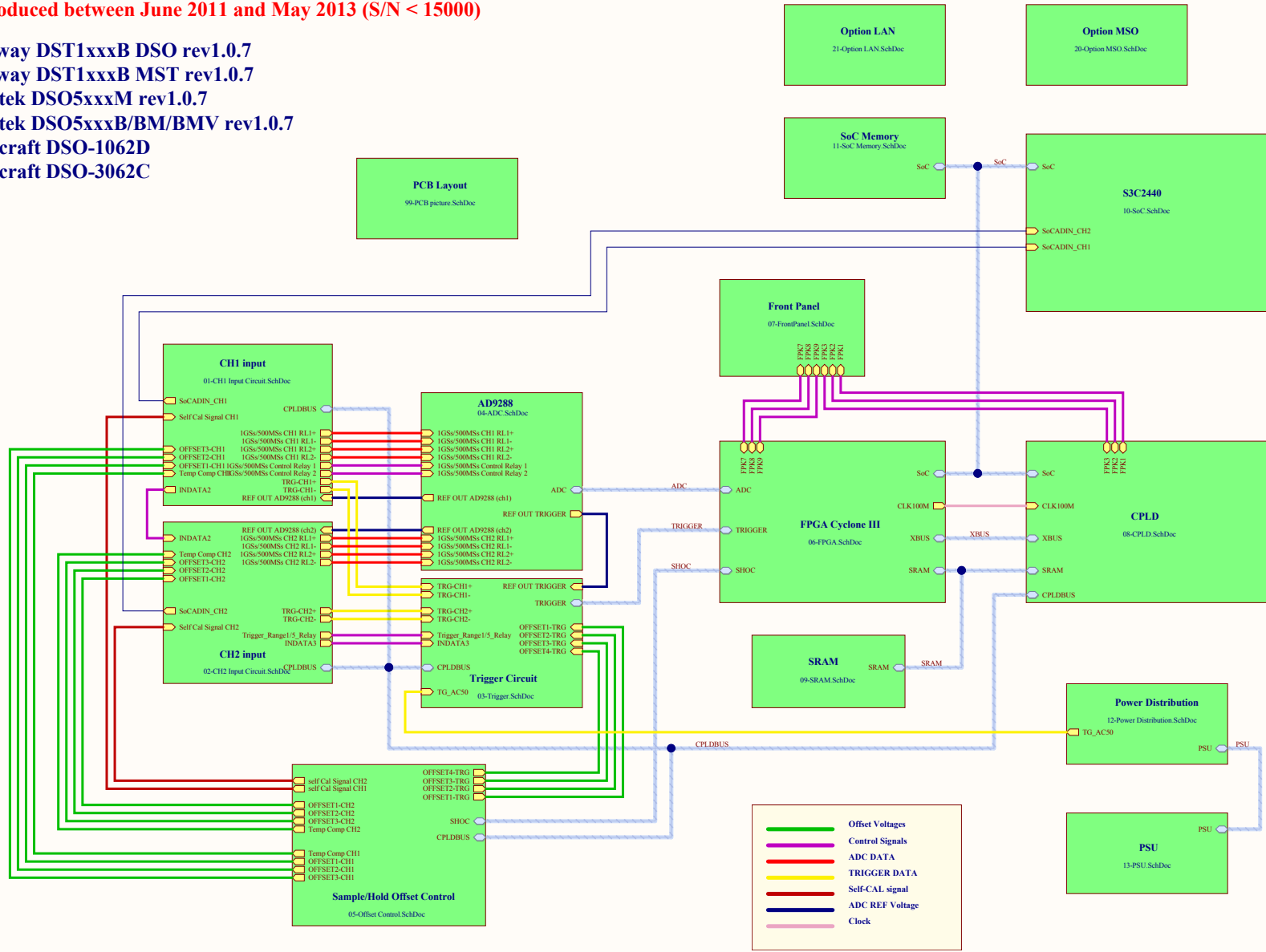
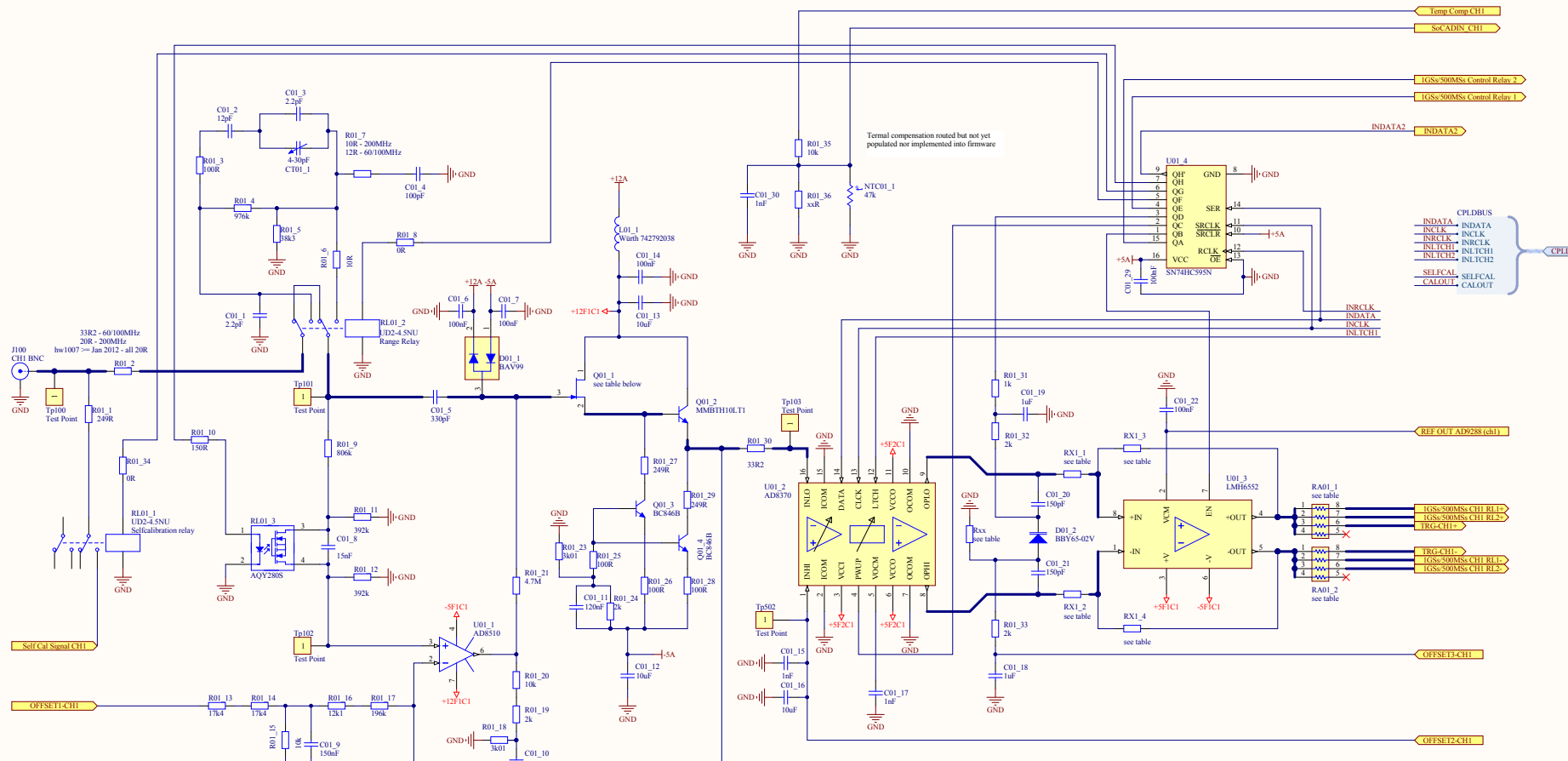


DSOs produced between June 2011 and May 2013 (S/N < 15000)

