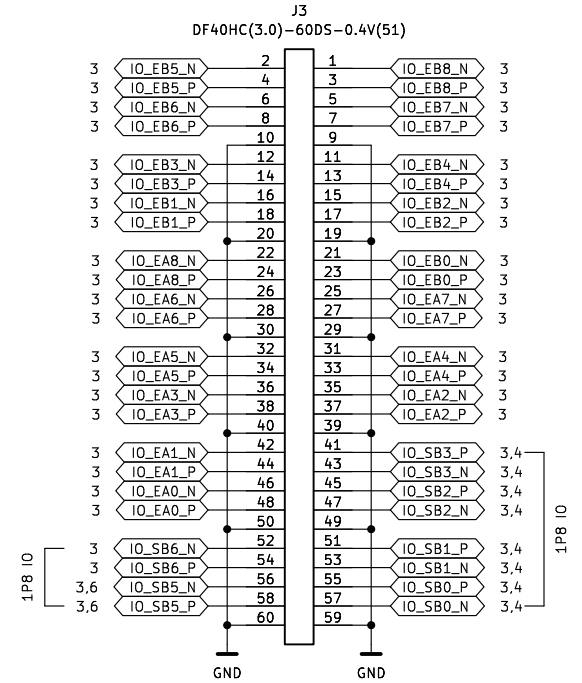
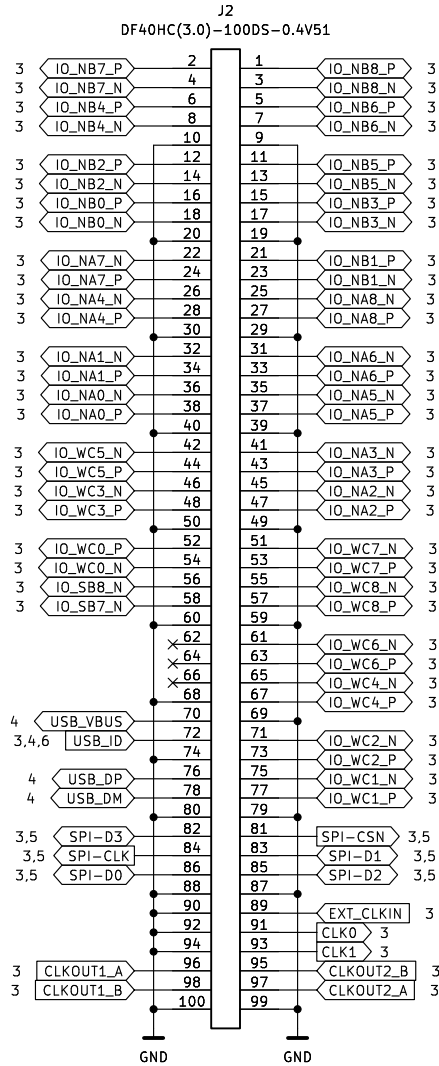
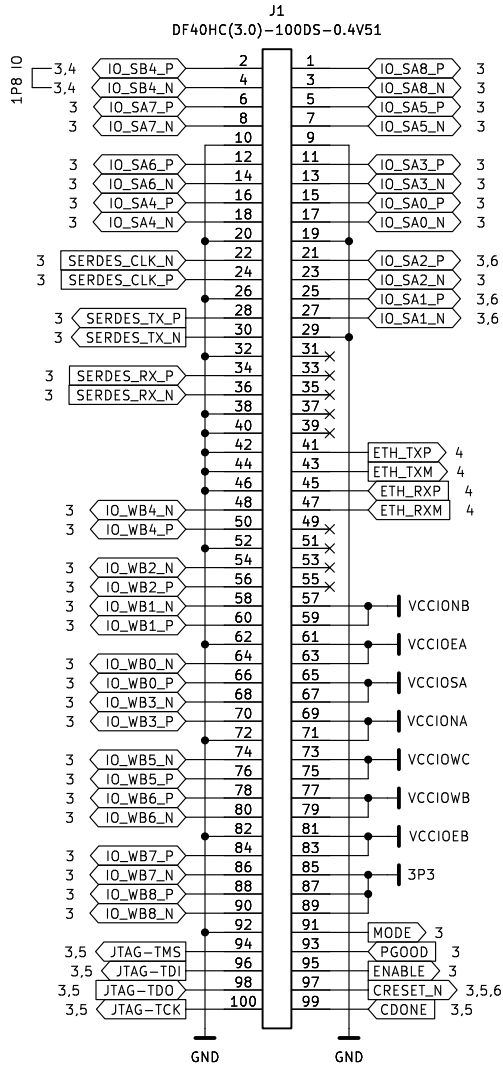
