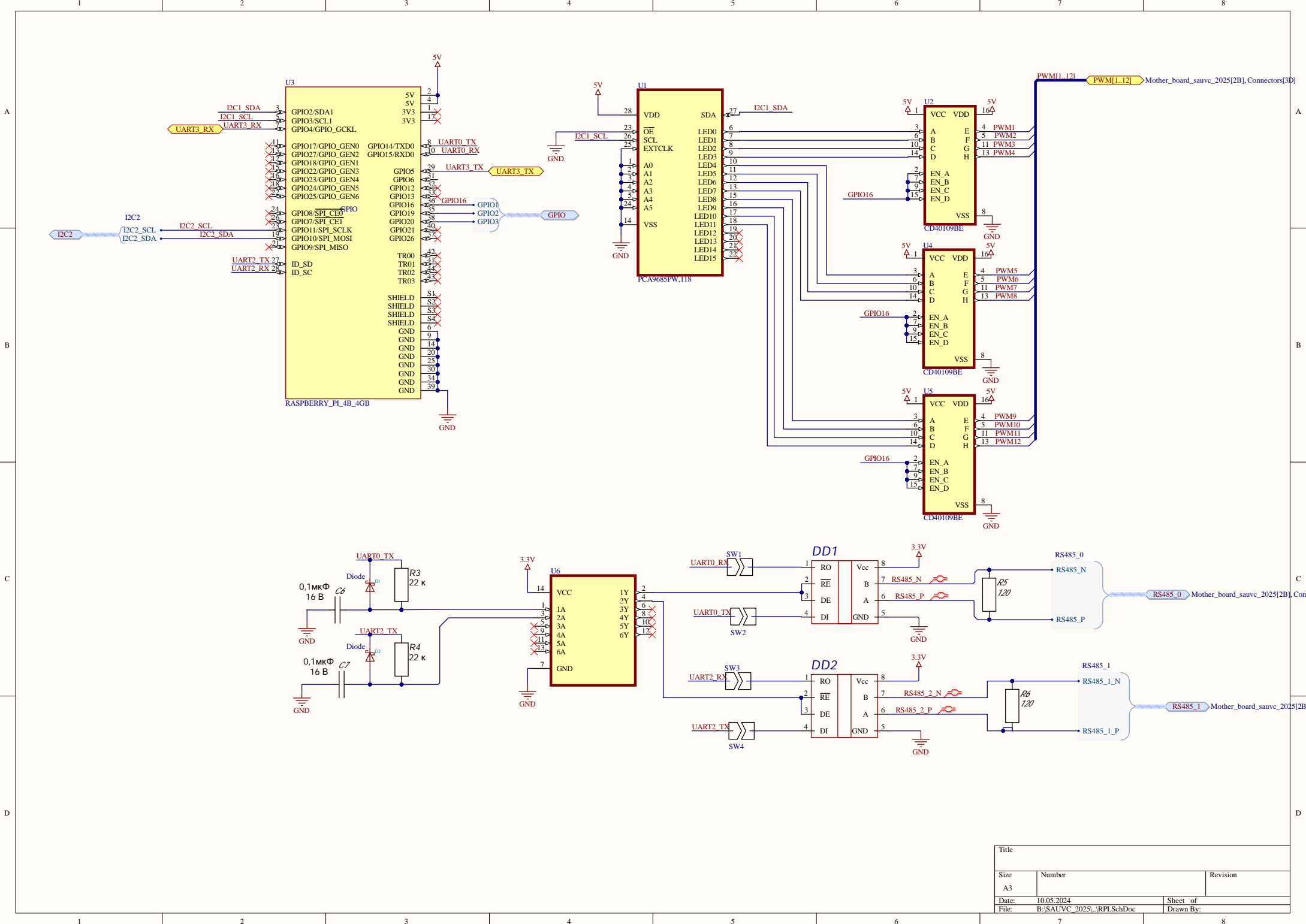


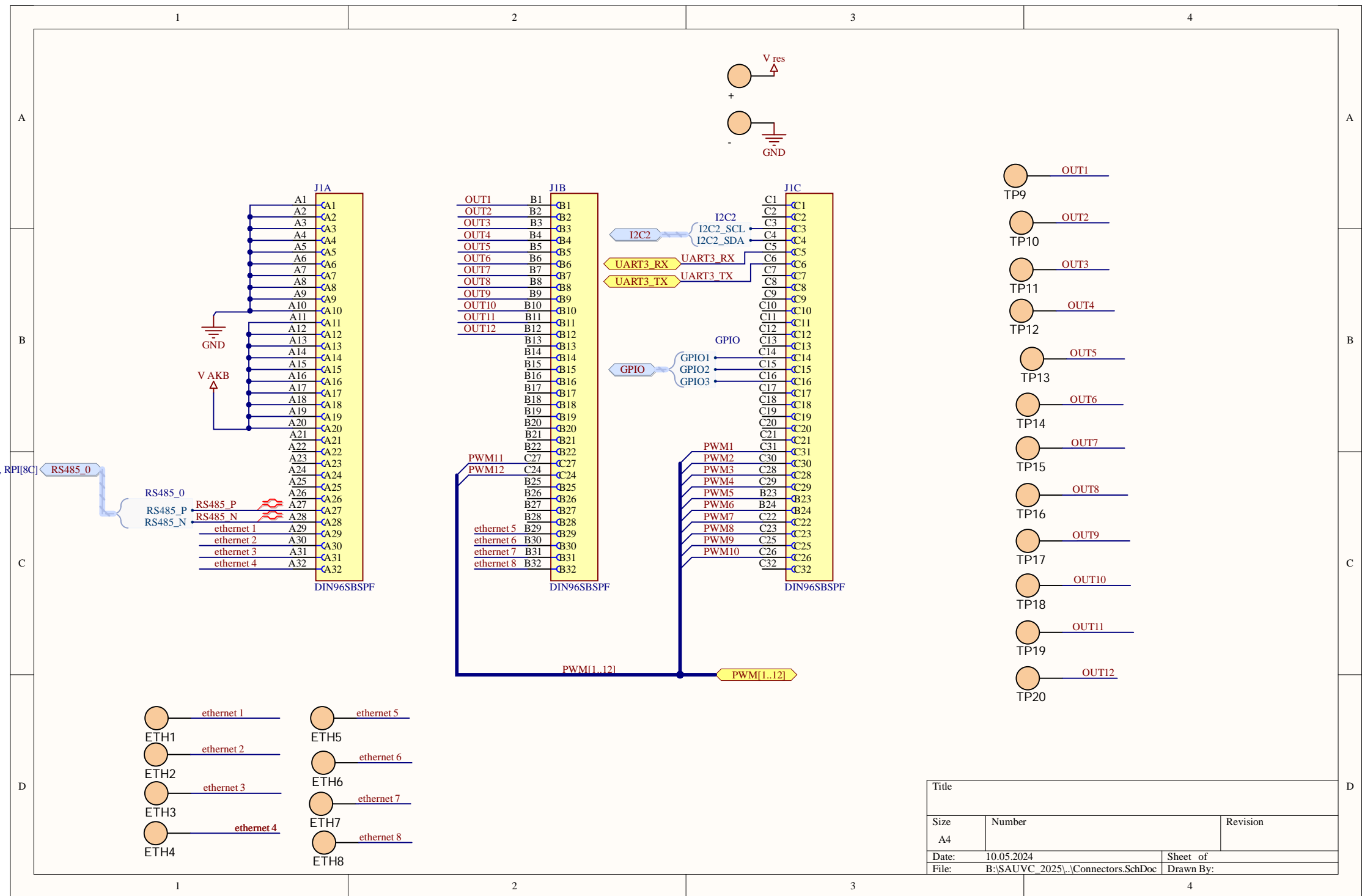
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A4		
Date:	10.05.2024	Sheet of
File:	B:\SAUVC_2025\...\Mother_board_sauvc_2025\SBP Doc	



Title		
Size A4	Number	Revision
Date:	10.05.2024	Sheet of
File:	B:\SAUVC_2025\...\Power.SchDoc	Drawn By:



Title		
Size	Number	Revision
A3		
Date:	10.05.2024	Sheet of
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Title		
Size	Number	Revision
A4		
Date:	10.05.2024	Sheet of
File:	B:\SAUVC_2025\...\Connectors.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
TP	Test point	-, +, ETH1, ETH2, ETH3, ETH4, ETH5, ETH6, ETH7, ETH8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20	TP	TP	22
100 nF	SMD 0603 : X7R; 0,01 мкФ; 25 В	C1	C0402C	CL05B103KA5NNNC	1
10 мкФ	SMD 0805; X7R; 10 мкФ; 16 В	C2	C0805C	CL21B106K00NNNE	1
1uF		C3, C4, C8, C9	Capacitor 8x12	Capacitor_pol	4