Tekway DST1xxxB DSO rev1.0.7
Tekway DST1xxxB MST rev1.0.7
Hantek DSO5xxxM rev1.0.7
Hantek DSO5xxxB/BM/BMV rev1.0.7
Volcraft DSO-1062D
Volcraft DSO-3062C



CH1 Input Circuit



Q01_1
 Hantek DSO5062B hw1007 - Jan 2012
 Voltcraft DSO3062C, DSO1062D

MMBF4393, SNT4393 - CCPBE; CCGBF (CC) marked
 PMBF4392 - W6k, p6k marked
 PMBF4393 - W6G, p6G marked

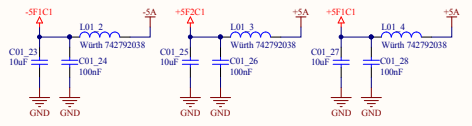
Tekwy DST1062B hw1007 Sep 2011
 BRS5L11G - 60MHz

Tekwy DST1202B hw0100/200MHz
 JSS1201 - PIKJF (PI) marked

Rigol E hw58
 PMBF4308 - 48 marked
 MMBF3901T1 - 6U marked

Rigol CA
 2SK508 - K51 marked

ATTEN CML
 2SK508 - K52 marked



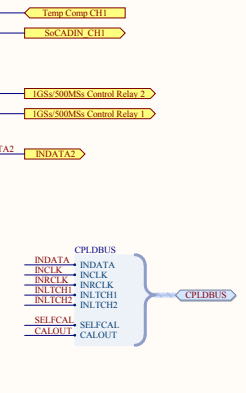
RX1_1 - RX1_2 - RX1_3 - RX1_4
 Hantek / Tekwy
 200MHz - 280R 0.1%
 100MHz - 301R 0.1%
 60MHz - 365R 0.1%

original circuit have no Rxx !

Tinhead@evblog.com version
 200MHz - 270R 0.1%
 add 2k2 as Rxx

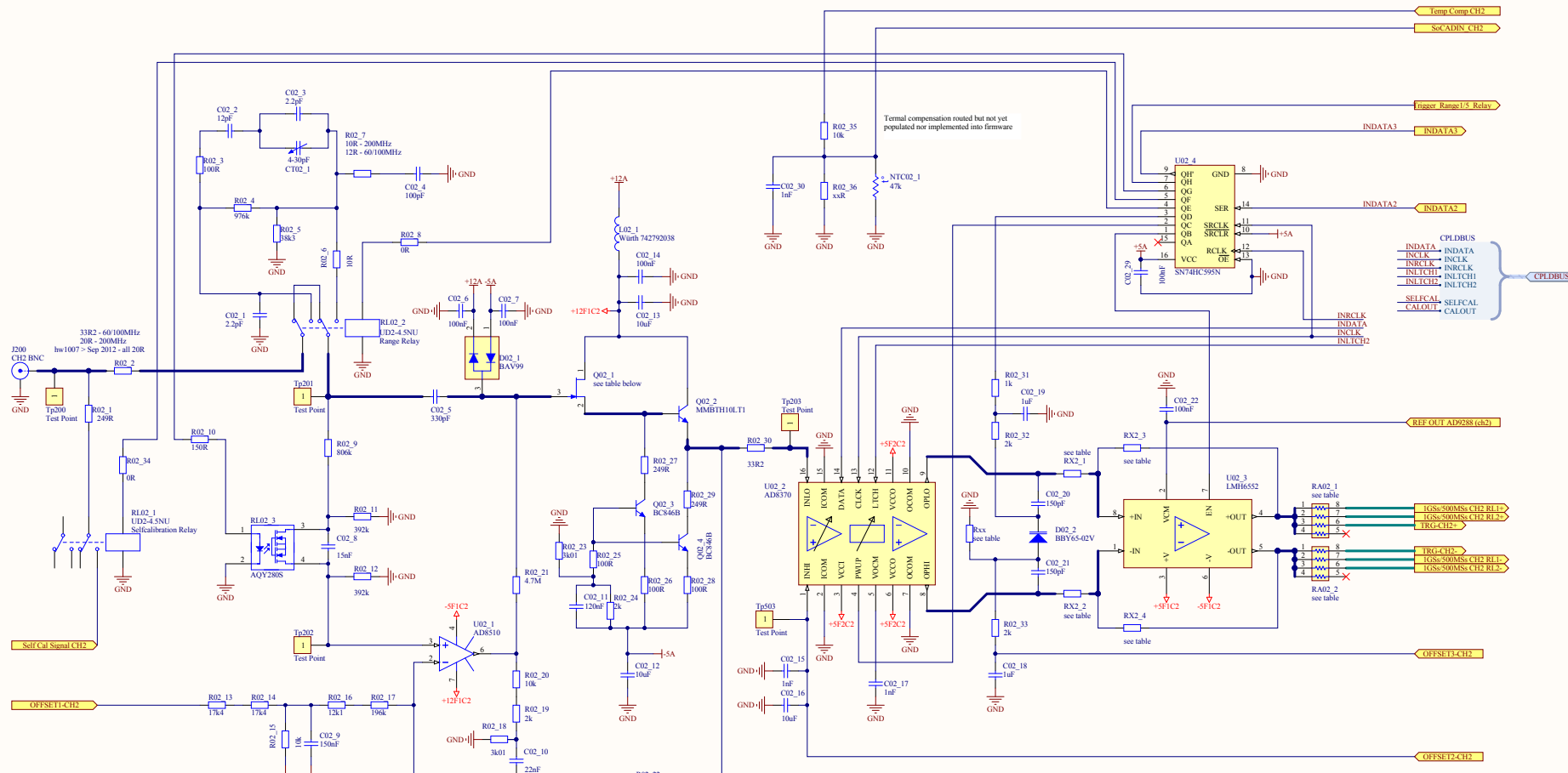
RA01_1 - RA01_2
 Hantek / Tekwy
 200MHz - 33R 1%
 100MHz - 39R 1%
 60MHz - 47R 1%

Tinhead@evblog.com version
 200MHz - 33R 1%
 All hw1007 - Jan 2012
 280R 0.1%

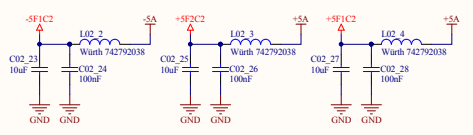


Termal compensation routed but not yet populated nor implemented into firmware

CH2 Input Circuit



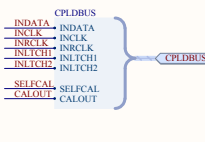
Q02_1
 Hantek DSO58G2B hw1007 -- Jun 2012
 Voltcraft DSO3862C, DSO1062D
 MMBF4393, SST493 - CCPBE; CCGBF (CC) marked
 PMBF4392 - W6k, p6k marked
 PMBF4393 - W6G, p6G marked
 Tekway DST1062B hw1007 Sep 2011
 BSKS81.TIG - 60MHz
 Tekway DST1202B hw100 200MHz
 JSS1201 - PIKIF (PI) marked
 Rigol E hw58
 PMBF4398 - 48 marked
 MMBF4399.T1 - 61 marked
 Rigol CA
 2SK508 - K51 marked
 ATEN CML
 2SK508 - K52 marked



RX2_1 - RX2_2 - RX2_3 - RX2_4
 Hantek / Tekway
 200MHz - 280R 0.1%
 100MHz - 201R 0.1%
 60MHz - 365R 0.1%
 original circuit have no Rxx !
 Tinhead@evblog.com version
 200MHz - 270R 0.1%
 add 2k2 as Rxx
 All hw1007 -- Jun 2012
 280R 0.1%

RA02_1 - RA02_2
 Hantek / Tekway
 200MHz - 238R 1%
 100MHz - 398 1%
 60MHz - 47R 1%
 Tinhead@evblog.com version
 200MHz - 33R 1%
 All hw1007 -- Jun 2012
 22R 1%

