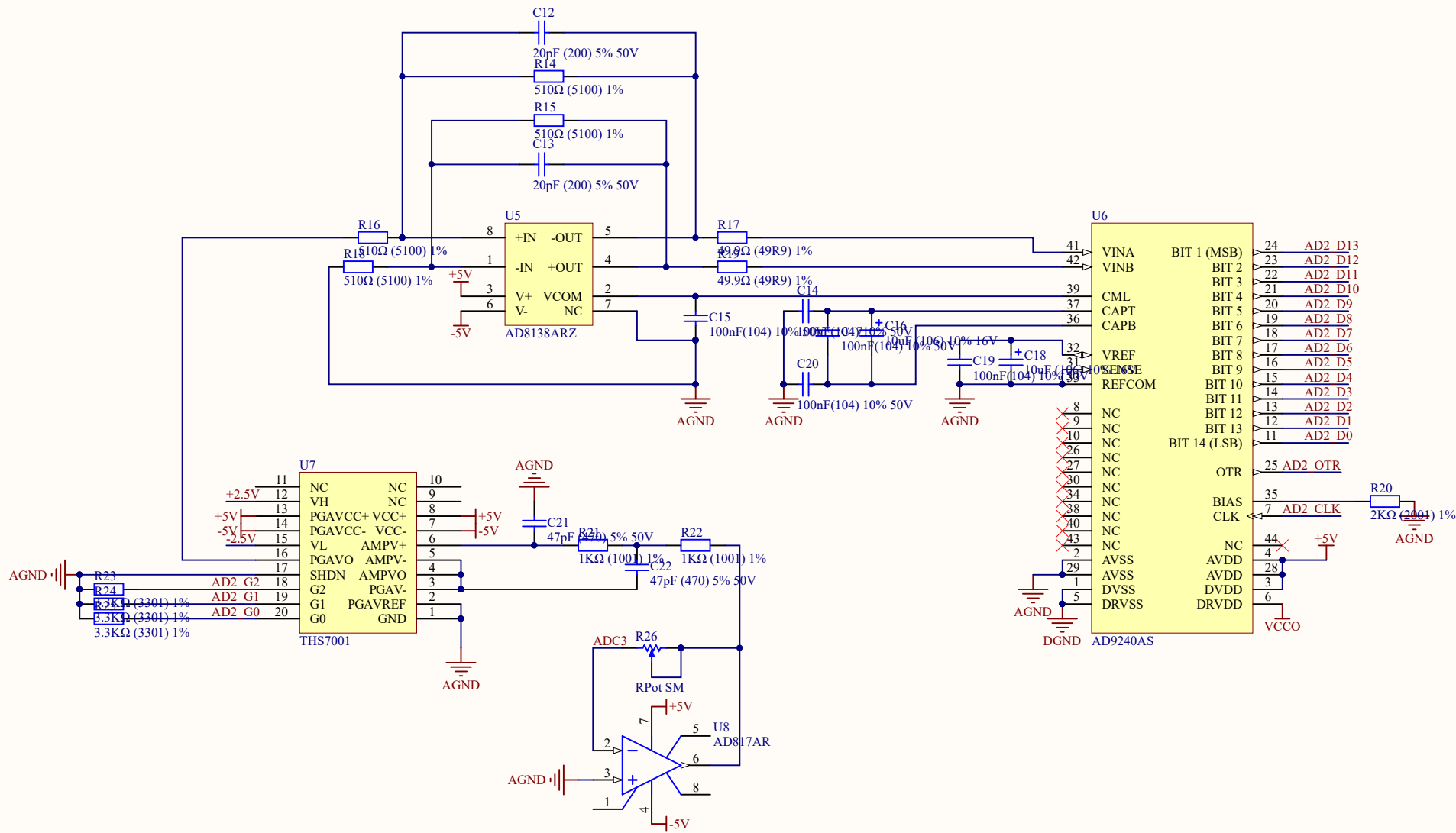
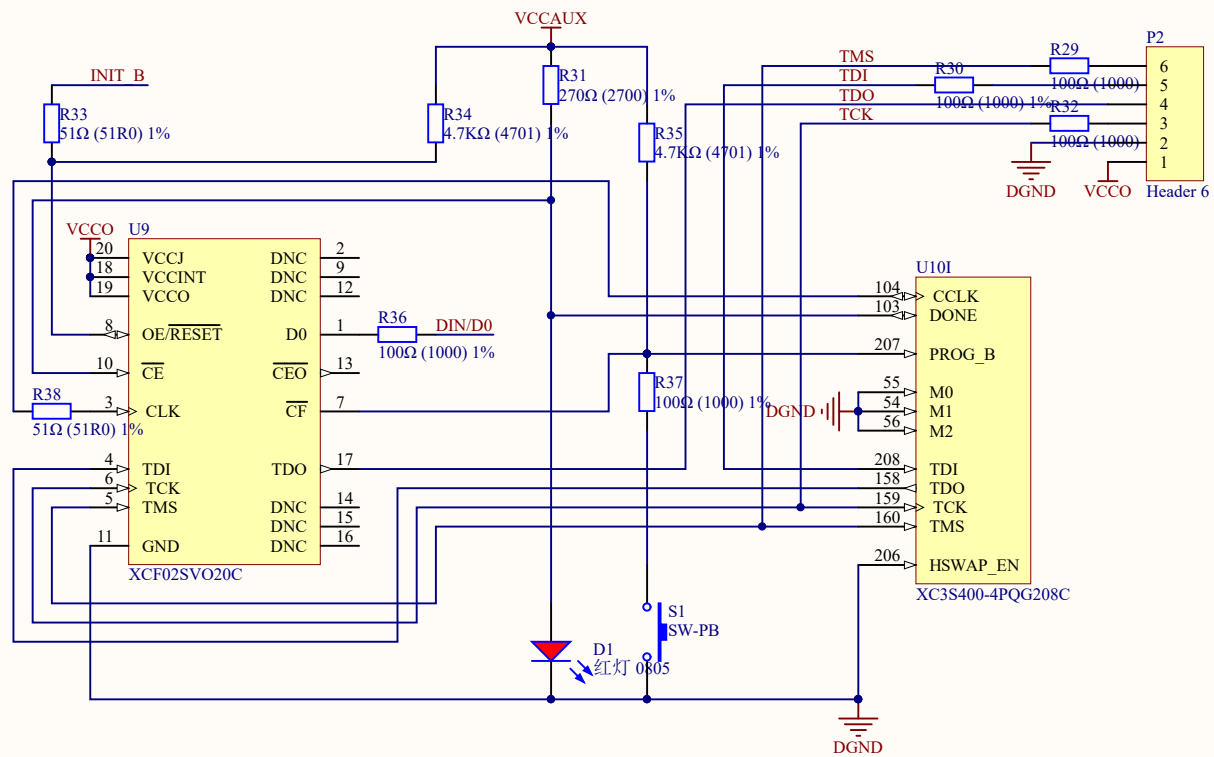