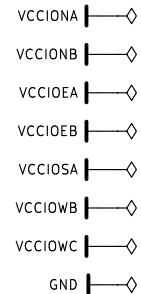
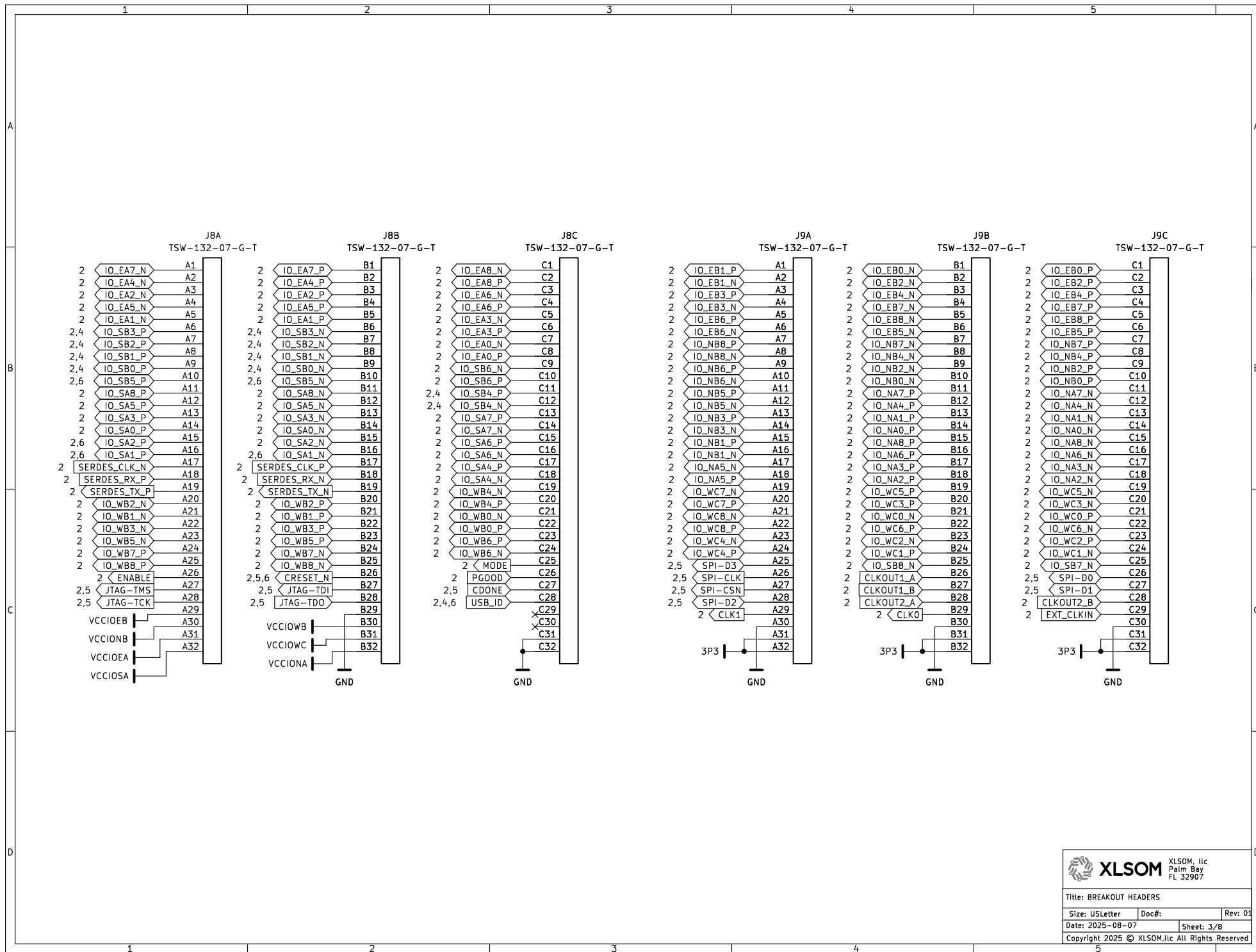


