- BlueTooth
- TM4C123GH6PZ
- IO
- EP4CE6E22C8N
- TMS_DEBUG
- LCD
- Key_Board
- Button
- JTAG
- AS
- POWER
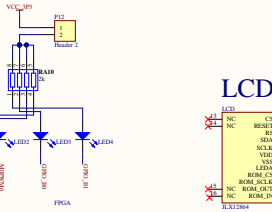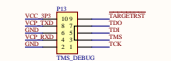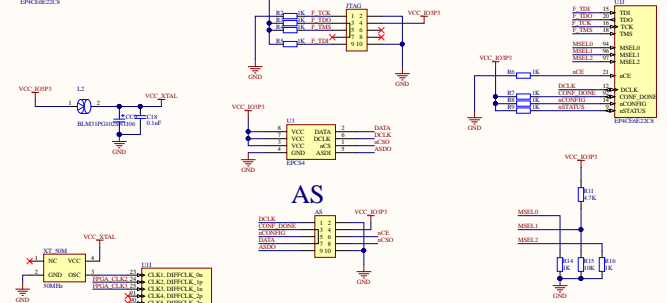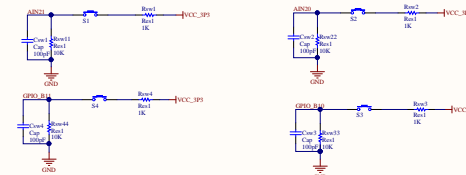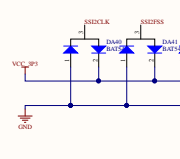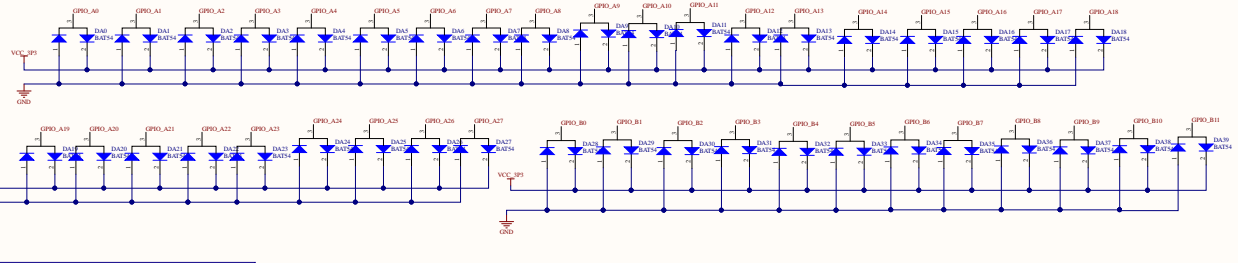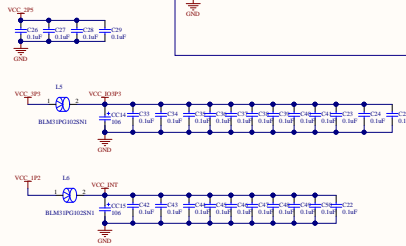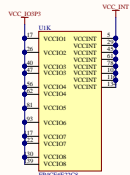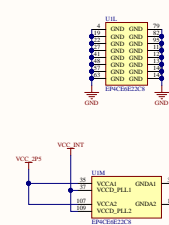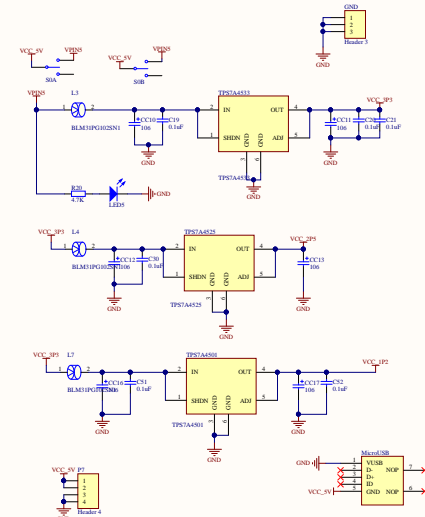
Title block (bottom right):

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Size	Number	Revision
A1		
Date: 2019/9/19		Sheet of
File: D:\AD2016...\2019\FPGA_Tiva_V2.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	Quantity	Value
	Header, 5-Pin, Dual row,for ISP special	AS, JTAG	HEADER JTAG/AS	2	
cap	[NoValue], [NoValue],	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, Csw1, Csw2, Csw3, Csw4	Cap_0603	54	0.1uF, 0.1uF, 0.1uF, 10p, 10p, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 0.1uF, 24p, 24p, 0.1uF, 100pF, 100pF, 100pF, 100pF
106	Molded (Tantalum) Capacitor, 2-Leads,	CC1, CC2, CC3, CC4, CC5, CC6, CC7, CC8, CC9, CC10, CC11, CC12, CC13, CC14, CC15, CC16, CC17	C1210	17	106
BAT54		DA0, DA1, DA2, DA3, DA4, DA5, DA6, DA7, DA8, DA9, DA10, DA11, DA12, DA13, DA14, DA15, DA16, DA17, DA18, DA19, DA20, DA21, DA22, DA23, DA24, DA25, DA26, DA27, DA28, DA29, DA30, DA31, DA32, DA33, DA34, DA35, DA36, DA37, DA38, DA39, DA40, DA41, DA42, DA43, DA44, DA45, DA46, DA47	BAT54	48	
Header 3	Header, 3-Pin	GND	HDR1X3	1	