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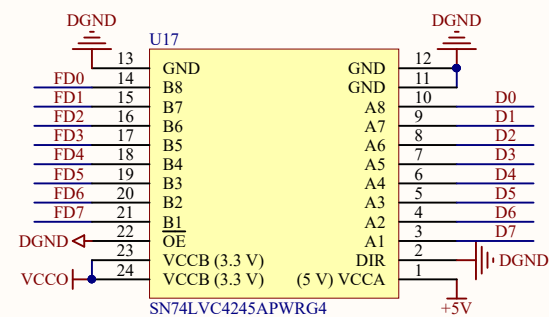
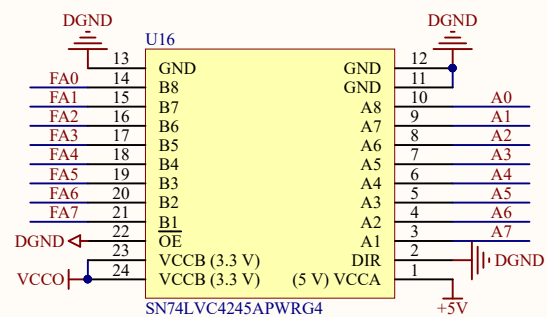
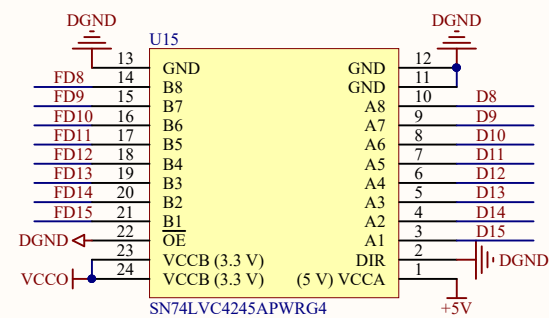
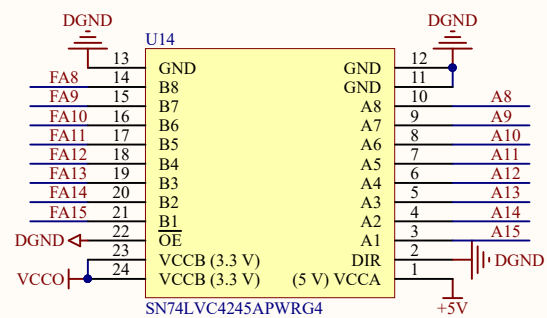


