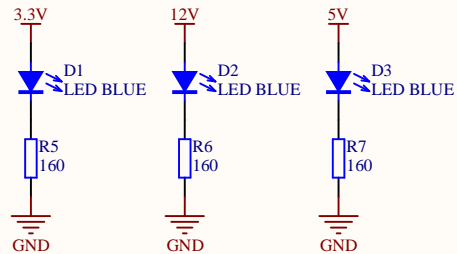
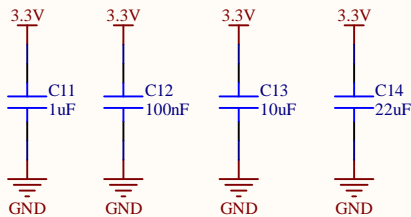
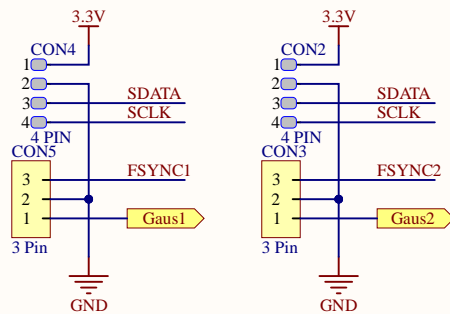
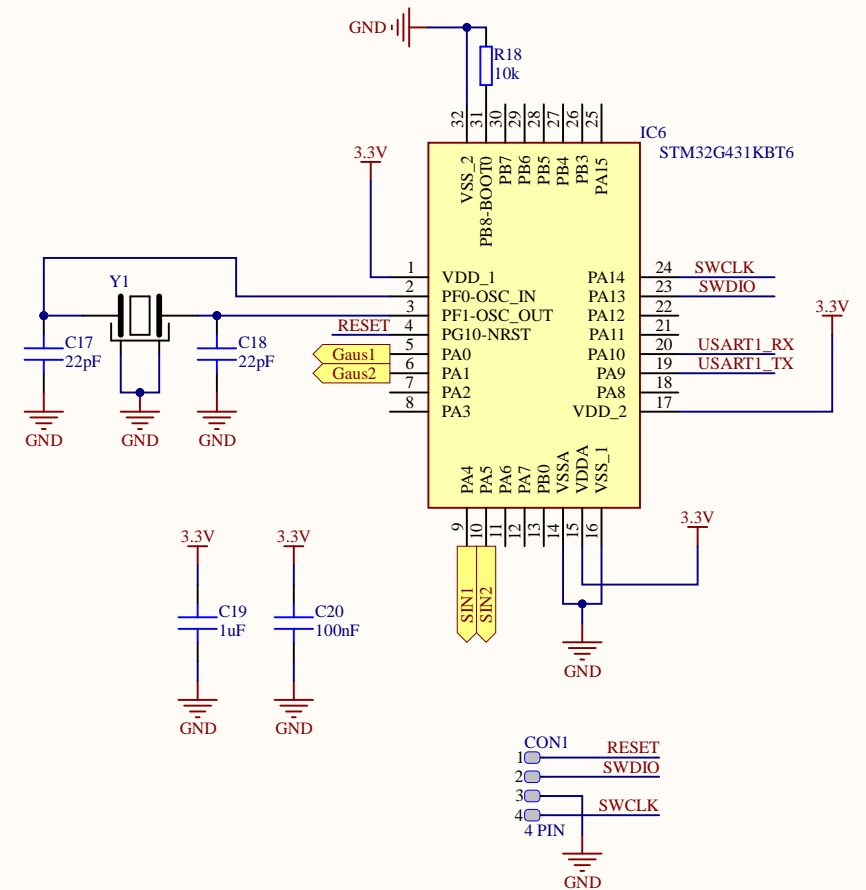
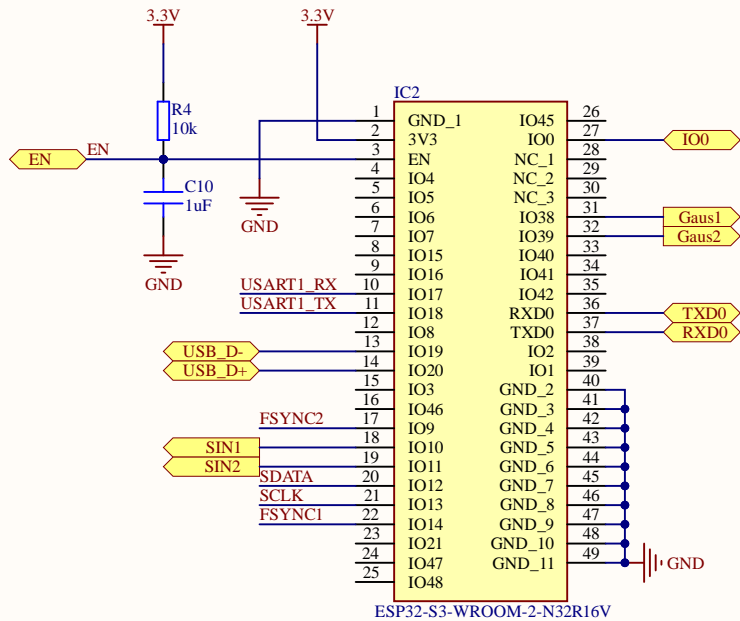
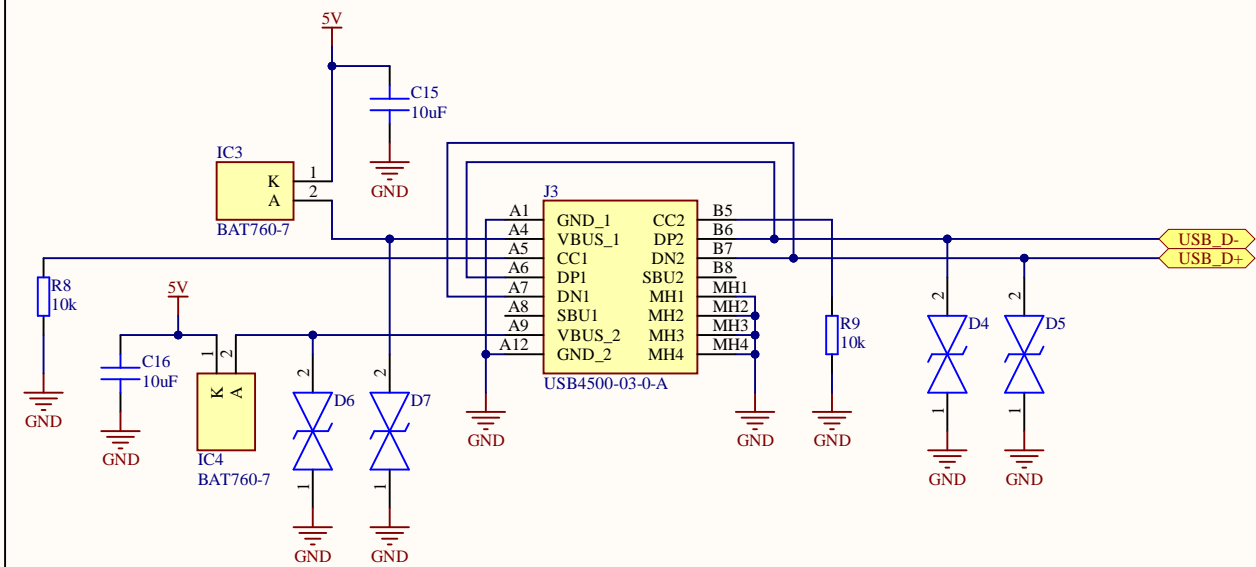


Title		
Size A4	Number	Revision
Date:	10.26.2025	Sheet of
File:	C:\ALTUM_PROJECTS\...\PowerSupply_SchDoc By:	

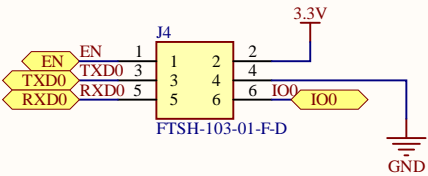


Title		
Size	Number	Revision
A4		
Date:	10.26.2025	Sheet of
File:	C:\ALTIUM_PROJECTS\...\MCU.SchDoc Drawn By:	

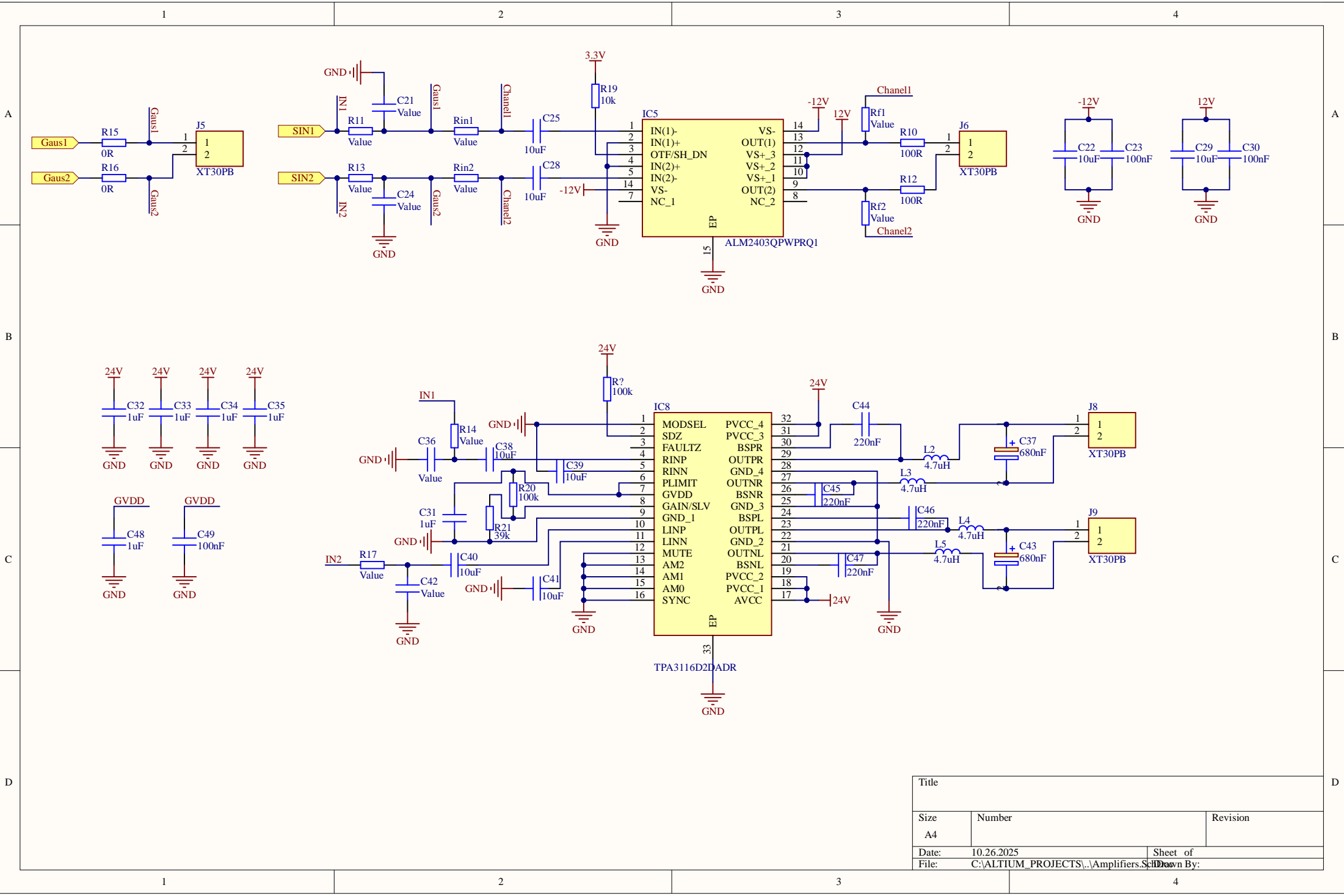
USBC connector



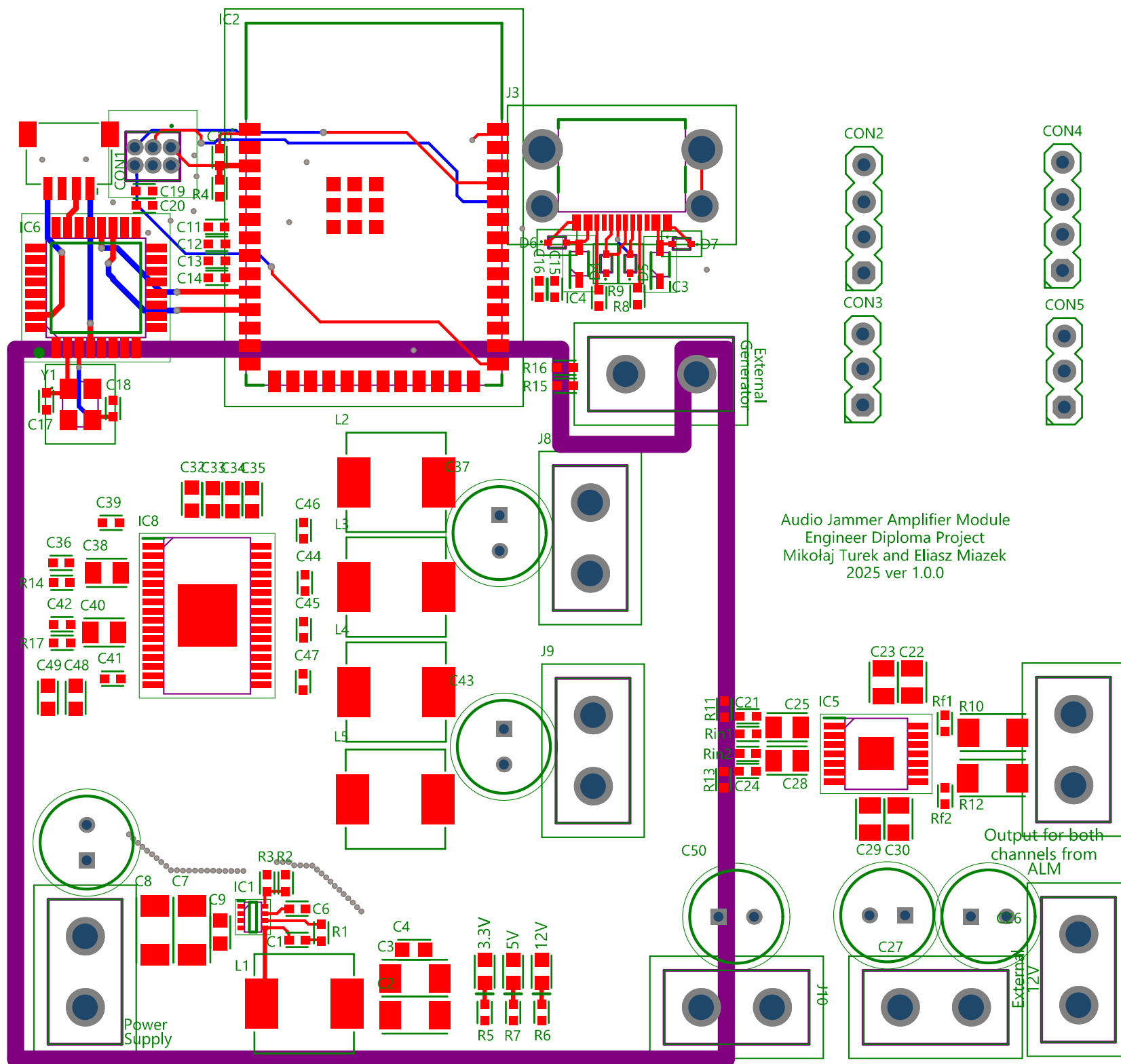
UART connector



Title		
Size A4	Number	Revision
Date:	10.26.2025	Sheet of