FPGA MODULE RECEPTACLE

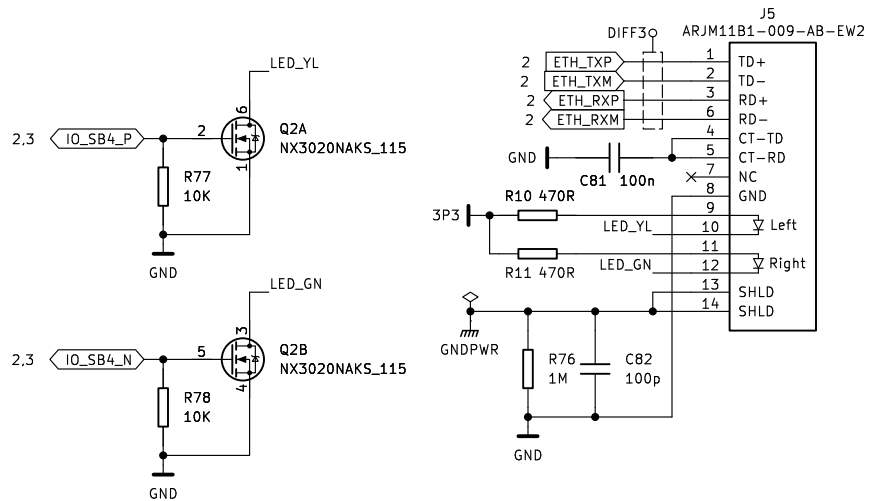


POWER FLAGS

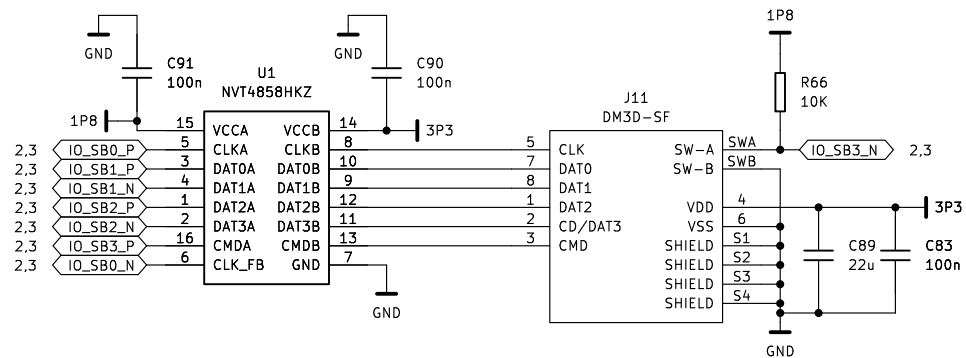