1uF		C5	Capacitor 10x12	Capacitor_pol	1
0,1мкФ	SMD 0603 : X7R; 1,5 нФ; 50 В	C6, C7	C0603C	CL10B152KB8NNNC	2
0,1 мкФ	SMD 0402 : X7R; 0,1 мкФ; 25 В	C10, C12, C13, C14, C15	C0402C	CL05B104KA5NNNC	5
10 нФ	SMD 0402 : X7R; 0,1 мкФ; 25 В	C11	C0402C	CL05B104KA5NNNC	1
Diode		D1, D2	SOD-123F	Schottky-Diode	2
LD1117S33TR	Linear regulator, 3V3	DA1	SOT-223	LD1117S33TR	1
Value	Half-duplex	DD1, DD2	SOIC8N	MAX3072E	2
Value		HL1, HL2	0805D	LED	2
DIN96SBSPF	DIN 41612 socket, fully populated, 96 contacts, straight PCB mounted, press-fit pins	J1	CINCH_DIN96SBSPF	DIN96SBSPF	1
SKM30A-05	Power Supply	PS1	SKM30A05	SKM30A-05	1
SKM30A-12	Power Supply	PS2	SKM30B12	SKM30A-12	1
Resistor		R1, R2	0805R	Resistor	2
22 к	SMD 0603; 0,1; 1%; 22 кОм	R3, R4	C0603R	RC0603FR-0722KL	2
120	SMD 0603; 0,1; 1%; 120 Ом	R5, R6	C0603R	RC0603FR-07120RL	2
10K	SMD 0603; 0,1; 1%; 59 кОм	R7, R8, R10, R11	C0603R	RC0603FR-0759KL	4