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U10A

BANK 0	IO/VREF_0	205	DA CLK
	IO_L01N_0/VRP_0	204	DA D13
	IO_L01P_0/VRN_0	203	DA D12
	IO/VREF_0	200	DA D11
	IO_L25N_0	199	DA D10
	IO_L25P_0	198	DA D9
	IO	197	DA D8
	IO_L27N_0	196	DA D7
	IO_L27P_0	194	DA D6
	IO_L30N_0	191	DA D5
	IO_L30P_0	190	DA D4
	IO	189	DA D3
	IO_L31N_0	187	DA D2
	IO_L31P_0/VREF_0	185	DA D1
	IO_L32N_0/GCLK7	184	DA D0
	IO_L32P_0/GCLK6	183	

XC3S400-4PQG208C

U10B

BANK 1	IO	182	
	IO_L32N_1/GCLK5	181	
	IO_L32P_1/GCLK4	180	GCLK
	IO_L31N_1/VREF_1	178	
	IO_L31P_1	176	
	IO	175	
	IO_L28N_1	172	
	IO_L28P_1	171	
	IO_L27N_1	169	
	IO_L27P_1	168	
	IO	167	
	IO_L10N_1/VREF_1	166	
	IO_L10P_1	165	
	IO_L01N_1/VRP_1	162	KEY
	IO_L01P_1/VRN_1	161	SYS_RST

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U10C

BANK 2	IO_L01N_2/VRP_2	156	UD3
	IO_L01P_2/VRN_2	155	UD2
	IO/VREF_2	154	UD1
	IO_L19N_2	152	UD0
	IO_L19P_2	150	IFCLK
	IO_L20N_2	149	UD4
	IO_L20P_2	148	UD5
	IO_L21N_2	147	UD6
	IO_L21P_2	146	UD7
	IO_L22N_2	144	CTL0
	IO_L22P_2	143	CTL1
	IO_L23N_2/VREF_2	141	CTL2
	IO_L23P_2	140	PA0
	IO_L24N_2	139	PA1
	IO_L24P_2	138	PA2
	IO_L24N_2	137	PA3
	IO_L39N_2	135	PA4
	IO_L39P_2	133	PA5
	IO_L40N_2	132	PA6
	IO_L40P_2/VREF_2		

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U10D

BANK 3	IO_L40N_3/VREF_3	131	PA7
	IO_L40P_3	130	UD8
	IO_L39N_3	128	UD9
	IO_L39P_3	126	UD10
	IO_L24N_3	125	UD11
	IO_L24P_3	124	UD12
	IO_L23N_3	123	UD15
	IO_L23P_3/VREF_3	122	UD14
	IO_L22N_3	120	UD13
	IO_L22P_3	119	RDY0
	IO_L21N_3	117	RDY1
	IO_L21P_3	116	LED
	IO_L20N_3	115	RX2
	IO_L20P_3	114	TX2
	IO_L19N_3	113	TX1
	IO_L19P_3	111	RX1
	IO_L17N_3	109	
	IO_L17P_3/VREF_3	108	FD0
	IO_L01N_3/VRP_3	107	FD1
	IO_L01P_3/VRN_3	106	FD2

XC3S400-4PQG208C

U10E

BANK 4	IO/VREF_4	102	FD3
	IO_L01N_4/VRP_4	101	FD4
	IO_L01P_4/VRN_4	100	FD5
	IO	97	FD6
	IO/VREF_4	96	FD7
	IO_L25N_4	95	FD8
	IO_L25P_4	94	FD9
	IO	93	FD10
	IO_L27N_4/DIN/D0	92	DIN/D0
	IO_L27P_4/D1	90	FD11
	IO_L30N_4/D2	87	FD12
	IO_L30P_4/D3	86	FD13
	IO/VREF_4	85	FD14
	IO_L31N_4/INIT_B	83	INIT_B
	IO_L31P_4/DOU/BUSY	81	FD15
	IO_L32N_4/GCLK1	80	
	IO_L32P_4/GCLK0	79	FA0

