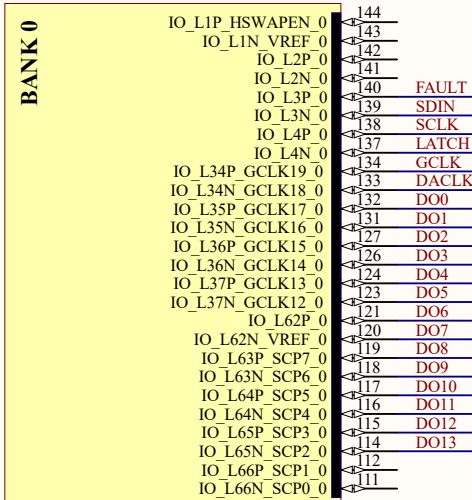
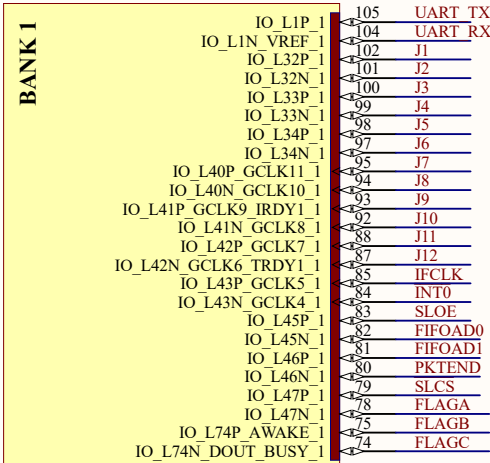


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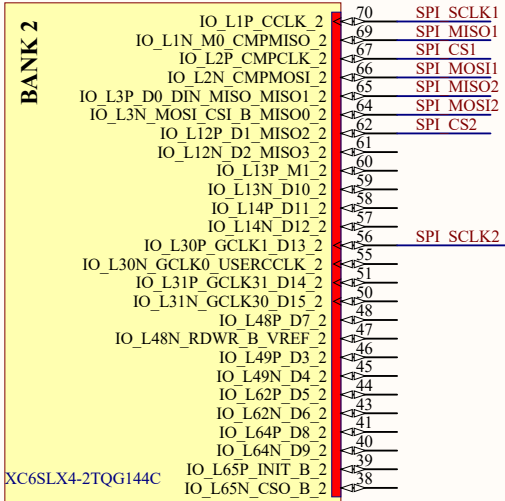
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U2B



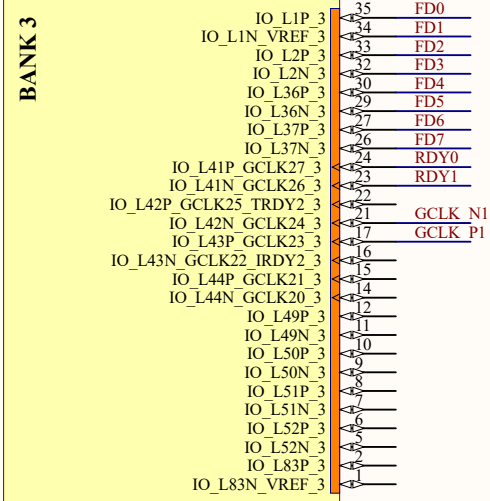
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U2C