File:	C:\ALTUM_PROJECTS\...\Interface.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	10.26.2025	Sheet of
File:	C:\ALTIUM_PROJECTS\Amplifiers_SchDown By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	MLCC Capacitor	C1, C12, C20	C 0402	Capacitor	3
40uF	MLCC Capacitor	C2, C3	C 1206	Capacitor	2
100nF	MLCC Capacitor	C4, C9, C49	C 0603	Capacitor	3
UVY1V101MED1TD	Capacitor Polarised	C5, C26, C27, C50	CAPPRD250W50D655 H1250	UVY1V101MED1TD	4
33nF	MLCC Capacitor	C6	C 0402	Capacitor	1
10uF	MLCC Capacitor	C7, C8	C 1206	Capacitor	2
1uF	MLCC Capacitor	C10, C11, C19, C31	C 0402	Capacitor	4
10uF	MLCC Capacitor	C13, C15, C16, C39, C41	C 0402	Capacitor	5
22uF	MLCC Capacitor	C14	C 0402	Capacitor	1
22pF	MLCC Capacitor	C17, C18	C 0402	Capacitor	2
Value	MLCC Capacitor	C21, C24, C36, C42	C 0402	Capacitor	4
10uF	MLCC Capacitor	C22, C25, C28, C29, C38, C40	C 0805	Capacitor	6
100nF	MLCC Capacitor	C23, C30	C 0805	Capacitor	2
1uF	MLCC Capacitor	C32, C33, C34, C35, C48	C 0603	Capacitor	5
680nF	Capacitor Polarised	C37, C43	CAPPRD250W50D655 H1250	UVY1V101MED1TD	2
220nF	MLCC Capacitor	C44, C45, C46, C47	C 0402	Capacitor	4
4 PIN		CON1	SM04B-SRSS-TB	4 PIN	1
4 PIN		CON2, CON4	Goldpin 2.54 4P	4 PIN	2
3 Pin		CON3, CON5	Goldpin 2.54 3P	3 Pin	2
LED BLUE		D1, D2, D3	LED 0603 BLUE	LED BLUE	3
LESD5D5.0CT1G	TVS Diode (Bi-directional)	D4, D5, D6, D7	LESD5D50CT1G	LESD5D5.0CT1G	4