Thermal compensation routed but not yet populated nor implemented into firmware



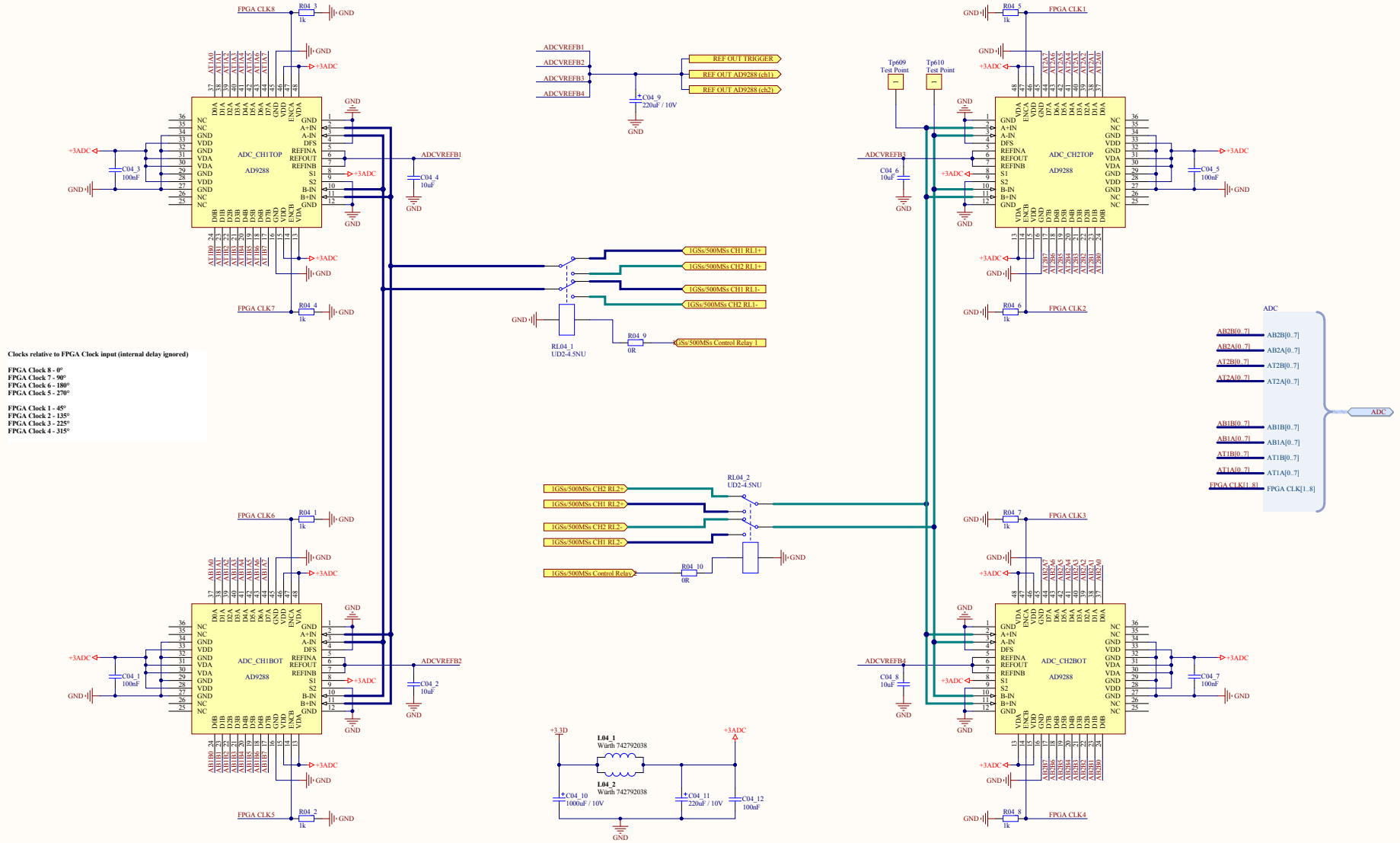
REF OUT AD2588 (d2)