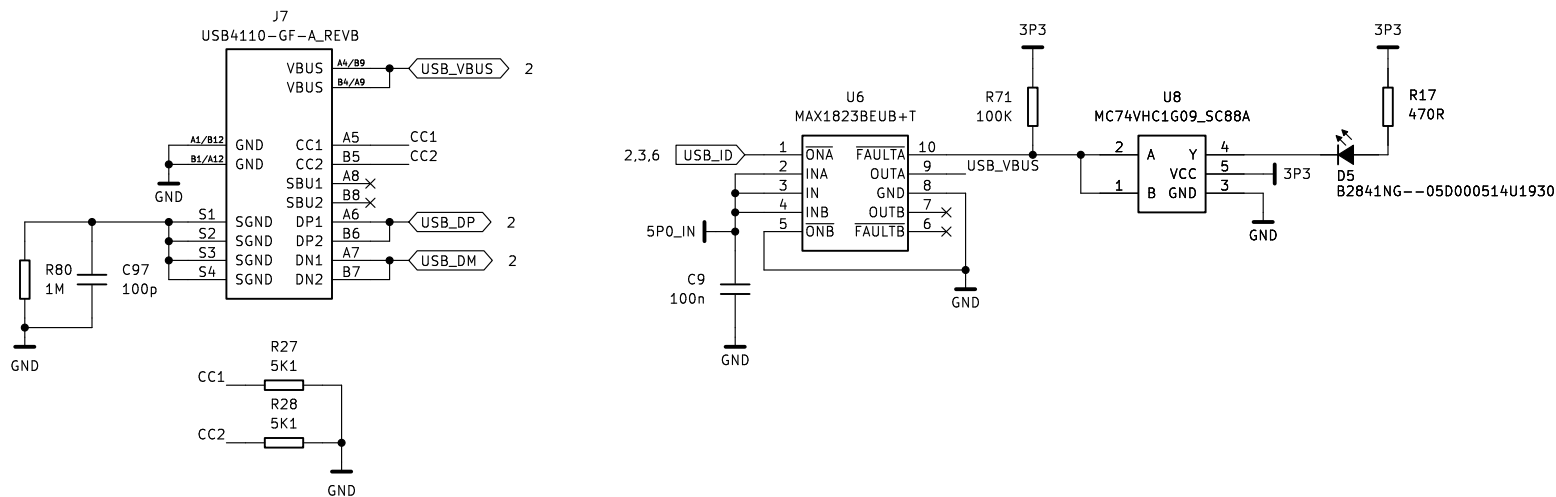
ETHERNET

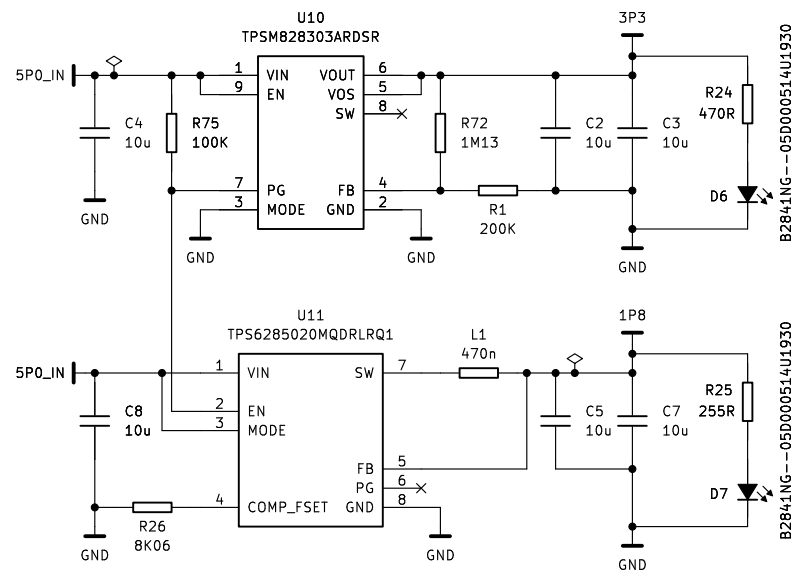
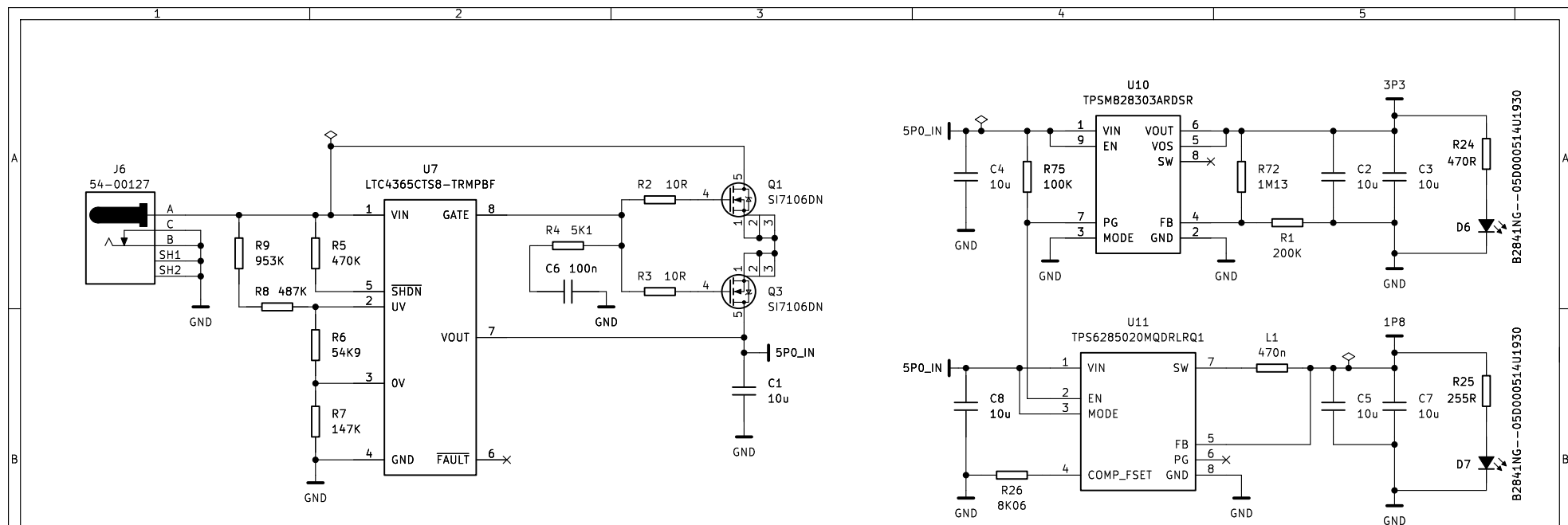