160K	SMD 0603; 0,1; 1%; 59 кОм	R9, R12, R13	C0603R	RC0603FR-0759KL	3
SW2		SW1, SW2, SW3, SW4	SW2	SW2	4
PCA9685PW,118	LED Driver IC 16 Output Linear - PWM Dimming 25mA 28-TSSOP	U1	SOP65P640X110-28N	PCA9685PW,118	1
CD40109BE	050µN, N<NEDµN...RS N0'0µNNE0%N<0' 0\$0æDžDŸ- DzNE0µD%D±NE0*D- 0%D*0*N,0µD»NCE 0%D,0-D0D%D*0%D% 0%D*0zNE0D¶0µD½ 0,N 0² 0²N<N0%D*0%Dµ (0%D%D%D,0%D*0» NE0%D%Dµ 0%D*0zNE0D¶0µD%D,0µ200') D,0µ200')	U2, U4, U5	DIP794W45P254L1969 H508Q16	CD40109BE	3
RASPERRY_PI_4B_4 GB	BCM2711 Raspberry PI 4 Model B 4GB - ARMÂ® CortexÂ®-A72 MPU Embedded Evaluation Board	U3	PLD40	RASPERRY_PI_4B_4 GB	1
	Inverter IC 6 Channel Schmitt Trigger 14-SOIC	U6	SOIC127P600X175-14N	74HC14D	1
LTC4418UF#TRPBF	OR Controller Source Selector Switch P-Channel 2:1 20-QFN_4x4_	U7	QFN50P400X400X80-21N	LTC4418UF#TRPBF	1
IRF7240PBF	P MOSFET	VT1, VT2, VT3, VT4	SOIC-8	IRF7240PBF	4