XC6SLX4-2TQG144C

U2D



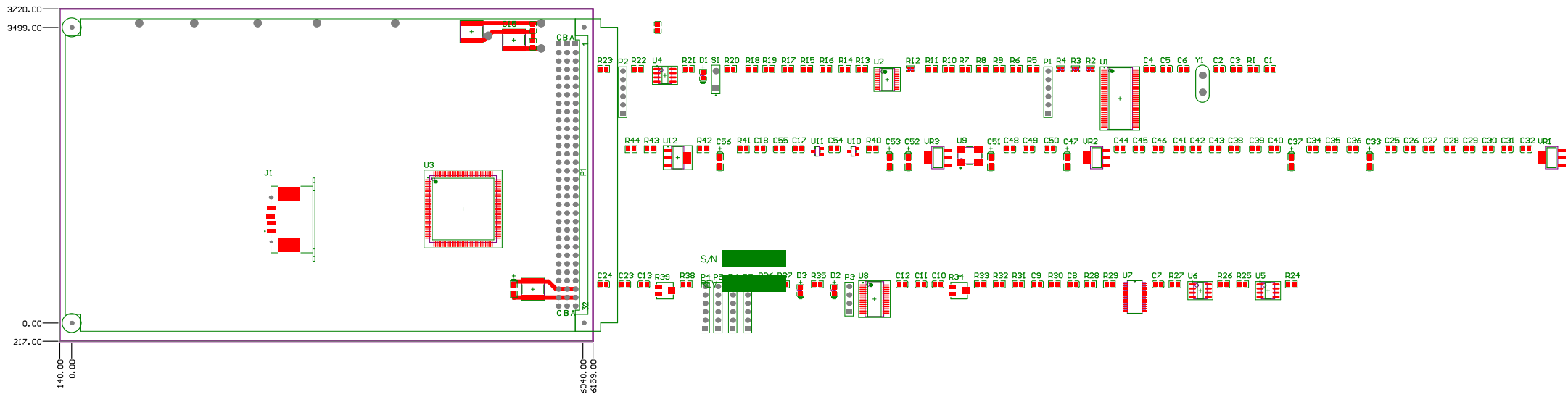
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Title		
Size	Number	Revision
A4		
Date:	2018/9/19	Sheet of
File:	C:\Users\...CV-FPGAIO.SchDoc	Drawn By:

