
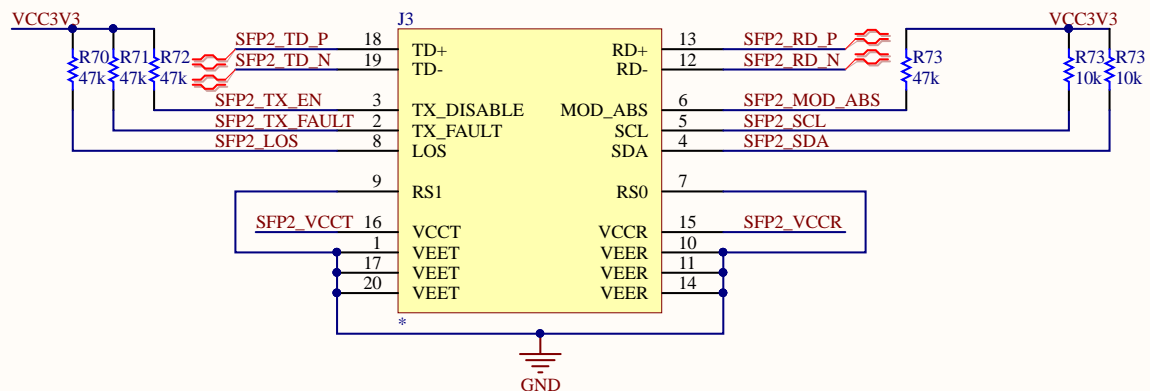
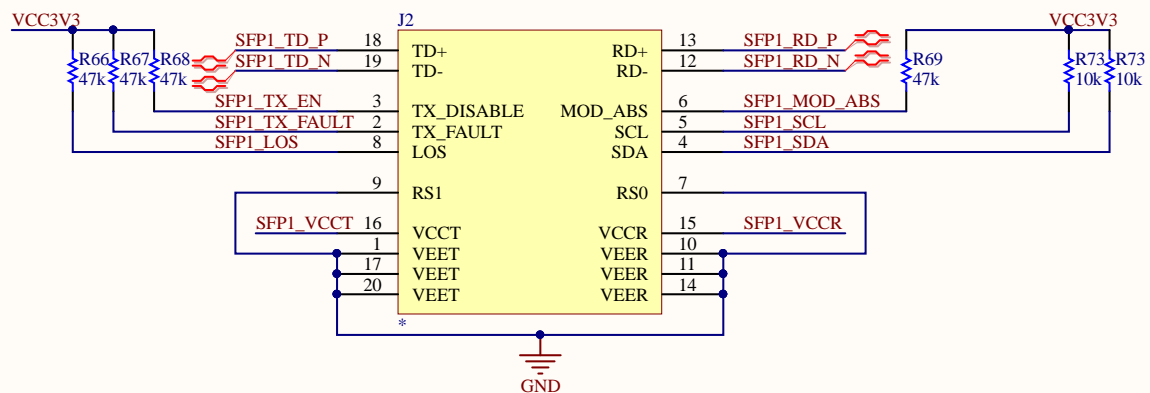
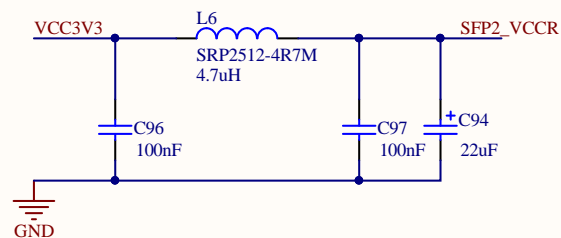
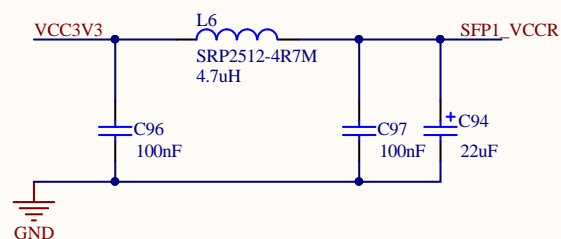
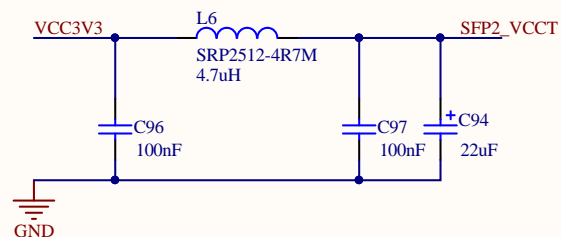
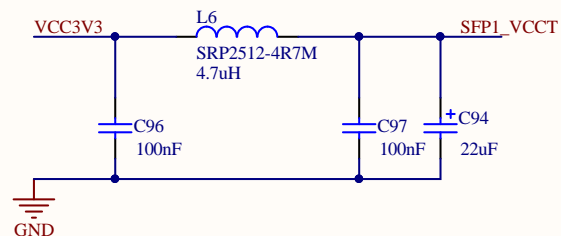



Title			Power: DCDC
Size	A3		Revision
Date:	6/2/2017		Sheet 1 of 9
File:	C:\Users\...PWR_APD5052.SchDoc	Drawn By: Samer Kilani	



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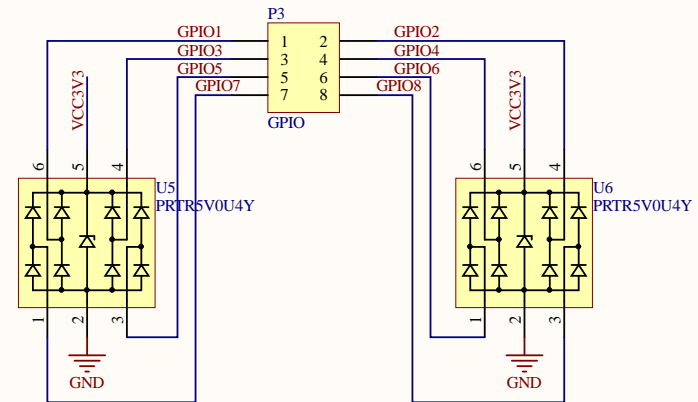
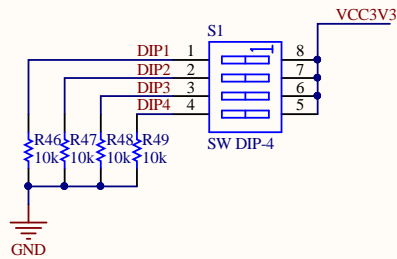
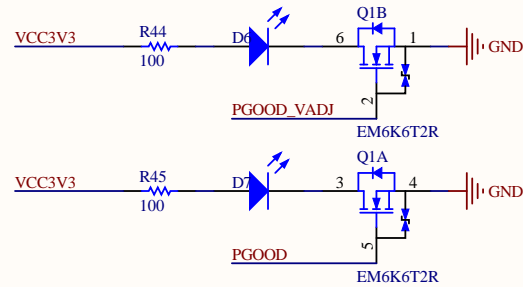
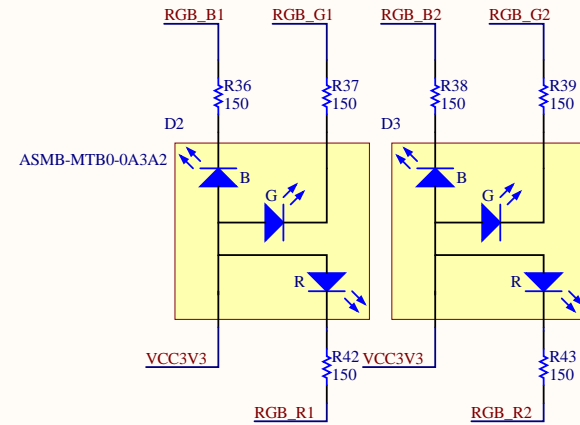
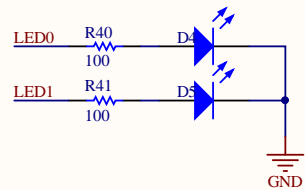
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SFP		
Size		Revision
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Date:	6/2/2017	Sheet 3 of 9