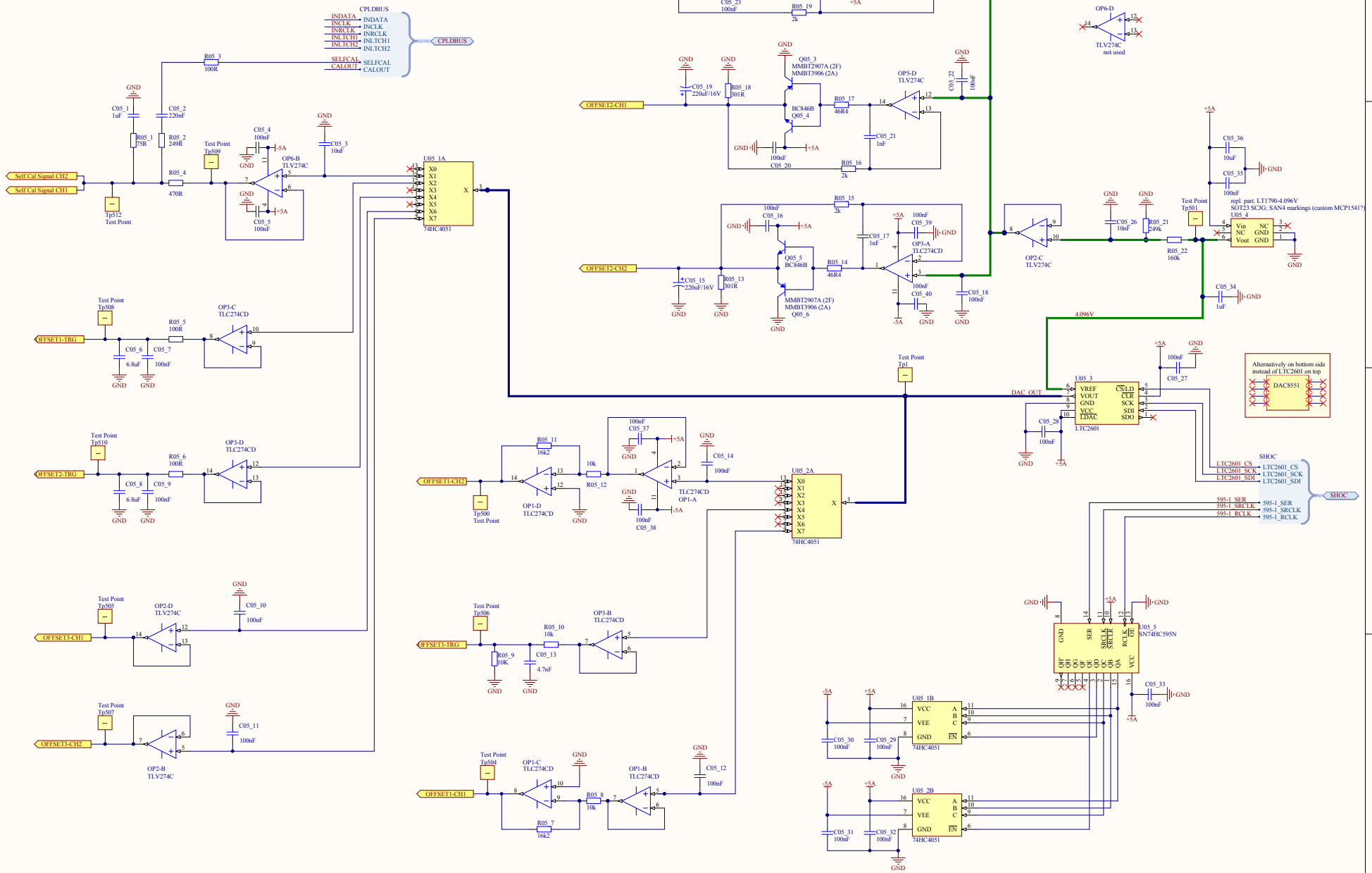
OFFSE13-CH2

OFFSE12-CH2

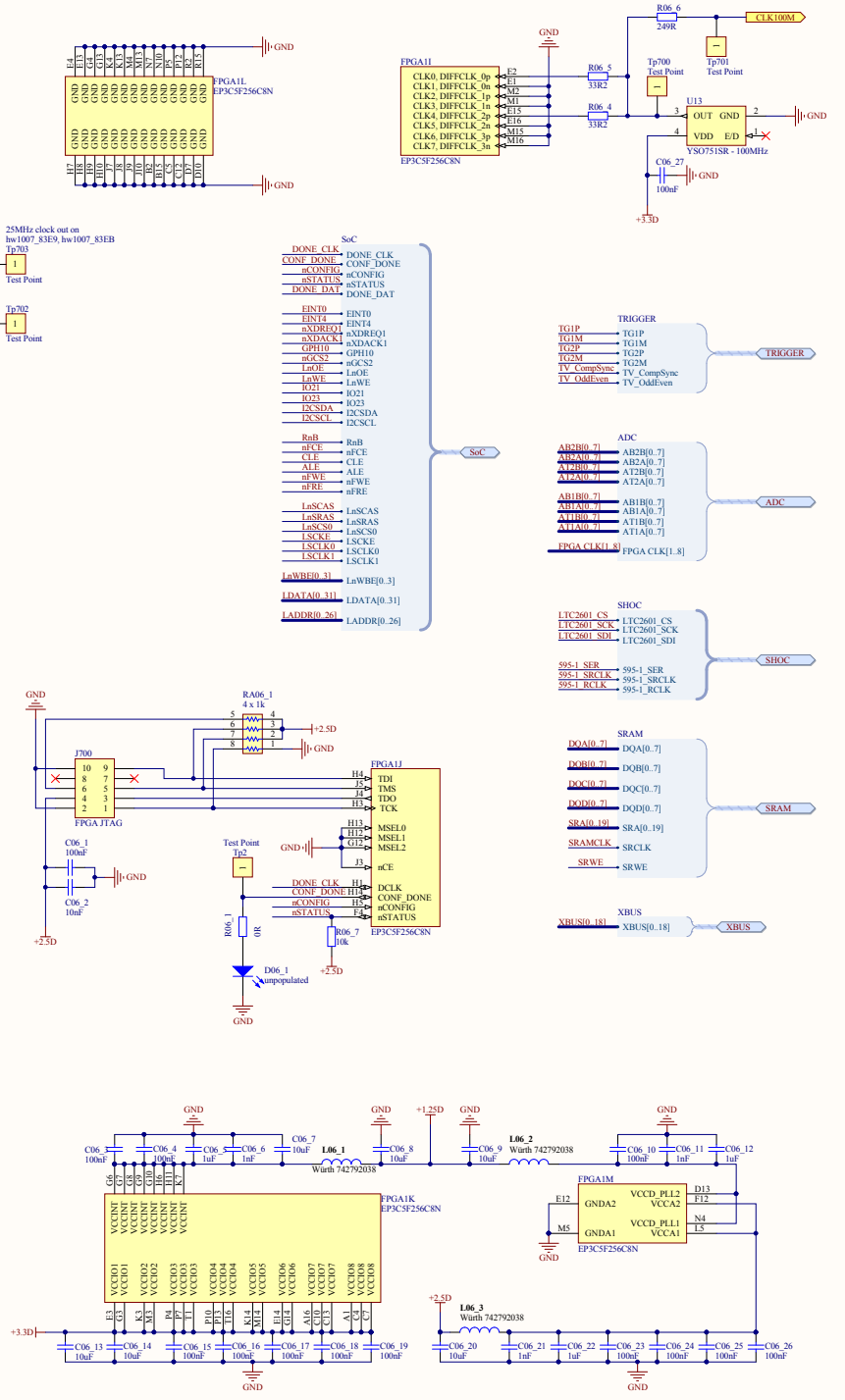
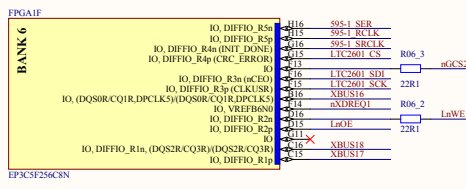
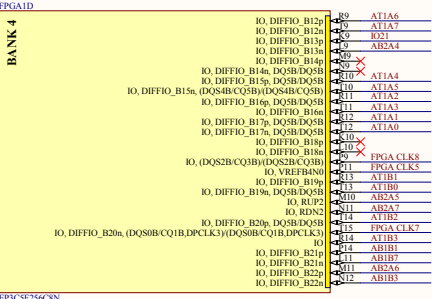
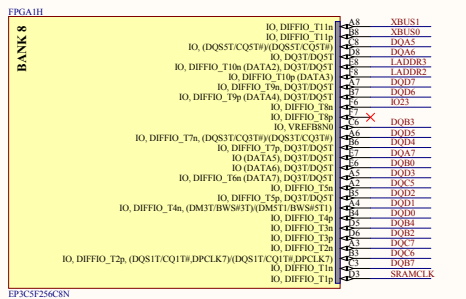
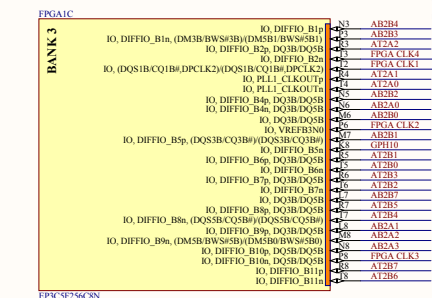
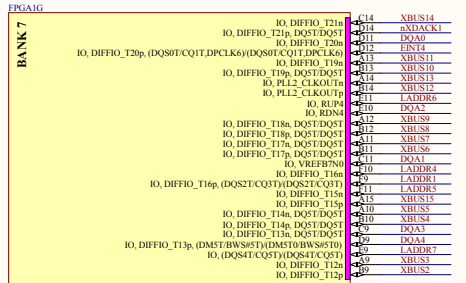
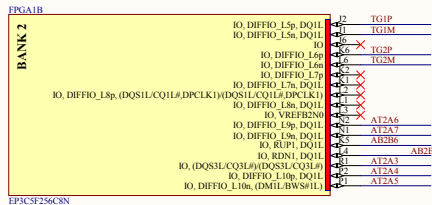
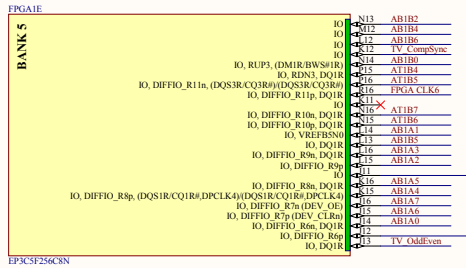
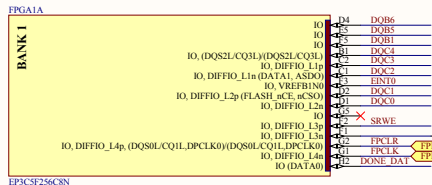
ADC Circuit