Header 8	Header, 8-Pin	KEY	HDR1X8	1	
BLM31PG102SN1		L1, L2, L3, L4, L5, L6, L7	BLM21PG600SN1_0805	7	
JLX12864		LCD	JLX12864	1	
	Typical Chip LED	LED1, LED2, LED3, LED4, LED5	LEDC2012(0805)	5	
		MicroUSB	Micro_USB	1	
Header 5X2	Header, 5-Pin, Dual row	P2	HDR2X5	1	
	Header, 20-Pin, Dual row	P3, P5	HDR2X20	2	
	Header, 4-Pin	P7	HDR1X4	1	
	Header, 2-Pin	P12, P14, RST	HDR1X2	3	
	Header, 5-Pin, Dual row,for ISP special	P13	HEADER JTAG/AS	1	
Header 6	Header, 6-Pin	Pbt	HDR1X6	1	
Res		R1, R2, R3, R4, R5, R6, R7, R8, R9, R11, R13, R14, R15, R16, R17, R18, R19, R20	R_0603	18	1K, 1K, 1K, 1K, 1K, 1K, 1K, 1K, 1K, 4.7K, 1K, 1K, 10K, 1K, 1K, 1K, 1K, 4.7K
100	Resistor Network, Isolated, 4 x 100R, 5%, SMD 0402 x 4	RA1, RA2, RA3, RA4, RA5, RA6, RA7	RESCA3216(0603)8P	7	100
470	Resistor Network, Isolated, 4 x 100R, 5%, SMD 0402 x 4	RA8, RA9	RESCA3216(0603)8P	2	470
2k	Resistor Network, Isolated, 4 x 100R, 5%, SMD 0402 x 4	RA10	RESCA3216(0603)8P	1	2k
Button	Button	RESET, S1, S2, S3, S4	BUTTON-DIP	5	
Res1	Resistor	Rsw1, Rsw2, Rsw3, Rsw4, Rsw11, Rsw22, Rsw33, Rsw44	R_0603	8	1K, 1K, 1K, 1K, 10K, 10K, 10K, 10K
SW-DPDT	Double-Pole, Double-Throw Switch	S0	DPDT-6-SMALL	1	
TPS7A4501		TPS7A4501	SOT223-6	1	
TPS7A4525		TPS7A4525	SOT223-6	1	
TPS7A4533		TPS7A4533	SOT223-6	1	
EP4CE6E22C8	Cyclone IV Family FPGA, 2V Core, 91 I/O Pins, 2 PLLs, 144-Pin QFP, Speed Grade 8, Commercial Grade	U1	EQFP144	1	
TM4	TM4C123GH6PZ	U2	TM4C123GH6PZ	1	
EPCS4		U3	SOIC8N	1	
XTAL		X1	XTAL-PINGBI	1	
XTAL32768-CHIP		X2	XTAL-32768-CHIP	1	
50MHz		XT_50M	XTAL_PW	1	