File:	C:\Users\...SFP.SchDoc	Drawn By: Samer Kilani


1

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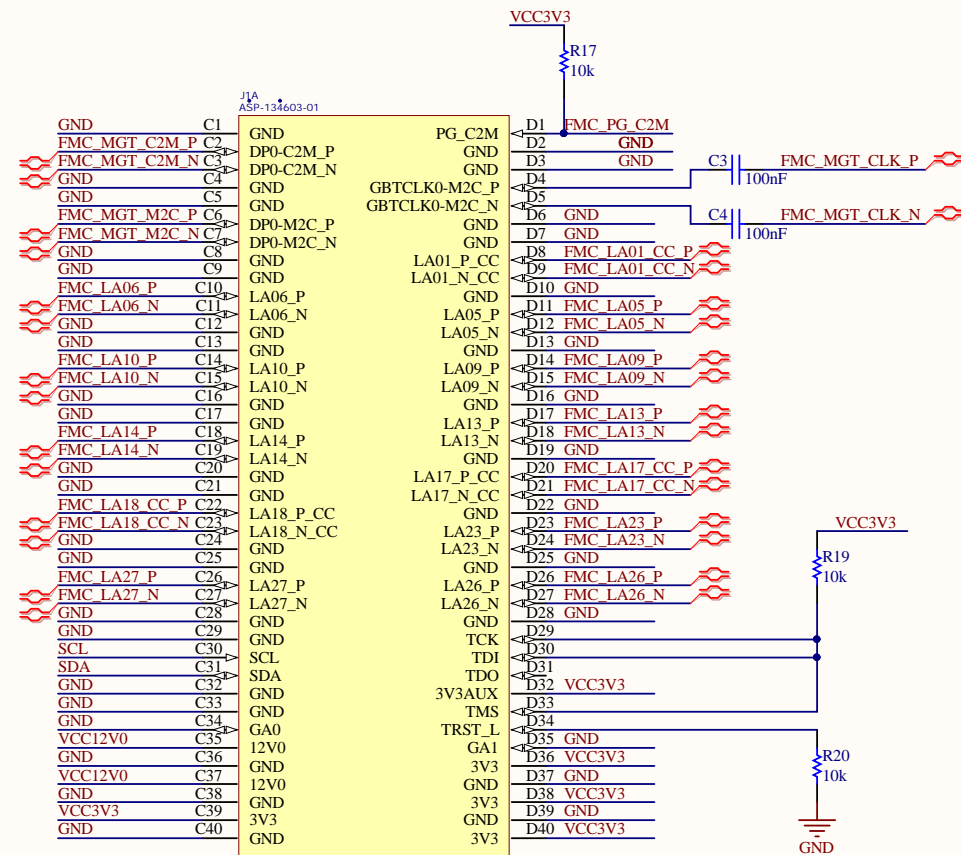
Title IO		
Size A4		Revision
Date: 6/2/2017	Sheet 4 of 9	
File: C:\Users\...\IO.SchDoc	Drawn By: Samer Kilani	


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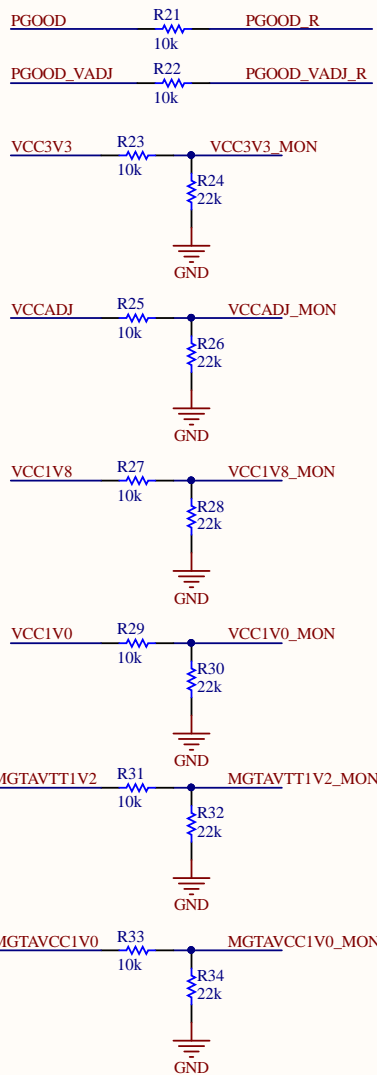
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4



Title FMC		
Size A4		Revision
Date: 6/2/2017	Sheet 5 of 9	
File: C:\Users\...\FMC.SchDoc	Drawn By: Samer Kilani	



VCC3V3	
BANK 14	IO_0_14 P20 GPIO1
	IO_L1P_T0_D00_MOSI_14 P22 QSPI IO0
	IO_L1N_T0_D01_DIN_14 R22 QSPI IO1
	IO_L2P_T0_D02_14 P21 QSPI IO2
	IO_L2N_T0_D03_14 R21 QSPI IO3
	IO_L3P_T0_DQS_PUDC_B_14 U22
	IO_L3N_T0_DQS_EMCCCLK_14 T21 PG00D_R
	IO_L4P_T0_D04_14 U21 PG00D_VADJ_R
	IO_L4N_T0_D05_14 P19