Sample/Hold Offset Control



FPGA Circuit



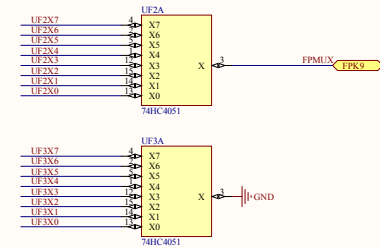
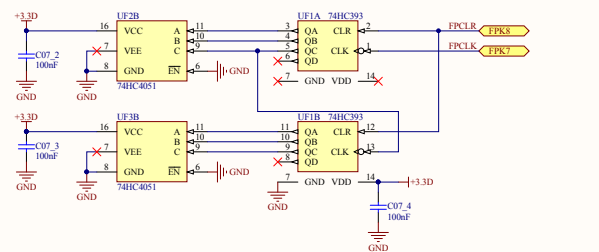
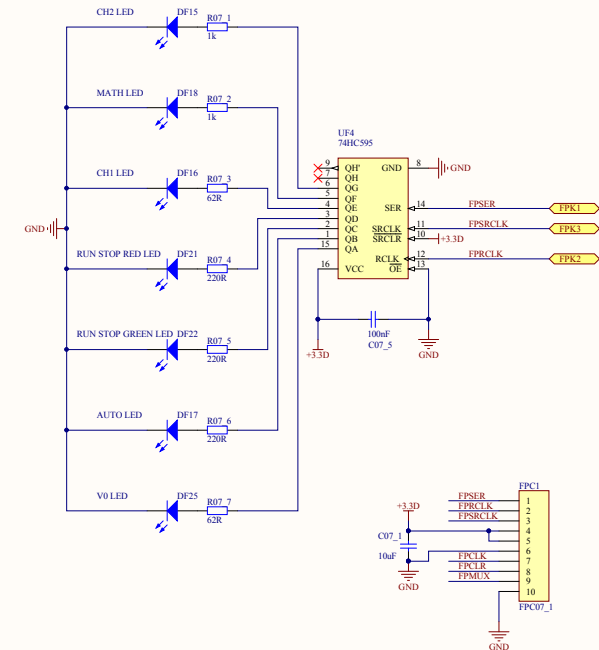
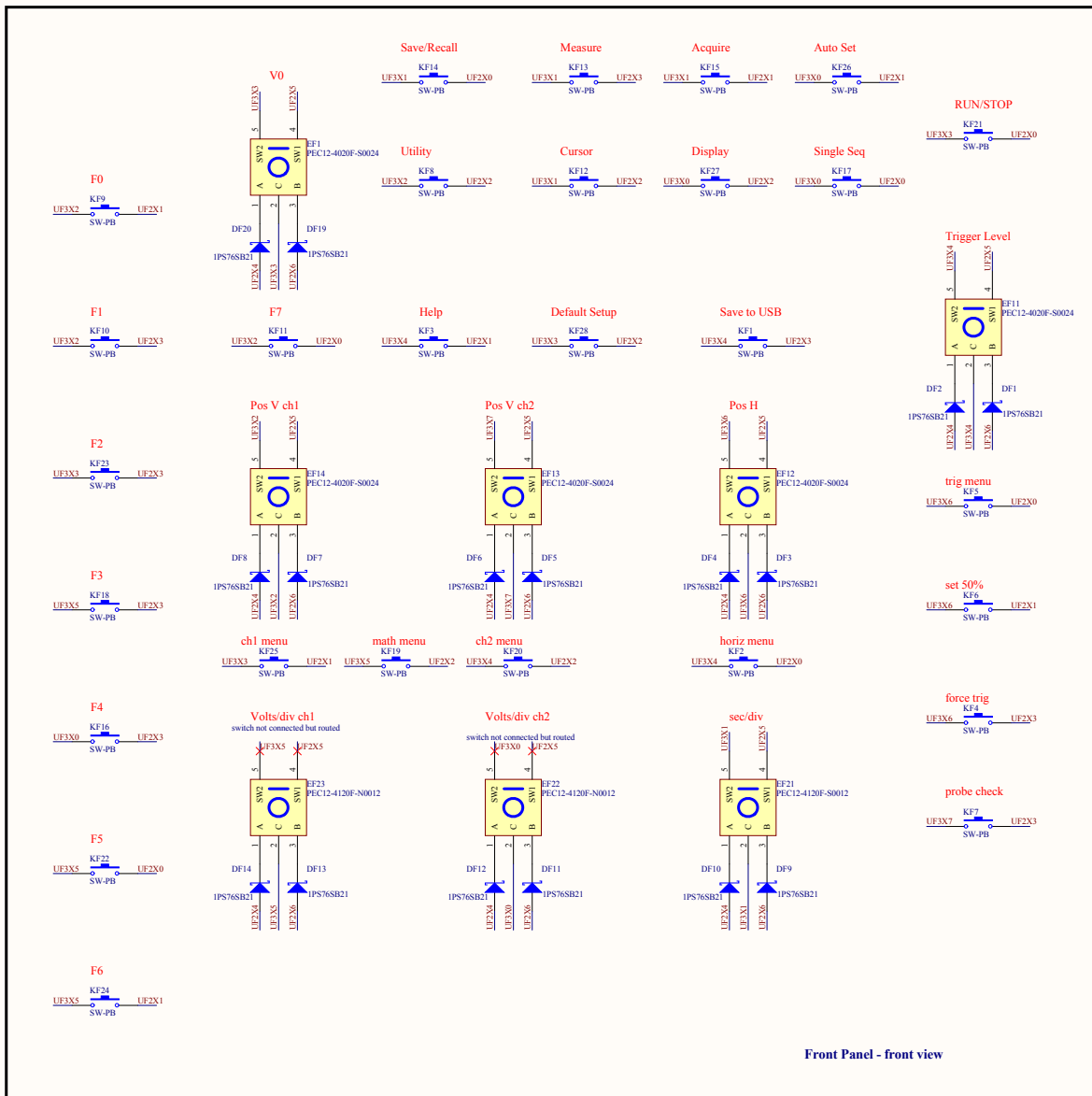
SoC

DONE_CLK	DONE_CLK
CONF_DONE	CONF_DONE
nCONFG	nCONFG
nSTATUS	nSTATUS
DONE_DAT	DONE_DAT
EN10	EN10
EN14	EN14
nDREQ01	nDREQ01
nDACK1	nDACK1
GPIO0	GPIO0
GPIO10	GPIO10
GPIO11	GPIO11
GPIO12	GPIO12
GPIO13	GPIO13
GPIO14	GPIO14
GPIO15	GPIO15
GPIO16	GPIO16
GPIO17	GPIO17
GPIO18	GPIO18
GPIO19	GPIO19
GPIO20	GPIO20
GPIO21	GPIO21
GPIO22	GPIO22
GPIO23	GPIO23
GPIO24	GPIO24
GPIO25	GPIO25
GPIO26	GPIO26
GPIO27	GPIO27
GPIO28	GPIO28
GPIO29	GPIO29
GPIO30	GPIO30
GPIO31	GPIO31
GPIO32	GPIO32
GPIO33	GPIO33
GPIO34	GPIO34
GPIO35	GPIO35
GPIO36	GPIO36
GPIO37	GPIO37
GPIO38	GPIO38
GPIO39	GPIO39
GPIO40	GPIO40
GPIO41	GPIO41
GPIO42	GPIO42
GPIO43	GPIO43
GPIO44	GPIO44
GPIO45	GPIO45
GPIO46	GPIO46
GPIO47	GPIO47
GPIO48	GPIO48
GPIO49	GPIO49
GPIO50	GPIO50
GPIO51	GPIO51
GPIO52	GPIO52
GPIO53	GPIO53
GPIO54	GPIO54
GPIO55	GPIO55
GPIO56	GPIO56
GPIO57	GPIO57
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GPIO75	GPIO75
GPIO76	GPIO76
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GPIO78	GPIO78
GPIO79	GPIO79
GPIO80	GPIO80
GPIO81	GPIO81
GPIO82	GPIO82
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GPIO84	GPIO84
GPIO85	GPIO85
GPIO86	GPIO86
GPIO87	GPIO87
GPIO88	GPIO88
GPIO89	GPIO89
GPIO90	GPIO90
GPIO91	GPIO91
GPIO92	GPIO92
GPIO93	GPIO93
GPIO94	GPIO94
GPIO95	GPIO95
GPIO96	GPIO96
GPIO97	GPIO97
GPIO98	GPIO98
GPIO99	GPIO99
GPIO100	GPIO100

TRIGGER

TG1P	TG1P
TG1M	TG1M
TG2P	TG2P
TG2M	TG2M
TG3P	TG3P
TG3M	TG3M
TG4P	TG4P
TG4M	TG4M
TG5P	TG5P
TG5M	TG5M
TG6P	TG6P
TG6M	TG6M
TG7P	TG7P
TG7M	TG7M
TG8P	TG8P
TG8M	TG8M
TG9P	TG9P
TG9M	TG9M
TG10P	TG10P
TG10M	TG10M
TG11P	TG11P
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TG60M	TG60M
TG61P	TG61P
TG61M	TG61M
TG62P	TG62P
TG62M	TG62M
TG63P	TG63P
TG63M	TG63M
TG64P	TG64P