XC3S400-4PQG208C

U10F

BANK 5	IO/VREF_5	78	FA1
	IO_L32N_5/GCLK3	77	FA2
	IO_L32P_5/GCLK2	76	FA3
	IO_L31N_5/D4	74	FA4
	IO_L31P_5/D5	72	FA5
	IO	71	FA6
	IO_L28N_5/D6	68	FA7
	IO_L28P_5/D7	67	FA8
	IO_L27N_5/VREF_5	65	FA9
	IO_L27P_5	64	FA10
	IO	63	FA11
	IO_L10N_5/VRP_5	62	FA12
	IO_L10P_5/VRN_5	61	FA13
	IO_L01N_5/RDWR_B	58	FA14
	IO_L01P_5/CS_B	57	FA15

XC3S400-4PQG208C

U10G

BANK 6	IO_L01N_6/VRP_6	52	AD1 CLK
	IO_L01P_6/VRN_6	51	AD1 D0
	IO/VREF_6	50	AD1 D1
	IO_L19N_6	48	AD1 D2
	IO_L19P_6	46	AD1 D3
	IO_L20N_6	45	AD1 D4
	IO_L20P_6	44	AD1 D5
	IO_L21N_6	43	AD1 D6
	IO_L21P_6	42	AD1 D7
	IO_L22N_6	40	AD1 D8
	IO_L22P_6	39	AD1 D9
	IO_L23N_6	37	AD1 D10
	IO_L23P_6	36	AD1 D11
	IO_L24N_6/VREF_6	35	AD1 D12
	IO_L24P_6	34	AD1 D13
	IO_L39N_6	33	AD1 D14
	IO_L39P_6	31	AD1 G2
	IO_L40N_6	29	AD1 G1
	IO_L40P_6/VREF_6	28	AD1 G0

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U10H

BANK 7	IO_L40N_7/VREF_7	27	
	IO_L40P_7	26	AD2 G2
	IO_L39N_7	24	AD2 G1
	IO_L39P_7	22	AD2 G0
	IO_L24N_7	21	AD2 CLK
	IO_L24P_7	20	AD2 D0
	IO_L23N_7	19	AD2 D1
	IO_L23P_7	18	AD2 D2
	IO_L22N_7	16	AD2 D3
	IO_L22P_7	15	AD2 D4
	IO_L21N_7	13	AD2 D5
	IO_L21P_7	12	AD2 D6
	IO_L20N_7	11	AD2 D7
	IO_L20P_7	10	AD2 D8
	IO_L19N_7/VREF_7	9	AD2 D9
	IO_L19P_7	7	AD2 D10
	IO_L16N_7	4	AD2 D11
	IO_L16P_7/VREF_7	3	AD2 D12
	IO_L01N_7/VRP_7	2	AD2 D13
	IO_L01P_7/VRN_7	1	AD2 OTR