	IO_L5P_T0_D06_14 R19
	IO_L5N_T0_D07_14 T19 QSPI CS
	IO_L6P_T0_FCS_B_14 T20
	IO_L6N_T0_D08_VREF_14 W21
	IO_L7P_T1_D09_14 W22
	IO_L7N_T1_D10_14 AA20
	IO_L8P_T1_D11_14 AA21
	IO_L8N_T1_D12_14 Y21
	IO_L9P_T1_DQS_14 Y22
	IO_L9N_T1_DQS_D13_14 AB21
	IO_L10P_T1_D14_14 AB22
	IO_L10N_T1_D15_14 U20
	IO_L11P_T1_SRCC_14 V20
	IO_L11N_T1_SRCC_14 W19
	IO_L12P_T1_MRCC_14 W20
	IO_L12N_T1_MRCC_14 Y18
	IO_L13P_T2_MRCC_14 Y19
	IO_L13N_T2_MRCC_14 V18
	IO_L14P_T2_SRCC_14 V19
	IO_L14N_T2_SRCC_14 AA19
	IO_L15P_T2_DQS_RDWR_B_14 AB20
	IO_L15N_T2_DQS_DOUT_CSO_B_14 V17
	IO_L16P_T2_CSI_B_14 W17
	IO_L16N_T2_A15_D31_14 AA18
	IO_L17P_T2_A14_D30_14 AB18
	IO_L17N_T2_A13_D29_14 U17
	IO_L18P_T2_A12_D28_14 U18
	IO_L18N_T2_A11_D27_14 P14
	IO_L19P_T3_A10_D26_14 R14
	IO_L19N_T3_A09_D25_VREF_14 R18
	IO_L20P_T3_A08_D24_14 T18 DIP3
	IO_L20N_T3_A07_D23_14 N17 DIP4