Front Panel Circuit



CPLD Circuit

A

B

C

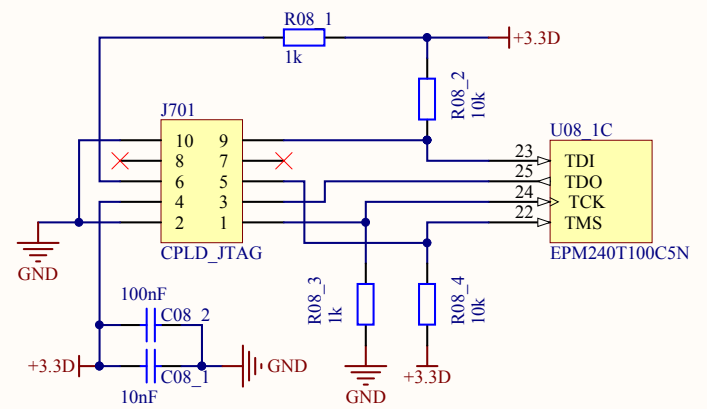
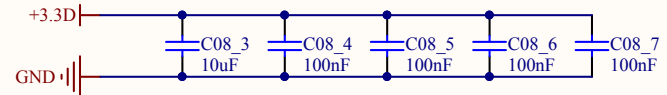
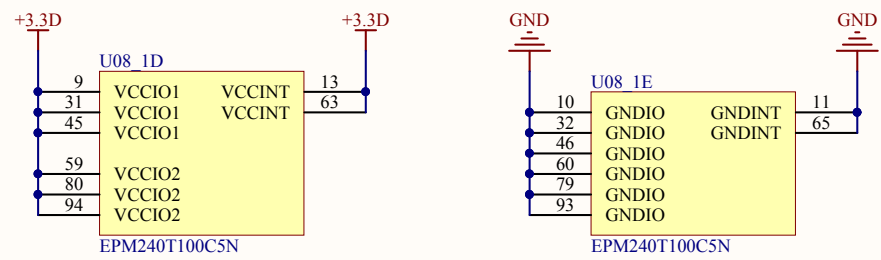
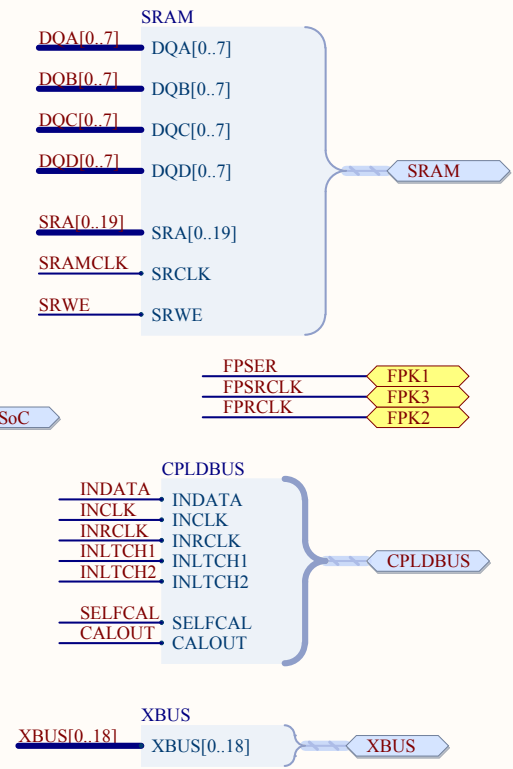
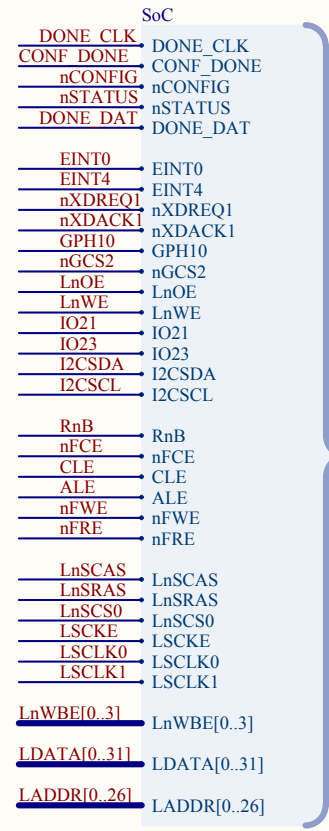
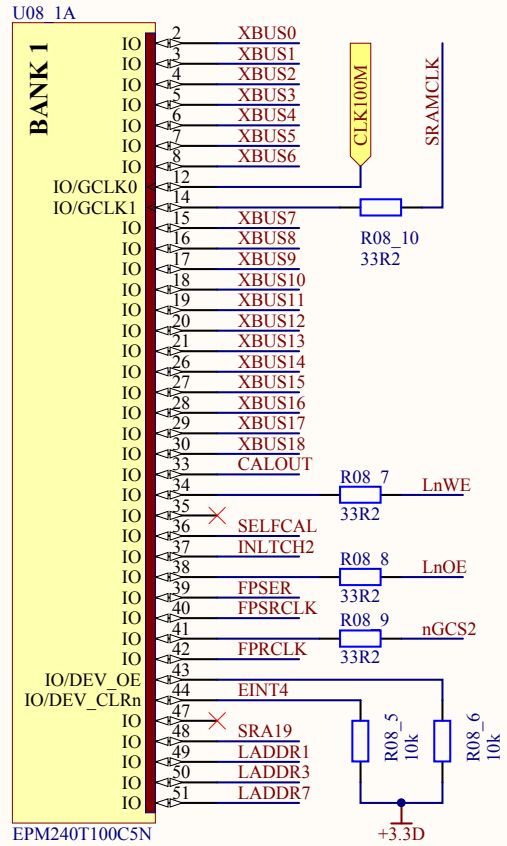
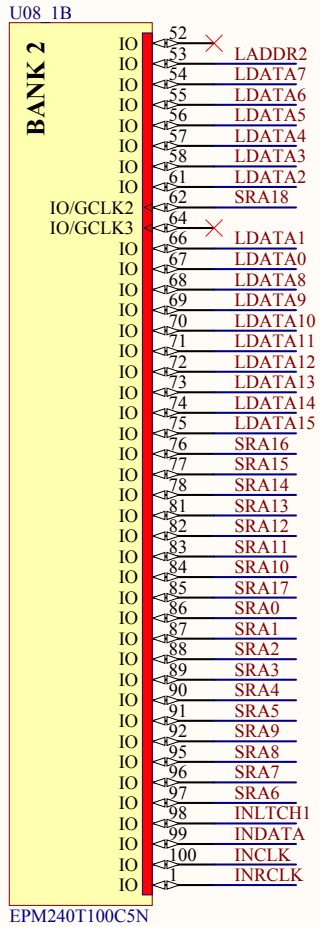
D