SD CARD

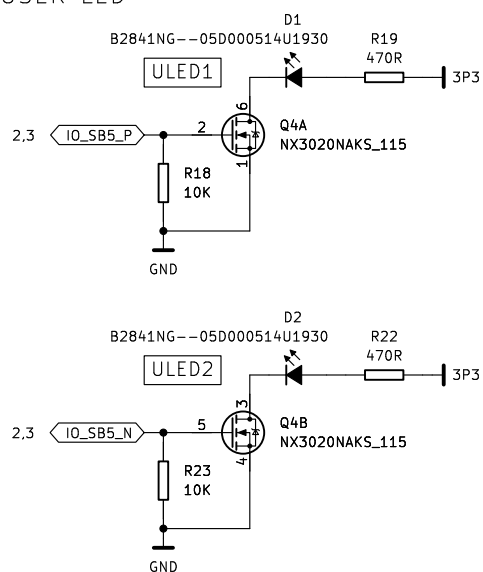


USB

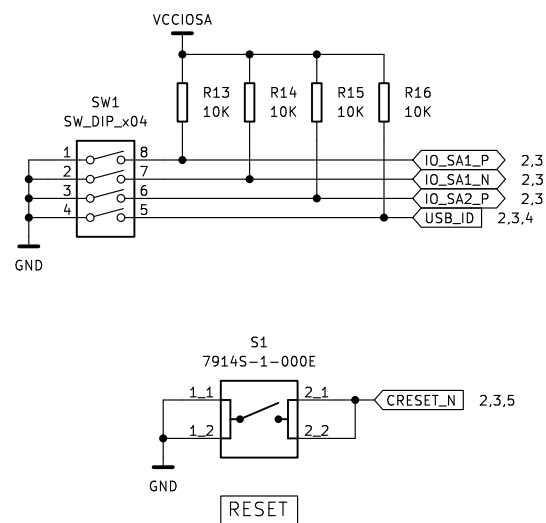




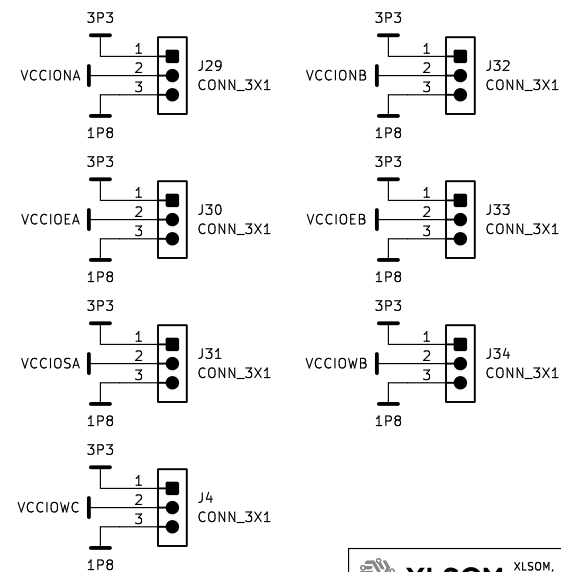
USER LED



SWITCHES



BANK VOLTAGE SELECT



XLSOM XLSOM, llc
Palm Bay
FL 32907

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XLSOM Doc Title: XLC2201- 01 FPGA Module Doc Type: BOM PN: C2201-01 Revision: A Date: 25/08/07 Doc#: BC2201-01-A-E									
Item	Qty	Reference	Value	Description	Footprint	Mfr	PN		
1	7	C1,C2,C3,C4,C5,C7,C8	10u	CAP CER 10UF 10V X5R 0402	modules:C_0402_1005Metric	Murata	GRM155R61A106ME11D		
2	16	C6,C9,C68,C69,C70,C71,C72,C73,C75,C77,C79,C80,C81,C83,C90,C91	100n	CAP CER 0.1UF 16V X7R 0402	modules:C_0402_1005Metric	Walsin Technology Corp.	0402B104K160CT		
3	1	C74	4u7	CAP CER 4.7UF 6.3V X5R 0402	modules:C_0402_1005Metric	Murata	GRM155R60J475ME87D		
4	2	C76,C78	1u	CAP CER 1UF 6.3V X5R 0402	modules:C_0402_1005Metric	KEMET	C0402C105K9PACTU		
5	2	C82,C97	100p	CAP CER 100PF 1KV COG/NP0 0805	modules:C_0402_1005Metric	Holy Stone Enterprise	C0805N10J1102T		
6	1	C89	22u	CAP CER 22UF 6.3V X5R 0402	modules:C_0402_1005Metric	Murata	GRM158R60J226ME01D		
7	5	D1,D2,D5,D6,D7	B2841NG--05D000514U1930	LED GREEN CLEAR SMD	modules:LED_0402_1005Metric	Harvatek	B2841NG--05D000514U1930		
8	3	FB1,FB2,FB3	220R @100M	FERRITE BEAD 220 OHM 0402 1LN	modules:L_0402_1005Metric	TDK	MPZ100S5221HT000		
9	2	J1,J2	DF40HC(3.0)-100DS-0.4V51	CONN RCPT 100POS SMD GOLD	modules:HIROSE_DF40C(3.0)-100DS-0.4V51	Hirose	DF40HC(3.0)-100DS-0.4V(51)		
10	1	J3	DF40HC(3.0)-60DS-0.4V(51)	CONN RCPT 60POS SMD GOLD	modules:HIROSE_DF40C(3.0)-60DS-0.4V51	Hirose	DF40HC(3.0)-60DS-0.4V(51)		
11	7	J4,J29,J30,J31,J32,J33,J34	CONN_3X1	CONN HEADER VERT 3POS 2MM	modules:SAMTEC_TMM-103-03-X-S	Samtec	TMM-103-03-L-S		
12	1	J5	ARJM11B1-009-AB-EW2	CONN JACK 1PORT PCB	modules:ABRACON_ARJM11B1-009-AB-EW2_ABR	Abracon	ARJM11B1-009-AB-EW2		
13	1	J6	54-00127	CONN JACK R/A PCB 5.5X2.1MM	modules:TENSILITY_54-00127	Tensility International Corp	54-00127		
14	2	J7,J10	USB4110-GF-A_REV8	USB CONNECTOR	modules:GCT_USB4110-GF-A_REV8	GCT	USB4110-GF-A		