	IO_L21P_T3_DQS_14 P17 DIP1
	IO_L22P_T3_A05_D21_14 P15 GPIO3
	IO_L22N_T3_A04_D20_14 R16 GPIO4
	IO_L23P_T3_A03_D19_14 N13 GPIO5
	IO_L23N_T3_A02_D18_14 N14 GPIO6
	IO_L24P_T3_A01_D17_14 P16 GPIO7
	IO_L24N_T3_A00_D16_14 R17 GPIO8
	IO_25_14 V15 GPIO2

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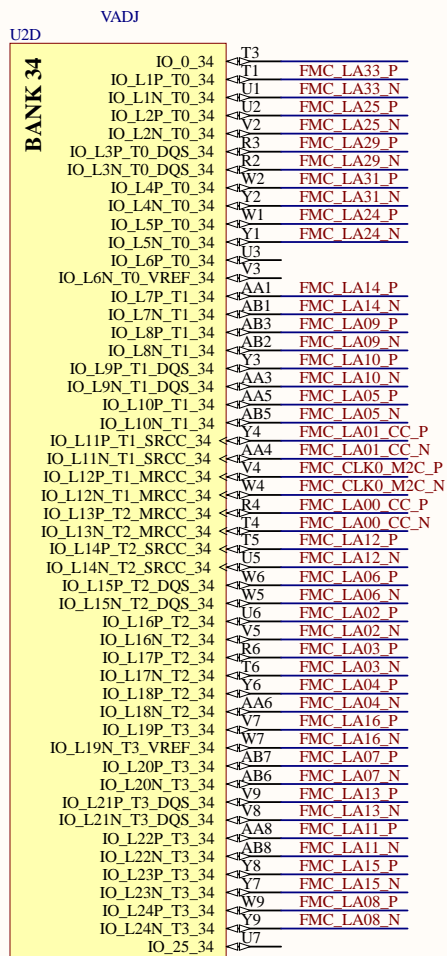
VCC3V3	
BANK 16	IO_0_16 F15 LED0
	IO_L1P_T0_16 F13
	IO_L1N_T0_16 F14
	IO_L2P_T0_16 F16
	IO_L2N_T0_16 F17
	IO_L3P_T0_DQS_16 C14
	IO_L3N_T0_DQS_16 C15
	IO_L4P_T0_16 E13 RGB_B1
	IO_L4N_T0_16 E14 RGB_G1
	IO_L5P_T0_16 E16 RGB_R1
	IO_L5N_T0_16 D16 RGB_B2
	IO_L6P_T0_16 D14 RGB_G2
	IO_L6N_T0_VREF_16 D15 RGB_R2
	IO_L7P_T1_16 B15
	IO_L7N_T1_16 B16
	IO_L8P_T1_16 C13
	IO_L8N_T1_16 B13
	IO_L9P_T1_DQS_16 A15
	IO_L9N_T1_DQS_16 A16
	IO_L10P_T1_16 A13
	IO_L10N_T1_16 A14
