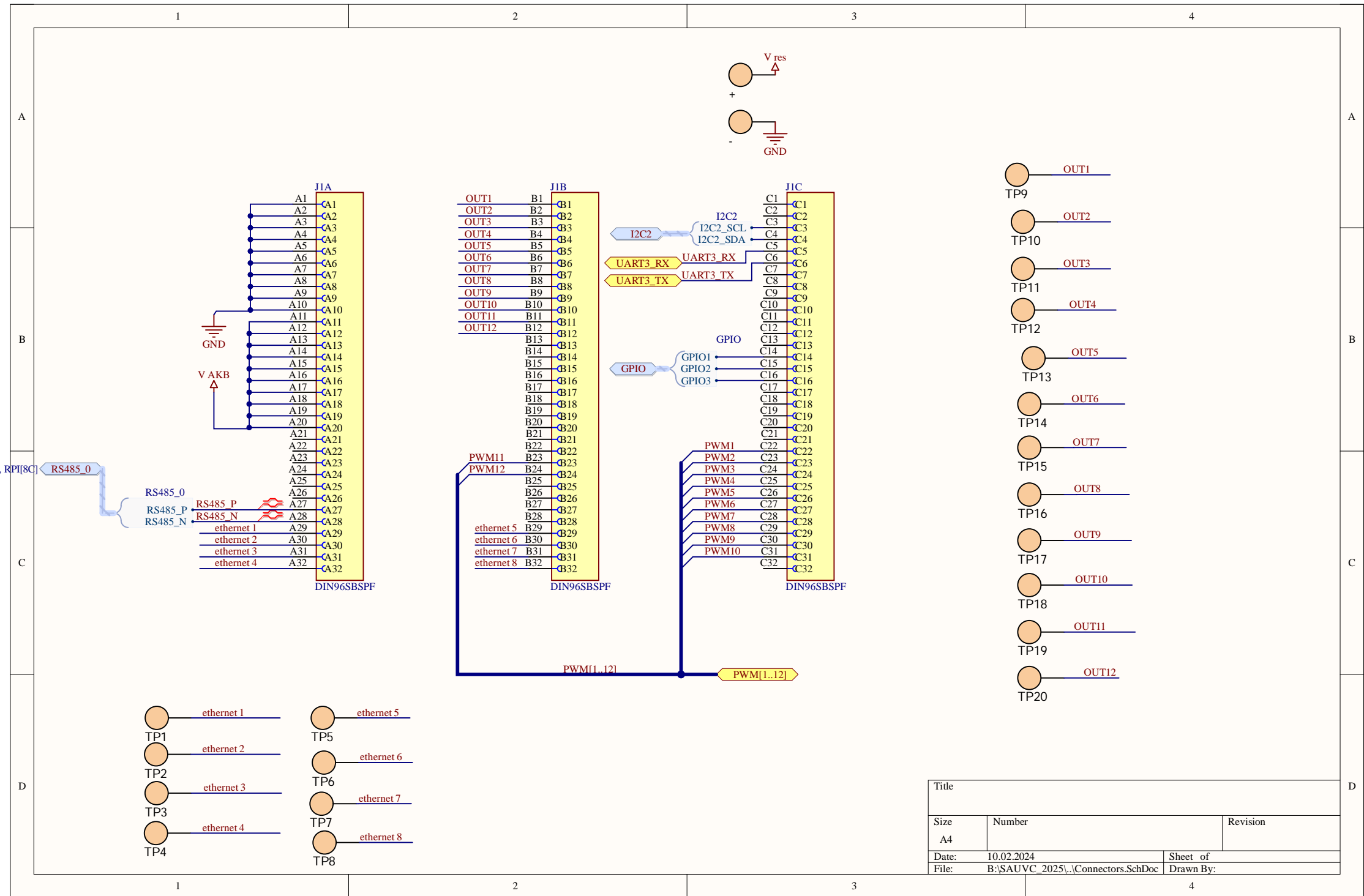
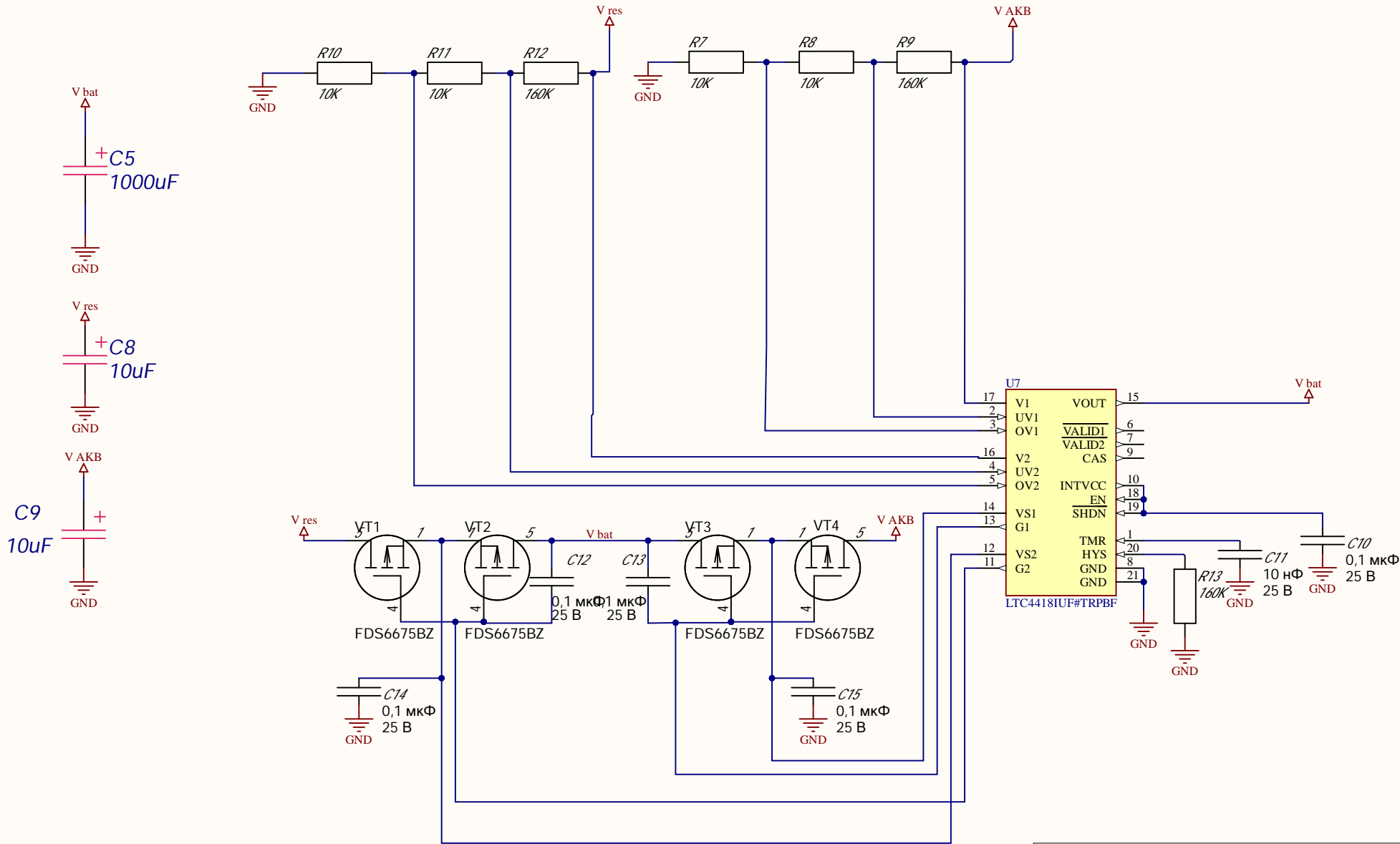


Title		
Size A4	Number	Revision
Date:	10.02.2024	Sheet of
File:	B:\SAUVC_2025\...\Power.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	10.02.2024	Sheet of
File:	B:\SAUVC_2025\...\Connectors.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	10.02.2024	Sheet of
File:	B:\SAUVC_2025\...\Power_switch.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
TP	Test point	-, +, TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, 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	CL21B106K0QNNNE	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	