A

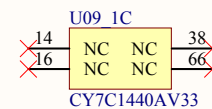
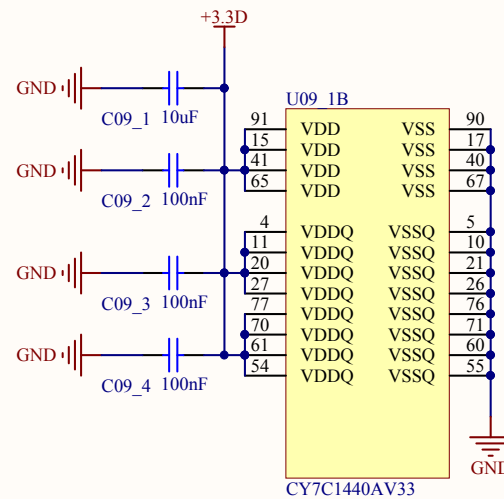
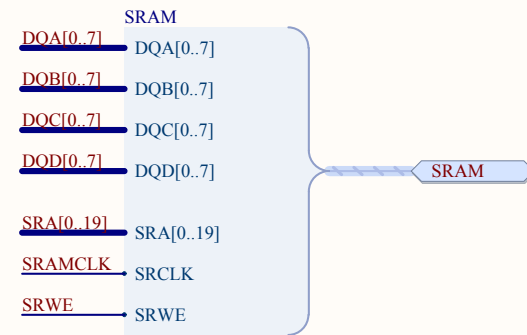
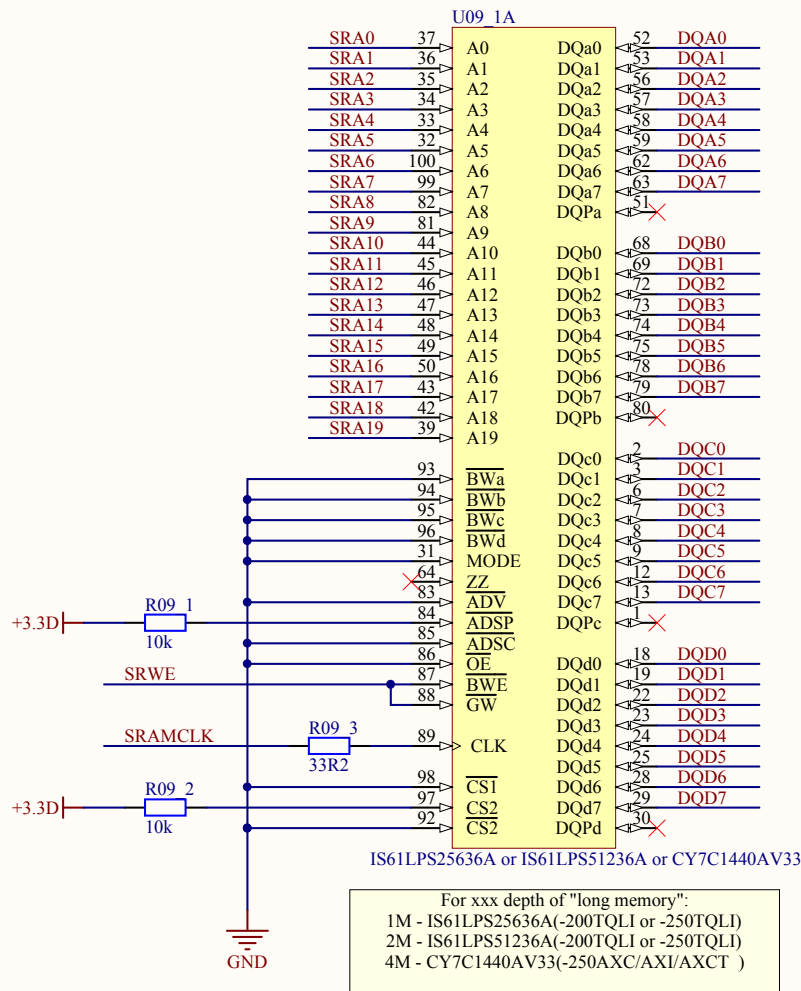
B

C

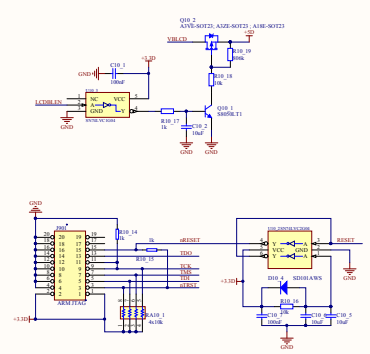
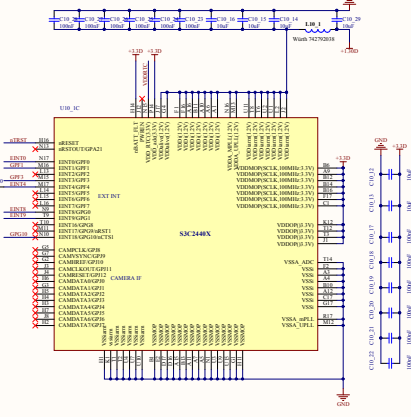
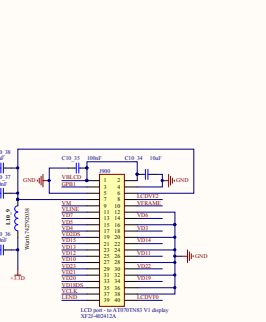
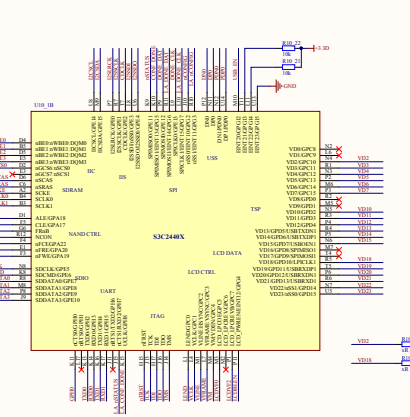
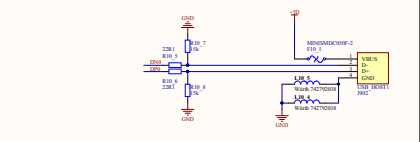
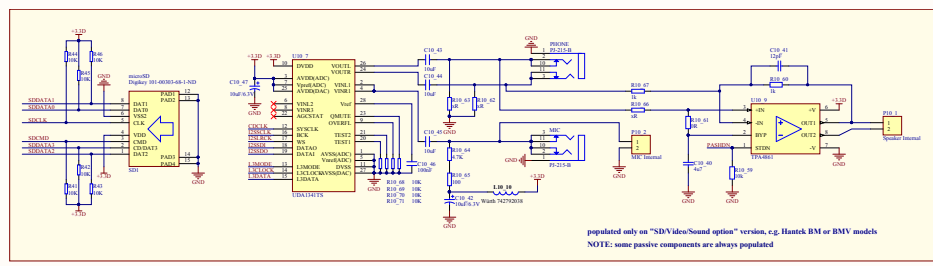
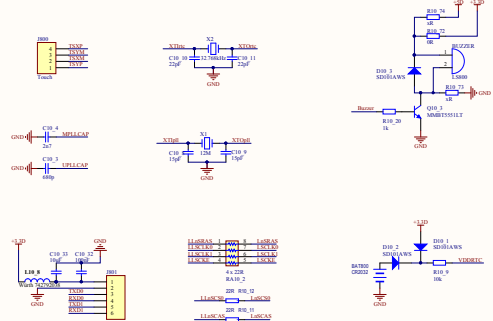
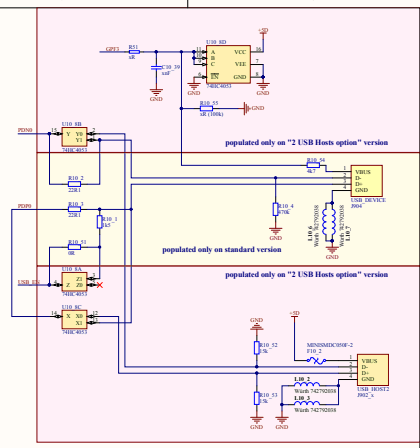
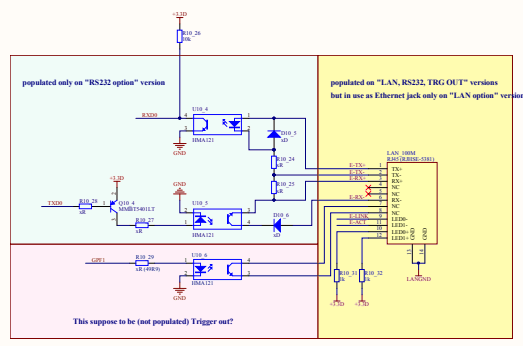
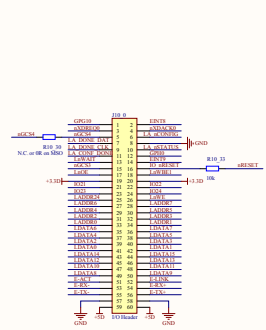
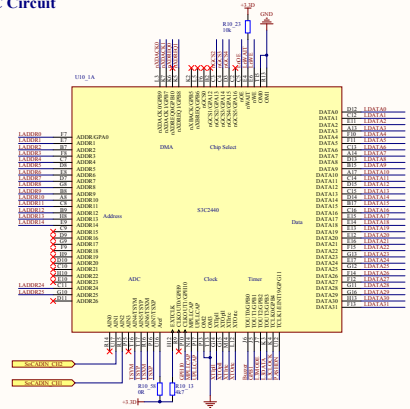
D