	IO_L11P_T1_SRCC_16 B17
	IO_L11N_T1_SRCC_16 B18
	IO_L12P_T1_MRCC_16 D17
	IO_L12N_T1_MRCC_16 C17
	IO_L13P_T2_MRCC_16 C18 SYSCLK
	IO_L13N_T2_MRCC_16 C19
	IO_L14P_T2_SRCC_16 E19
	IO_L14N_T2_SRCC_16 D19
	IO_L15P_T2_DQS_16 F18
	IO_L15N_T2_DQS_16 E18
	IO_L16P_T2_16 B20
	IO_L16N_T2_16 A20
	IO_L17P_T2_16 A18
	IO_L17N_T2_16 A19
	IO_L18P_T2_16 F19 SFP1_SCL
	IO_L18N_T2_16 F20 SFP1_SDA
	IO_L19P_T3_A22_15 D20 SFP2_SCL
	IO_L19N_T3_VREF_16 C20 SFP2_SDA
	IO_L20P_T3_16 C22 SFP1_TX_EN
	IO_L20N_T3_16 B22 SFP1_TX_FAULT
	IO_L21P_T3_DQS_16 B21 SFP1_LOS
	IO_L21N_T3_DQS_16 A21 SFP1_MOD_ABS
	IO_L22P_T3_16 E22 SFP2_TX_EN
	IO_L22N_T3_16 D22 SFP2_TX_FAULT
	IO_L23P_T3_16 E21 SFP2_LOS
	IO_L23N_T3_16 D21 SFP2_MOD_ABS
	IO_L24P_T3_16 G21
	IO_L24N_T3_16 G22
	IO_25_16 F21 LED1

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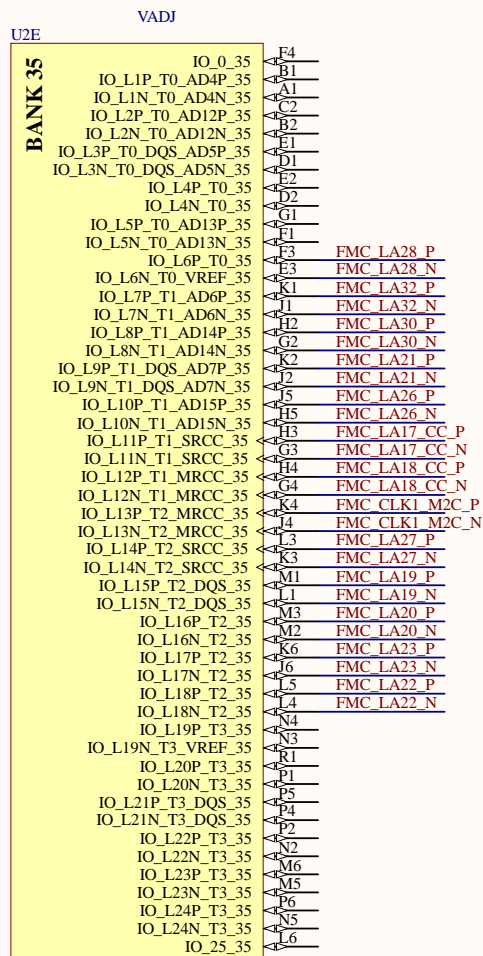