. c 2002 COMPANY NAME
BOARD NAME
ASSY NO: XXXXXX

CU2018D.PcbDoc
Multilayer Composite Print

A V39 XXX-XXXXXX N\9



Comment	Description	Designator	Footprint	LibRef	Quantity
1uF (105) 10% 50V	贴片电容	C1, C56	LC-0805_C	0805 1uF (105) 10% 50V	2
12pF (120) 5% 50V	贴片电容	C2, C3	LC-0805_C	0805 12pF (120) 5% 50V	2
100nF(104) 10% 50V	贴片电容	C4, C8, C12, C13, C14, C16, C17, C18, C21, C52, C53, C55, C57, C58	LC-0805_C	0805 100nF(104) 10% 50V	14
4.7uF (475) 10% 25V	贴片电容	C5, C6	LC-0805_C	0805 4.7uF (475) 10% 25V	2
47nF (473) 10% 50V	贴片电容	C7	LC-0805_C	0805 47nF (473) 10% 50V	1
47pF (470) 5% 50V	贴片电容	C9, C11	LC-0805_C	0805 47pF (470) 5% 50V	2
22pF (220) 5% 50V	贴片电容	C10	LC-0805_C	0805 22pF (220) 5% 50V	1
Cap Pol3	Polarized Capacitor (Surface Mount)	C15, C20, C22	C2225	Cap Pol3	3
10uF (106) 10% 16V	钽电容	C19, C31, C35, C45, C49, C50, C51, C54	LC-CASE-A_3216	3216 10uF (106) 10% 16V	8
4.7uF	贴片电容	C23, C24, C25, C26, C27, C28, C29, C34, C38, C39, C40, C44, C48	LC-0805_C	0805 4.7uF (475) 10% 25V	13
470nF	贴片电容	C30, C32, C33, C36, C37, C41, C42, C43, C46, C47	LC-0805_C	0805 470nF (474) 10% 50V	10
红灯 0805	发光二极管	D1, D2	LC-0805_LED_S1	0805 红灯	2
USB Micro AB	USB 1.1, Right Angle, SMT, A Type, Receptacle, 4 Position, White	J1		1-353576-1	1
Header 6	Header, 6-Pin	P1, P2, P5, P6, P7, P8	HDR1X6	Header 6	6
Header 3	Header, 3-Pin	P3	HDR1X3	Header 3	1
Header 4X2	Header, 4-Pin, Dual Row	P4	HDR2X4	Header 4X2	1
CNVME96	96-Pin Connector (3x32 2.54mm grid)	P10	CNVME96	CNVME96	1
0Ω (0R0) 1%	贴片电阻	R1, R6, R8, R9, R10, R11, R44, R45, R60	LC-0805_R	0805 0Ω (0R0) 1%	9
100Ω (1000) 1%	贴片电阻	R2, R4, R7, R27, R30, R31, R33, R34, R36, R38, R51, R54, R63	LC-0805_R	0805 100Ω (1000) 1%	13
100KΩ (1003) 1%	贴片电阻	R3	LC-0805_R	0805 100KΩ (1003) 1%	1
4.7KΩ (4701) 1%	贴片电阻	R5, R37, R43, R67	LC-0805_R	0805 4.7KΩ (4701) 1%	4
10KΩ (1002) 1%	贴片电阻	R12, R13, R14, R32, R35, R41, R42, R46, R66	LC-0805_R	0805 10KΩ (1002) 1%	9
75Ω (75R0) 1%	贴片电阻	R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R28, R29	LC-0805_R	0805 75Ω (75R0) 1%	14
2KΩ (2001) 1%	贴片电阻	R39, R40, R55	LC-0805_R	0805 2KΩ (2001) 1%	3
1MΩ (1004) 1%	贴片电阻	R47	LC-0805_R	0805 1MΩ (1004) 1%	1
1KΩ (1001) 1%	贴片电阻	R48, R52, R53, R64, R65	LC-0805_R	0805 1KΩ (1001) 1%	5
1.8KΩ (1801) 1%	贴片电阻	R49, R57	LC-0805_R	0805 1.8KΩ (1801) 1%	2
49.9Ω (49R9) 1%	贴片电阻	R50, R56	LC-0805_R	0805 49.9Ω (49R9) 1%	2
20K	Square Trimming Potentiometer	R58	POT4MM-2	RPot 5M	1
3KΩ (3001) 1%	贴片电阻	R59, R61	LC-0805_R	0805 3KΩ (3001) 1%	2
300Ω (3000) 1%	贴片电阻	R62	LC-0805_R	0805 300Ω (3000) 1%	1
CY7C68013A-56PVXC	EZ-USB FX2LP USB Microcontroller Ideal for Non-Battery Powered Applications,16K RAM, 24 I/Os, 56-Pin SSOP, Pb-Free, Commercial Grade	U1	OS6_N	CY7C68013A-56PVXC	1
XC6SLX4-2TQG144C	Spartan-6 LX 1.2V FPGA, 102 User I/Os, 144-Pin TQFP (0.5mm Pitch), Speed Grade 2, Commercial Grade, Pb-Free	U2	TQG144_N	XC6SLX4-2TQG144C	1
AT24C01BN-SP25-B	1Kbit (128 x 8), 2-wire Bus Automotive Serial EEPROM with Write Protect, 2.5V, 8-Pin SOIC, Bulk	U3	8S1_N	AT24C01BN-SP25-B	1
AD817AR	Single Channel Low Power Operational Amplifier, 50 MHz BW, 350 V/us SR, Industrial, 8-pin SOIC (R-8), Tube	U4	ADI-R-8_N	AD817AR	1
AD8066AR	Double Channel Low Power Operational Amplifier, 145 MHz BW, 180 V/us SR, Industrial, 8-pin SOIC (R-8), Tube	U5	ADI-R-8_N	AD8066AR	1
AD9764ARU	Imported	U6	RU_28	AD9764ARU	1
SG-310SCF 40MHZ 3.3V	DIP Switch, 2 Position, SPST	U7	LC-SMD-7050_4P	SW DIP-2	1
CJ431 0.5%431	电压基准	U8, U9	LC-SOT-23(SOT-23-3)	CJ431 0.5%431	2
LM337IMP/NOPB	3-Terminal Adjustable Negative Regulator, 4-pin SOT-223, Pb-Free	U10	SOT223_N	LM337IMP/NOPB	1
W25Q64		U11	SOIC-208mil	W25Q64	2
FT232RL-Reel	USB UART Asynchronous Serial Data Transfer Chip, SSOP-28, Tape and Reel	U12	SSOP-28_N	FT232RL-Reel	1
AMS1117-3.3	低压差线性稳压(LDO)	VR1	LC-SOT-223	SOT-223 AMS1117-3.3	1
AMS1117-2.5	低压差线性稳压(LDO)	VR2	LC-SOT-223	SOT-223 AMS1117-2.5	1
AMS1117-1.2	低压差线性稳压(LDO)	VR3	LC-SOT-223	SOT-223 AMS1117-1.2	1
24MHZ	Crystal Oscillator	Y1	XTAL5	XTAL	1