15	2	J8,J9	TSW-132-07-G-T	CONN HEADER VERT 96POS 2.54MM	modules:SAMTEC_TSW-132-07-G-T	Samtec	TSW-132-07-G-T		
16	1	J11	DM3D-SF	CONN MICRO SD CARD R/A SMD	modules:HRS_DM3D-SF	Hirose	DM3D-SF		
17	1	L1	470n	FIXED IND 470NH 4A 0.027OHM SMD	modules:MURATA_IND02520X120N	Murata	DPE252012PD-R47M=P2		
18	2	Q1,Q3	SI7106DN	MOSFET N-CH 20V 12.5A PPAK1212-8	modules:PPAK1212-8	Vishay Siliconix	SI7106DN-T1-E3		
19	2	Q2,Q4	NX3020NAKS_115	MOSFET 2N-CH 30V 0.18A 6TSSOP	modules:NX3020_SC-88_SOT363	Nexperia	NX3020NAKS.115		
20	1	R1	200K	RES 20K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT20K0		
21	2	R2,R3	10R	RES 20K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT20K0		
22	5	R4,R20,R21,R27,R28	5K1	RES 22 OHM 1% 1/16W 0402,RES 5.1K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT22R0,RMCF0402FT5K10		
23	1	R5	470K	RES 20K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT20K0		
24	1	R6	54K9	RES 20K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT20K0		
25	1	R7	147K	RES 20K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT20K0		
26	1	R8	487K	RES 22 OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT22R0		
27	1	R9	953K	RES 20K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT20K0		
28	6	R10,R11,R17,R19,R22,R24	470R	RES SMD 470 OHM 0.1% 1/10W 0402	modules:R_0402_1005Metric	Stackpole	RNCF0402BTE470R		
29	13	R13,R14,R15,R16,R18,R23,R47,R61,R62,R65,R66,R77,R78	10K	RES 12K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT12K0		
30	1	R25	255R	RES SMD 255 OHM 1% 1/10W 0402	modules:R_0402_1005Metric	Panasonic	ERJ-2RKF2550X		
31	1	R26	8K06	RES 8.06K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT8K06		
32	1	R48	2K2	RES 2.2K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT2K20		
33	3	R50,R63,R64	12K	RES 12K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT12K0		
34	1	R51	1K	RES 1K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT1K00		
35	1	R60	22R	RES 22 OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT22R0		