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BANK 15	IO_0_15 J16 BTN RESETN
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	IO_L1N_T0_AD0N_15 G13 VCCADJ_MON
	IO_L2P_T0_AD8P_15 G15 VCC1V8_MON
	IO_L2N_T0_AD8N_15 G16 VCC1V0_MON
	IO_L3P_T0_DQS_AD1P_15 J14 MGTAVTT1V2_MON
	IO_L3N_T0_DQS_AD1N_15 H14 MGTAVCC1V0_MON
	IO_L4P_T0_15 G17
	IO_L4N_T0_15 G18
	IO_L5P_T0_AD9P_15 J15
	IO_L5N_T0_AD9N_15 H15
	IO_L6P_T0_15 H17
	IO_L6N_T0_VREF_15 H18
	IO_L7P_T1_AD2P_15 J22
	IO_L7N_T1_AD2N_15 H22
	IO_L8P_T1_AD10P_15 H20
	IO_L8N_T1_AD10N_15 G20
	IO_L9P_T1_DQS_AD3P_15 K21
	IO_L9N_T1_DQS_AD3N_15 C22
	IO_L10P_T1_AD11P_15 M21
	IO_L10N_T1_AD11N_15 C21
	IO_L11P_T1_SRCC_15 J20
	IO_L11N_T1_SRCC_15 J21
	IO_L12P_T1_MRCC_15 J19
	IO_L12N_T1_MRCC_15 H19
	IO_L13P_T2_MRCC_15 K18
	IO_L13N_T2_MRCC_15 K19