0\$0μN, N<NEDμN...N\$ N0'DμNED%N<0' 0\$Doe0ž0Ÿ- 0žNEDμ0%0±NED'D- 0%0²0²N,0μ0»NCE 0%0,0-0²0%0²0% 0%0²0žNEN0¶0μ0% 0, N 0² 0²N<N0%0²0%0μ (0%0%0%0,0%0²0» NCE0%0%0μ 0%0²0žNEN0¶0μ0% 0,0μ 20 0²)	U2, U4, U5	DIP794W45P254L1969 H508Q16	CD40109BE	3
RASPBERRY_PI_4B_4 GB	BCM2711 Raspberry Pi 4 Model B 4GB - ARMA® CortexA® - A72 MPU Embedded Evaluation Board	U3	PLD40	RASPBERRY_PI_4B_4 GB	1
	Inverter IC 6 Channel Schmitt Trigger 14-SOIC	U6	SOIC127P600X175-14N	74HC14D	1
LTC4418IU#TRPBF	OR Controller Source Selector Switch P-Channel 2:1 20-QFN 4x4	U7	QFN50P400X400X80-21N	LTC4418IU#TRPBF	1
IRF7240PBF	P MOSFET	VT1, VT2, VT3, VT4	SOIC-8	IRF7240PBF	4