XC3S400-4PQG208C

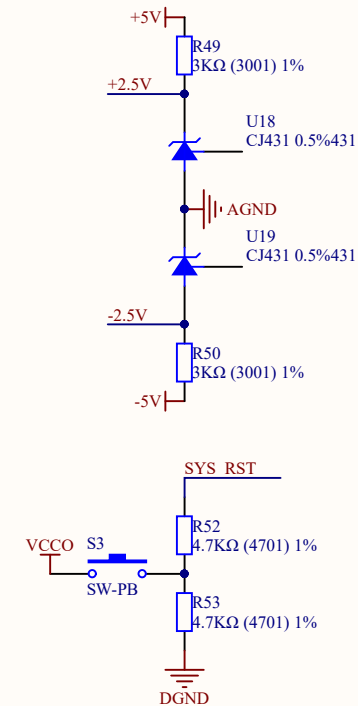
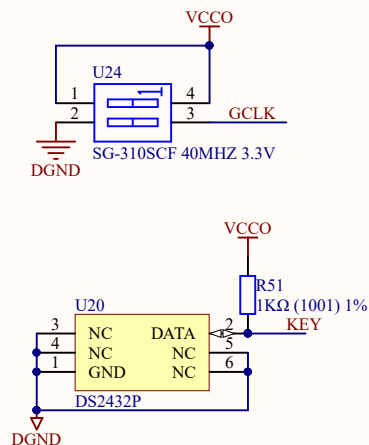
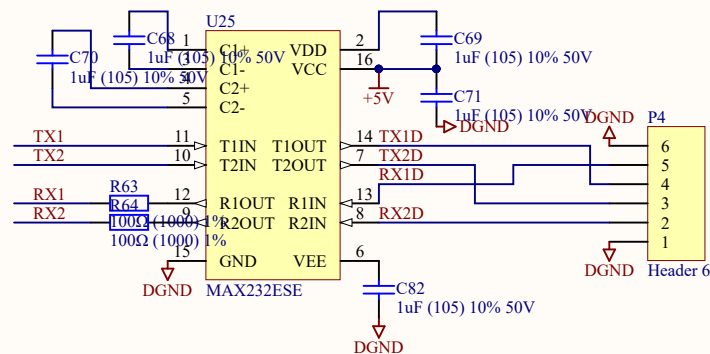
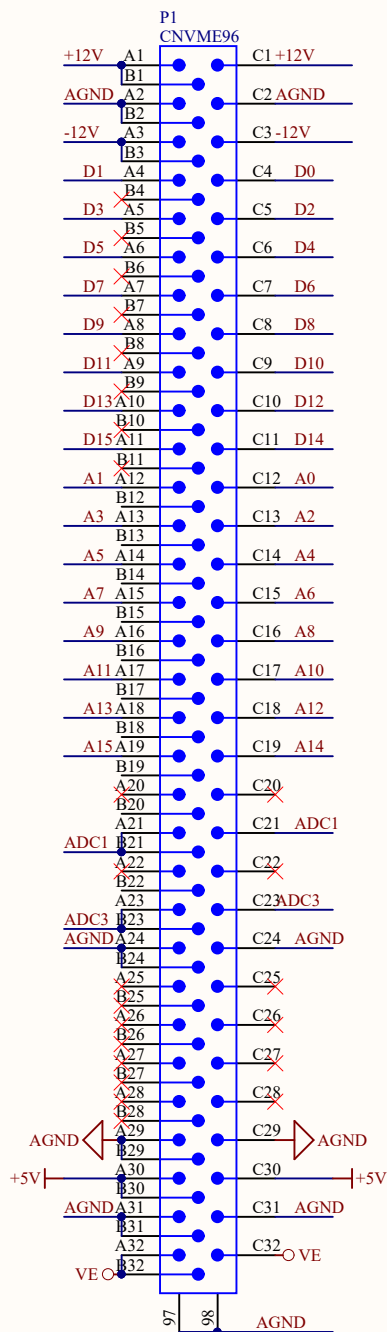
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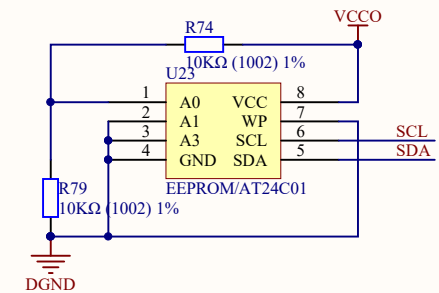
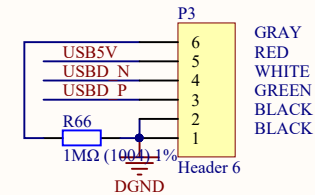
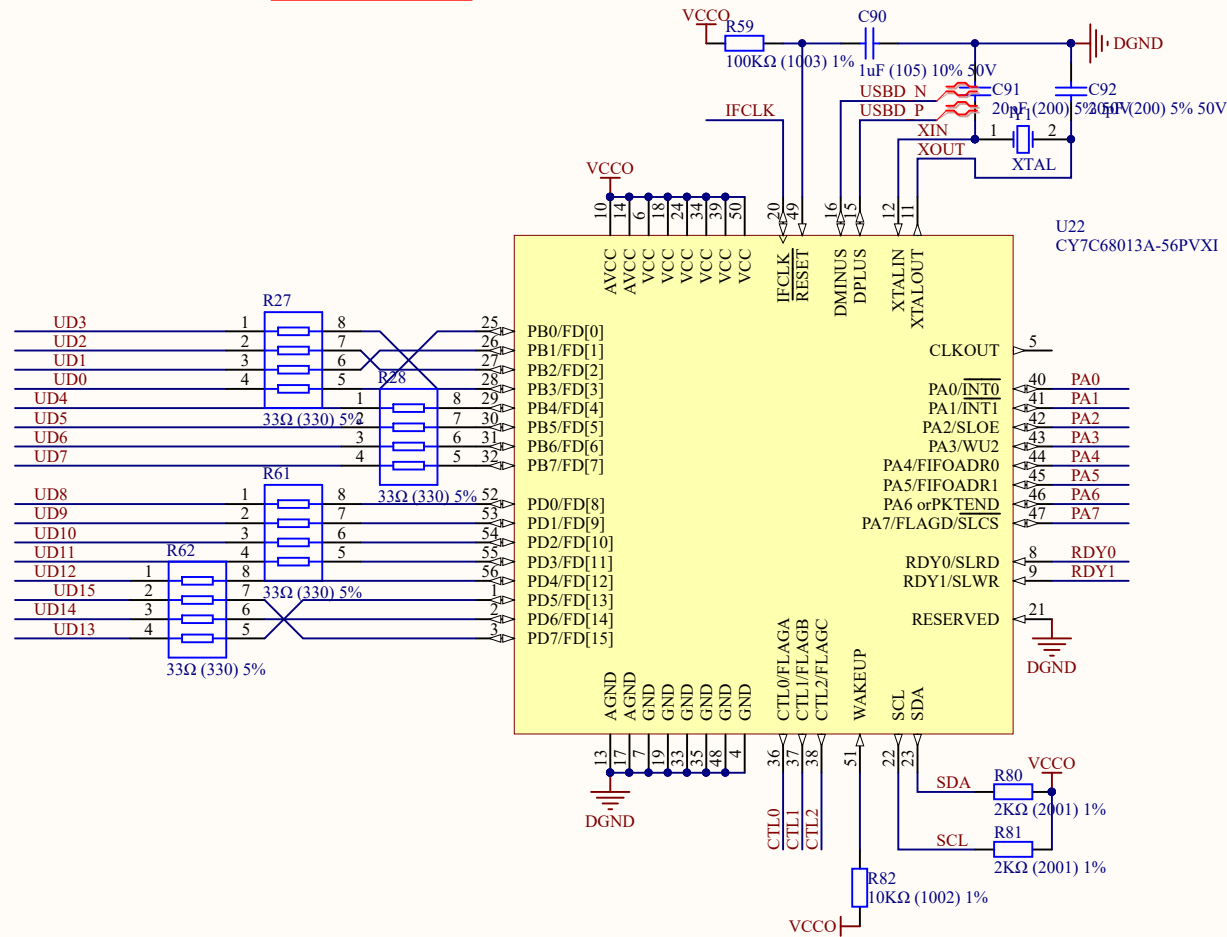
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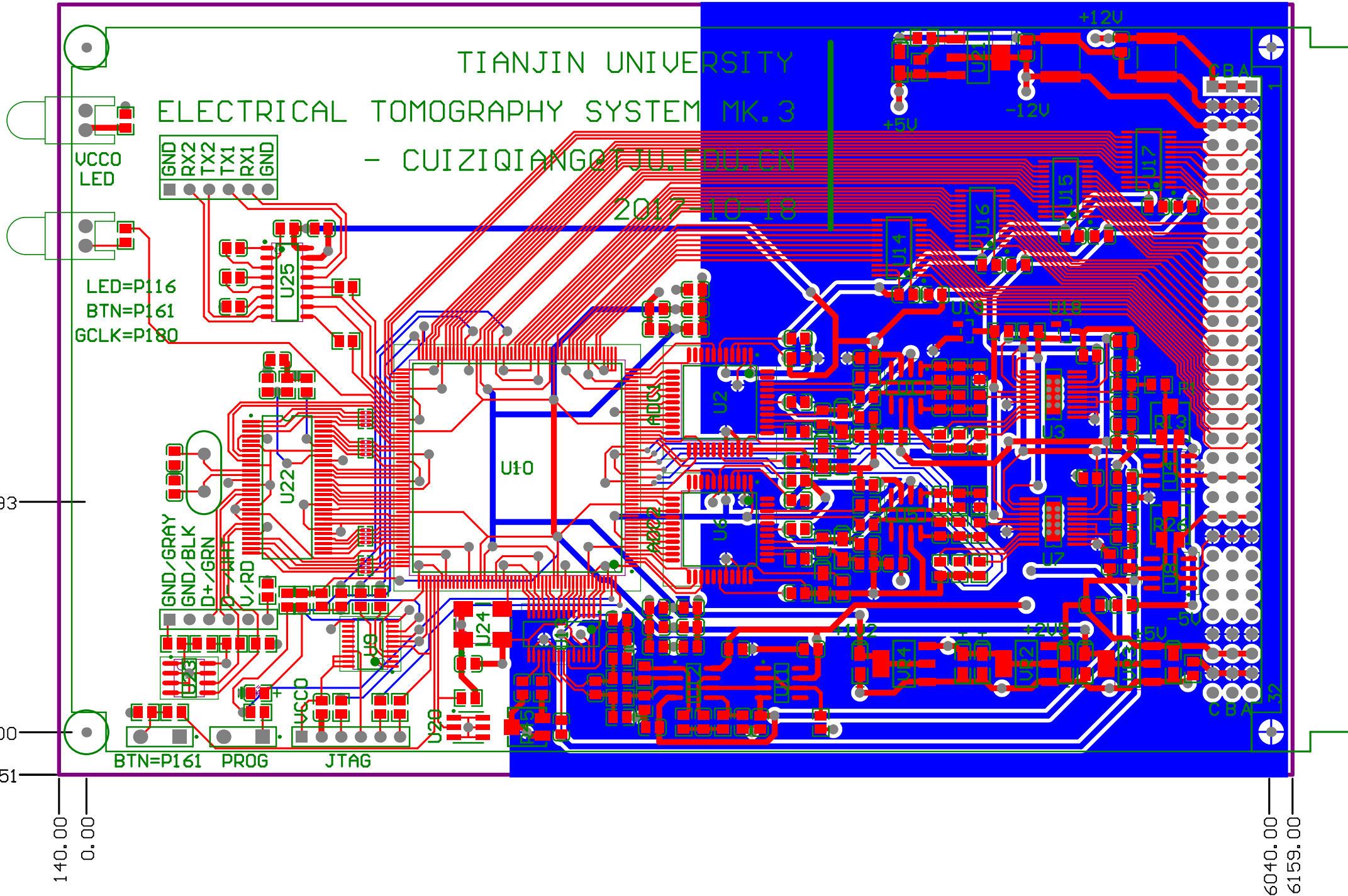
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Comment	Description	Designator	Footprint	LibRef	Quantity
20pF (200) 5% 50V	贴片电容	C1, C2, C12, C13, C25, C91, C92	LC-0805_C	0805 20pF (200) 5% 50V	7
100nF(104) 10% 50V	贴片电容	C3, C4, C6, C8, C9, C14, C15, C17, C19, C20, C23, C27, C28, C29, C31, C32, C33, C34, C35, C40, C41, C42, C43, C50, C51, C52, C53, C54, C55, C56, C57, C59, C60, C61, C77, C78, C79, C93, C94, C95, C96, C97, C98, C99, C100	LC-0805_C	0805 100nF(104) 10% 50V	45
10uF (106) 10% 16V	钽电容	C5, C7, C16, C18, C30, C44, C45, C62, C63, C80, C81	LC-CASE-A_3216	3216 10uF (106) 10% 16V	11
47pF (470) 5% 50V	贴片电容	C10, C11, C21, C22, C24, C26	LC-0805_C	0805 47pF (470) 5% 50V	6