	IO_L14P_T2_SRCC_15 L19
	IO_L14N_T2_SRCC_15 L20
	IO_L15P_T2_DQS_15 N22
	IO_L15N_T2_DQS_ADV_B_15 M22
	IO_L16P_T2_A28_15 M18
	IO_L16N_T2_A27_15 L18
	IO_L17P_T2_A26_15 N18
	IO_L17N_T2_A25_15 N19
	IO_L18P_T2_A24_15 N20
	IO_L18N_T2_A23_15 M20
	IO_L19P_T3_A22_15 K13
	IO_L19N_T3_A21_VREF_15 K14
	IO_L20P_T3_A20_15 M13
	IO_L20N_T3_A19_15 K13
	IO_L21P_T3_DQS_15 K17
	IO_L21N_T3_DQS_A18_15 L17
	IO_L22P_T3_A17_15 L14
	IO_L22N_T3_A16_15 L15
	IO_L23P_T3_FOE_B_15 L16
	IO_L23N_T3_FWE_B_15 M15
	IO_L24P_T3_RS1_15 M16
	IO_L24N_T3_RS0_15 M17
	IO_25_15

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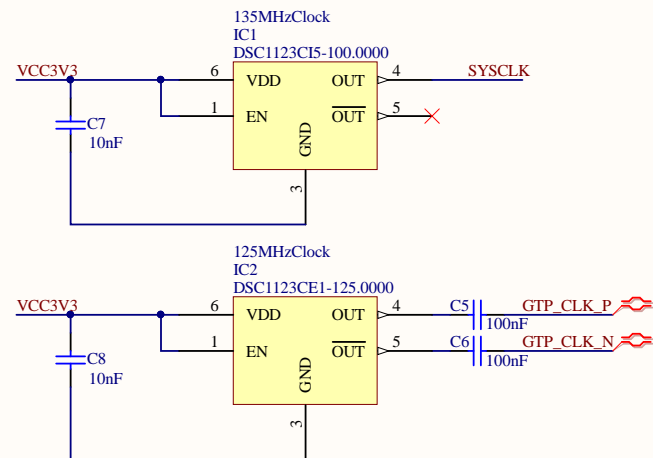
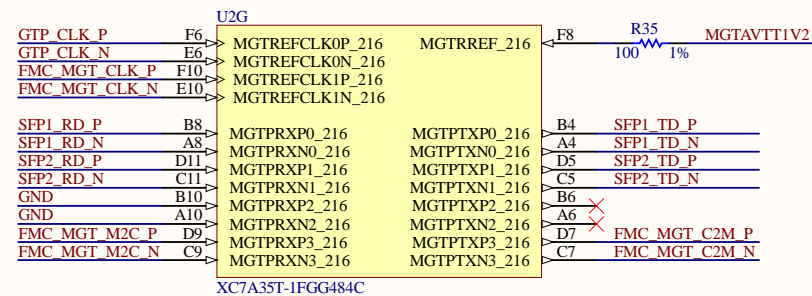
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Size A4		Revision
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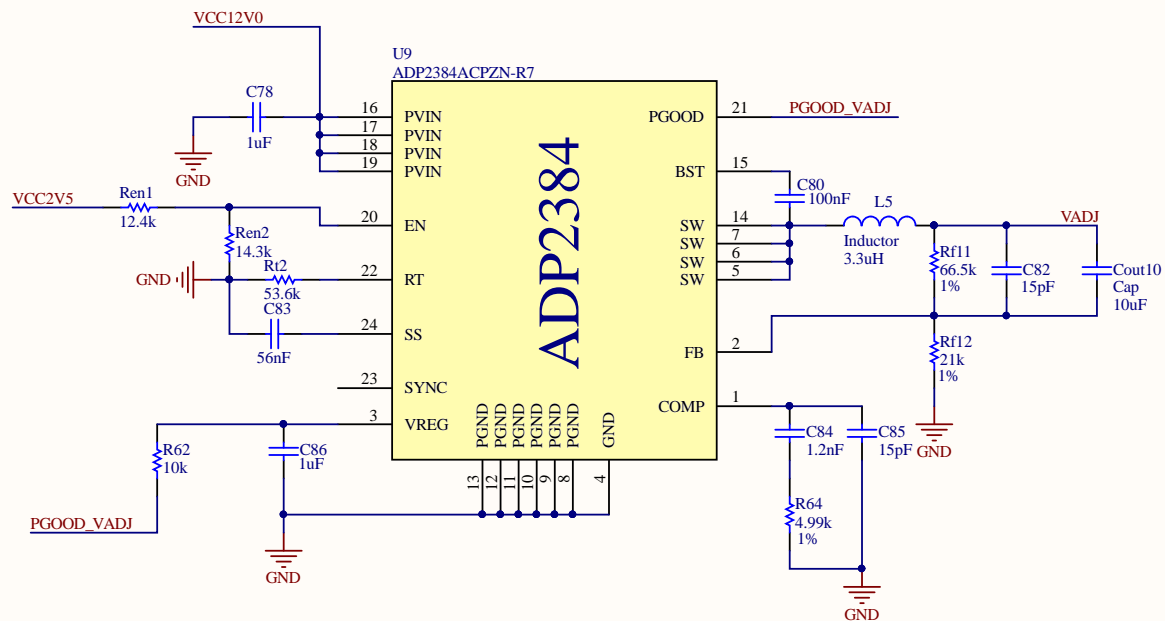