TPS62933DRLR	Integrated Circuit	IC1	SOTFL50P160X60-8N	TPS62933DRLR	1
ESP32-S3-WROOM-2-N32R16V	Integrated Circuit	IC2	ESP32S3WROOM2N3 2R16V	ESP32-S3-WROOM-2-N32R16V	1
BAT760-7	Integrated Circuit	IC3, IC4	SOD2513X120N	BAT760-7	2
ALM2403QPWPRQ1	Integrated Circuit	IC5	SOP65P640X120-15N	ALM2403QPWPRQ1	1
STM32G431KBT6	Integrated Circuit	IC6	QFP80P900X900X160- 32N	STM32G431KBT6	1
TPA3116D2DADR	Integrated Circuit	IC8	SOP65P810X120-33N	TPA3116D2DADR	1
XT30PB	Connector	J1, J2, J5, J6, J7, J8, J9, J10	XT30PB	XT30PB	8
USB4500-03-0-A	Connector	J3	USB4500030A	USB4500-03-0-A	1
FTSH-103-01-F-D	Connector	J4	FTSH-103-XX-YYY-D	FTSH-103-01-F-D	1
4.7uH	General pourpouse inductor	L1, L2, L3, L4, L5	HPI0630	Inductor	5
0	General pourpouse resistor	R1	R 0402	Resistor	1
31.3K	General pourpouse resistor	R2	R 0402	Resistor	1
10K	General pourpouse resistor	R3, R4, R8, R9, R18	R 0402	Resistor	5
160	General pourpouse resistor	R5, R6, R7	R 0402	Resistor	3
100R	General pourpouse resistor	R10, R12	R 1206	Resistor	2
Value	General pourpouse resistor	R11, R13, R14, R17, Rf1, Rf2, Rin1, Rin2	R 0402	Resistor	8
0R	General pourpouse resistor	R15, R16	R 0402	Resistor	2
10k	General pourpouse resistor	R19	R 1206	Resistor	1
100k	General pourpouse resistor	R20, R?	R 0402	Resistor	2
39k	General pourpouse resistor	R21	R 0402	Resistor	1
MCSJK-7U-16.00-12-30-80-B-30	Crystal or Oscillator	Y1	MCSJK7U1600123080 B30	MCSJK-7U-16.00-12-30-80-B-30	1