10nF (103) 10% 50V	贴片电容	C36, C37, C38, C39	LC-0805_C	0805 10nF (103) 10% 50V	4
47nF (473) 10% 50V	贴片电容	C46, C47, C48, C49, C64, C65, C66, C67, C73, C74, C75, C76	LC-0805_C	0805 47nF (473) 10% 50V	12
Cap Pol3	Polarized Capacitor (Surface Mount)	C58, C72	2220	Cap Pol3	2
1uF (105) 10% 50V	贴片电容	C68, C69, C70, C71, C82, C90	LC-0805_C	0805 1uF (105) 10% 50V	6
红灯 0805	发光二极管	D1	LC-0805_LED S1	0805 红灯	1
LED0	Typical INFRARED GaAs LED	D2, D3	LED-0	LED0	2
CNVME96	96-Pin Connector (3x32 2.54mm grid)	P1	CNVME96	CNVME96	1
Header 6	Header, 6-Pin	P2, P3, P4	HDR1X6	Header 6	3
510Q (5100) 1%	贴片电阻	R1, R2, R3, R5, R14, R15, R16, R18	LC-0805_R	0805 510Q (5100) 1%	8
49.9Q (49R9) 1%	贴片电阻	R4, R6, R17, R19, R46, R47	LC-0805_R	0805 49.9Q (49R9) 1%	6
2KQ (2001) 1%	贴片电阻	R7, R20, R44, R80, R81	LC-0805_R	0805 2KQ (2001) 1%	5
1KQ (1001) 1%	贴片电阻	R8, R9, R21, R22, R41, R42, R51	LC-0805_R	0805 1KQ (1001) 1%	7
3.3KQ (3301) 1%	贴片电阻	R10, R11, R12, R23, R24, R25	LC-0805_R	0805 3.3KQ (3301) 1%	6
RPot 5M	Square Trimming Potentiometer	R13, R26, R45	POT4MM-2	RPot 5M	3
33Q (330) 5%	贴片排阻	R27, R28, R61, R62	LC-0402_Rx4	0402*4 33Q (330) 5%	4
100Q (1000) 1%	贴片电阻	R29, R30, R32, R36, R37, R40, R43, R56, R63, R64	LC-0805_R	0805 100Q (1000) 1%	10