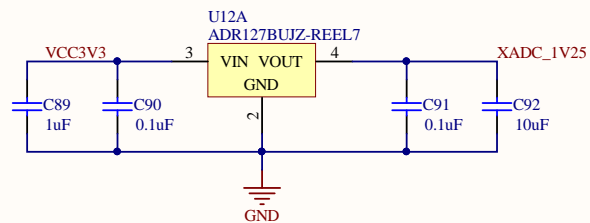
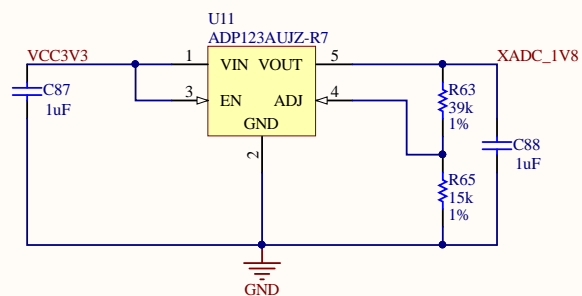
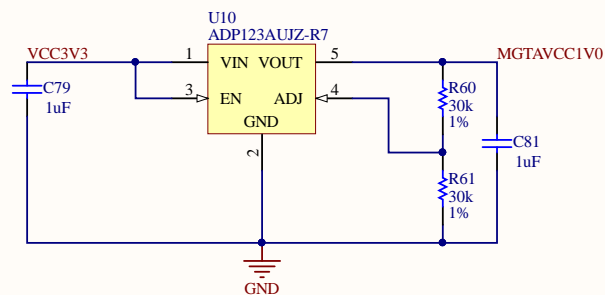
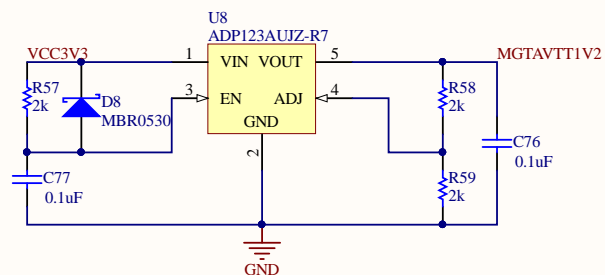
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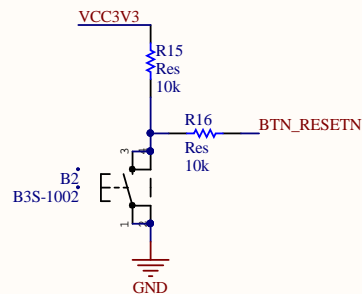
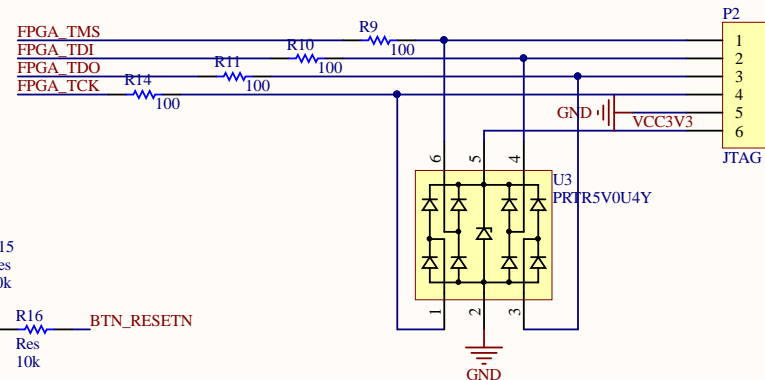
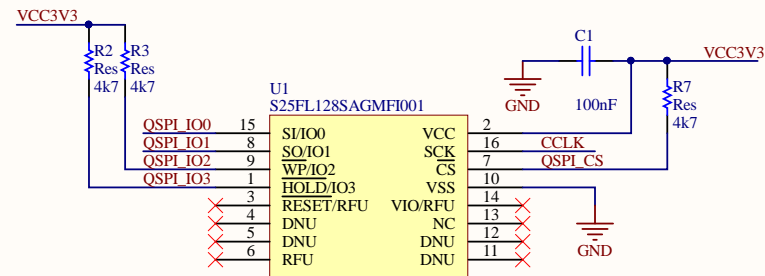
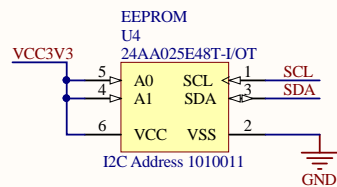
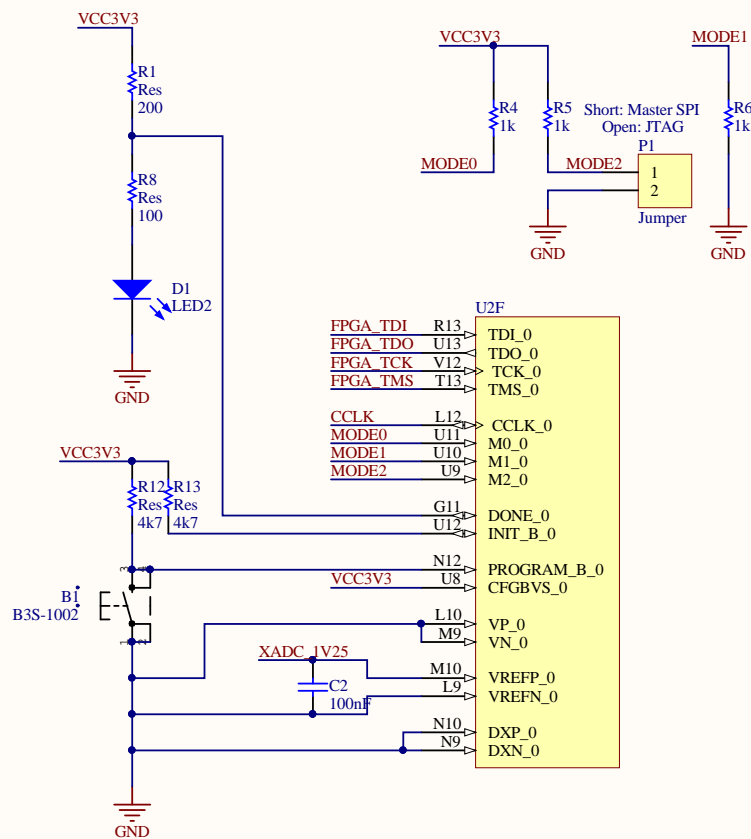
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Size		Revision
A4		
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Size	A4	Revision	
Date:	6/2/2017	Sheet 8 of	9
File:	C:\Users\...\Regulators.SchDoc	Drawn By:	Samer Kilani



Title		FPGA Configuration	
Size	A4	Revision	
Date:	6/2/2017	Sheet 9 of	9
File:	C:\Users\...\Config.SchDoc	Drawn By:	Samer Kilani