36	2	R71,R75	100K	RES 20K OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT20K0		
37	1	R72	1M13	RES 1.13M OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT1M13		
38	2	R76,R80	1M	RES 1M OHM 1% 1/16W 0402	modules:R_0402_1005Metric	Stackpole	RMCF0402FT1M00		
39	1	S1	7914S-1-000E	SWITCH TACTILE SPST-NO 0.1A 18V	modules:BOURNS_SW_7914S-1-000E	Bourns	7914S-1-000E		
40	1	SW1	SW_DIP_x04	SWITCH SLIDE DIP SPST 0.025A 24V	modules:CTS_218-4LPST	CTS	218-4LPST		
41	1	U1	NVT485BHKZ	IC TRANSLTR BIDIRECTIONAL 16XQFN	modules:NXP_NVT485B	NXP USA	NVT485BHKZ		
42	1	U2	FT232ZH-56Q	IC DUAL USB TO UART/FIFO 56VQFN	modules:FTDI_QFN_H-56Q-TRAY	FTDI	FT232ZH-56Q-TRAY		
43	1	U3	M93C46-WMN6TP	IC EPROM 1KBIT 3-WIRE 8SOIC	modules:M93C46_SO-8_STM	STMicroelectronics	M93C46-WMN6TP		
44	1	U4	PCMF1USB3S	TRANSIENT PROTECTION	modules:PCMF1USB3S_CZ	Nexperia	PCMF1USB3S/CZ		
45	1	U5	SIT8008BI-73 12.0MHz	MEMS OSC XO 12.0000MHz H/LV-CMOS	modules:SIT-4-PQFN_2p0x1p6	SiTime	SIT8008BI-73-XXS-12.000000		
46	1	U6	MAX1823BEUB+T	IC SW USB DUAL W/FB 10-UMAX	modules:MAX1823BEUB	Microchip	MAX1823BEUB+T		
47	1	U7	LTC4365CTS8-TRMPBF	IC OVERVOLTAGE PROT TSOT23-8	modules:LTC4365_TSOT-23_TS8_LIT	Analog Devices	LTC4365CTS8#TRMPBF		
48	1	U8	MC74VHC1G09_SC88A	IC GATE AND 1CH 2-INP SC88A	modules:SC70_SC88A	ONSEMI	MC74VHC1G09DFT2G		
49	1	U10	TPSM828303ARDSR	2.25-V TO 5.5-V, 3-A, LOW-NOISE	modules:TPSM828303A_RDS0009A-MFG	Texas Instruments	TPSM828303ARDSR		
50	1	U11	TPS6285020MQDRLRQ1	IC REG BUCK 1.8V 2A SOT583	modules:TI_DRL0008A-MFG	Texas Instruments	TPS6285020MQDRLRQ1		
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REVISION HISTORY

DRAWN	REV	SHEET	ZONE	DESCRIPTION	DATE
CRC	A	ALL	ALL	PRE-RELEASE	02/19/24
CRC	A	4,5,6	ALL	MODIFY USB, POWER, UPDATED TITLEBLOCK/REV BLOCK	08/07/24

A

B

C

D

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2. The requirements of EC 1907/2006 and not contain any of the Substances of Very High Concern (SVHC) listed under the latest REACH requirements. (Amendments EU 2017/999, EU 2017/1510, EU 2018/35).

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