270Q (2700) 1%	贴片电阻	R31, R55, R57	LC-0805_R	0805 270Q (2700) 1%	3
51Q (51R0) 1%	贴片电阻	R33, R38	LC-0805_R	0805 51Q (51R0) 1%	2
4.7KQ (4701) 1%	贴片电阻	R34, R35, R52, R53	LC-0805_R	0805 4.7KQ (4701) 1%	4
1.8KQ (1801) 1%	贴片电阻	R39, R48	LC-0805_R	0805 1.8KQ (1801) 1%	2
3KQ (3001) 1%	贴片电阻	R49, R50	LC-0805_R	0805 3KQ (3001) 1%	2
300Q (3000) 1%	贴片电阻	R54	LC-0805_R	0805 300Q (3000) 1%	1
0Q (0R0) 1%	贴片电阻	R58, R60	LC-0805_R	0805 0Q (0R0) 1%	2
100KQ (1003) 1%	贴片电阻	R59	LC-0805_R	0805 100KQ (1003) 1%	1
1MQ (1004) 1%	贴片电阻	R66	LC-0805_R	0805 1MQ (1004) 1%	1
10KQ (1002) 1%	贴片电阻	R74, R79, R82	LC-0805_R	0805 10KQ (1002) 1%	3
SW-PB	Switch	S1, S3	SPST-2	SW-PB	2
AD8138ARZ		U1, U5	SO-8_N	AD8138ARZ	2
AD9240AS	Complete 14-Bit, 10 MSPS Monolithic A/D Converter, 44-Pin MQFP, Industrial	U2, U6	S-44-MQFP_N	AD9240AS	2
THS7001		U3, U7	PWP20	THS7001	2
AD817AR	High-Speed, Low-Power Wide Supply Range Amplifier	U4, U8, U11	SO-8_N	AD817AR	3
XCf025VO20C	XCf005 Series, Platform Flash In-System Programmable Configuration 3.3V PROM, 20-Pin TSOP, 2-Megabit, Commercial Grade	U9	VO20_N	XCf025VO20C	1
XC3S400-4PQG208C	Spartan-3 1.2V FPGA, 141 User I/Os, 208-Pin PQFP, Standard Performance, Commercial Grade, Pb-Free	U10	PQG208_N	XC3S400-4PQG208C	1
AD8066AR	Low Cost, 300MHz Voltage Feedback Amplifier	U12	SO-8_N	AD8056AR	1
AD9764ARU	Single 14-Bit TxDAC, 125 Mbps, 40 to +85 degC, RU-28, Tube	U13	RU-28_N	AD9764ARU	1
SN74LVCA245APWRG4	74系列逻辑芯片	U14, U15, U16, U17	LC-TSSOP-24	SN74LVCA245APWRG4	4
CJ431 0.5%431	电压基准	U18, U19	LC-SOT-23(SOT-23-3)	CJ431 0.5%431	2
DS2432P	256-Bit 1-Wire EEPROM	U20	TSOC6	DS2430AP	1
LM337IMP/NOPB	3-Terminal Adjustable Negative Regulator, 4-pin SOT-223, Pb-Free	U21	MP04A_N	LM337IMP/NOPB	1
CY7C68013A-56PVX0	EZ-USB FX2LP USB Microcontroller Ideal for Non-Battery Powered Applications,16K RAM, 24 I/Os, 56-Pin SSOP, Pb-Free, Industrial Grade	U22	OS6	CY7C68013A-56PVX0	1
EEPROM(AT24C01	EEPROM	U23	SO-8_N	EEPROM(AT24C256C-SSH1-T	1
SG-310SCF 40MHZ 3.3V	DIP Switch, 2 Position, SPST	U24	LC-SMD-7050_4P	SW DIP-2	1
MAX232ESE	RS232	U25	LC-SOIC-16, 150mil	MAX232ESE	1
AMS1117-3.3	低压差线性稳压(LDO)	VR2	LC-SOT-223	SOT-223 AMS1117-3.3	1
AMS1117-2.5	低压差线性稳压(LDO)	VR3	LC-SOT-223	SOT-223 AMS1117-3.3	1
AMS1117-1.2	低压差线性稳压(LDO)	VR4	LC-SOT-223	SOT-223 AMS1117-3.3	1
XTAL	Crystal Oscillator	Y1	LC-HC-495	XTAL	1