SRAM Circuit



SoC Circuit



Pin	Label	Component
1	AVDD	AVDD
2	AVDD	AVDD
3	AVDD	AVDD
4	AVDD	AVDD
5	AVDD	AVDD
6	AVDD	AVDD
7	AVDD	AVDD
8	AVDD	AVDD
9	AVDD	AVDD
10	AVDD	AVDD
11	AVDD	AVDD
12	AVDD	AVDD
13	AVDD	AVDD
14	AVDD	AVDD
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92	AVDD	AVDD
93	AVDD	AVDD
94	AVDD	AVDD
95	AVDD	AVDD
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99	AVDD	AVDD
100	AVDD	AVDD

SoC Memory Circuit

A

A

B

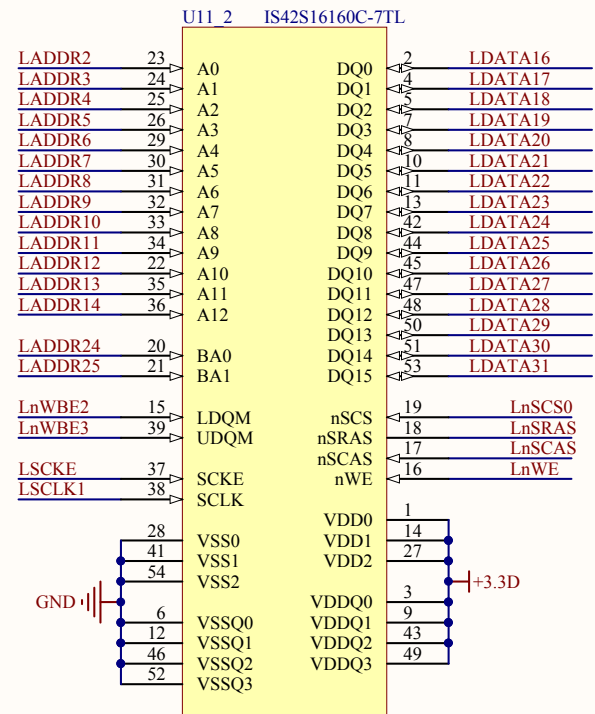
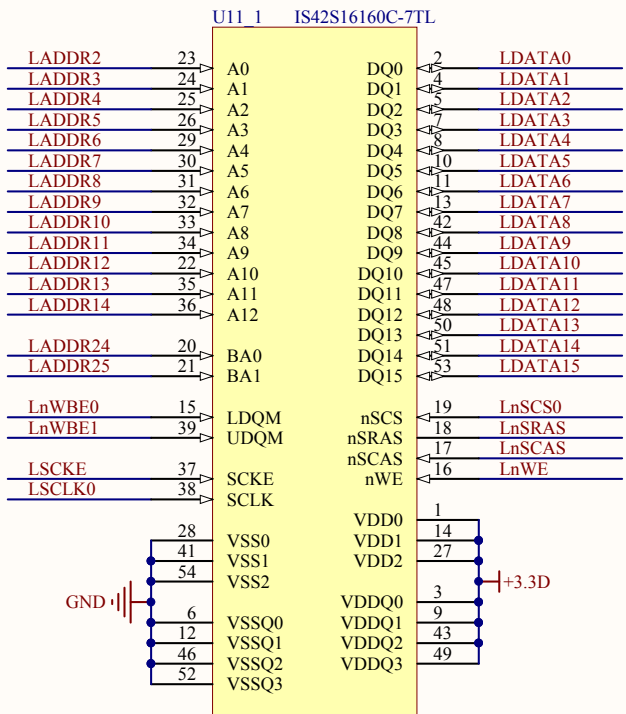
B

C

C

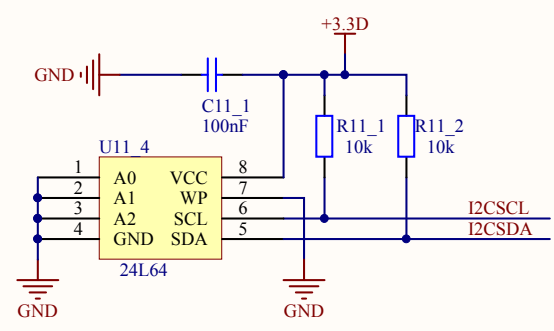
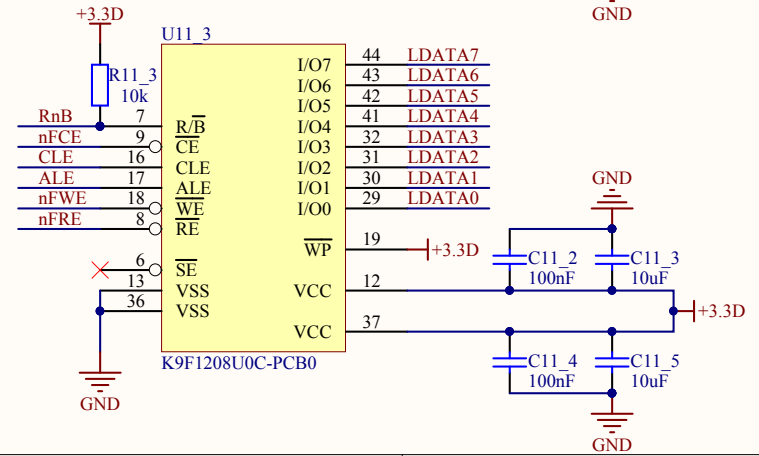
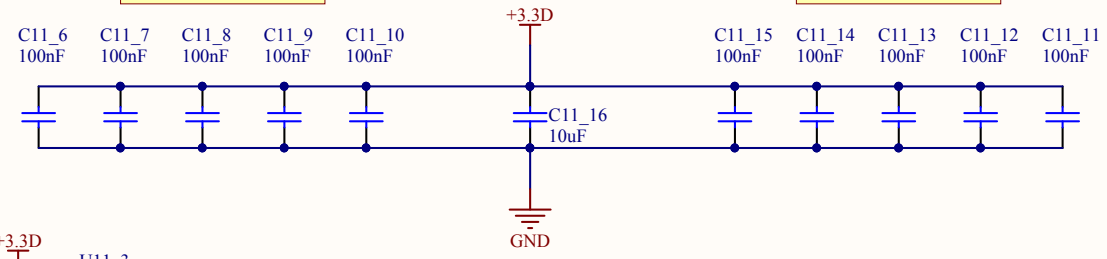
D

D

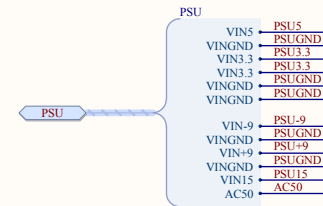
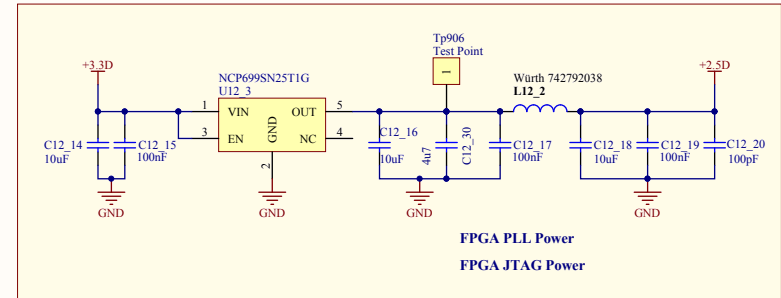
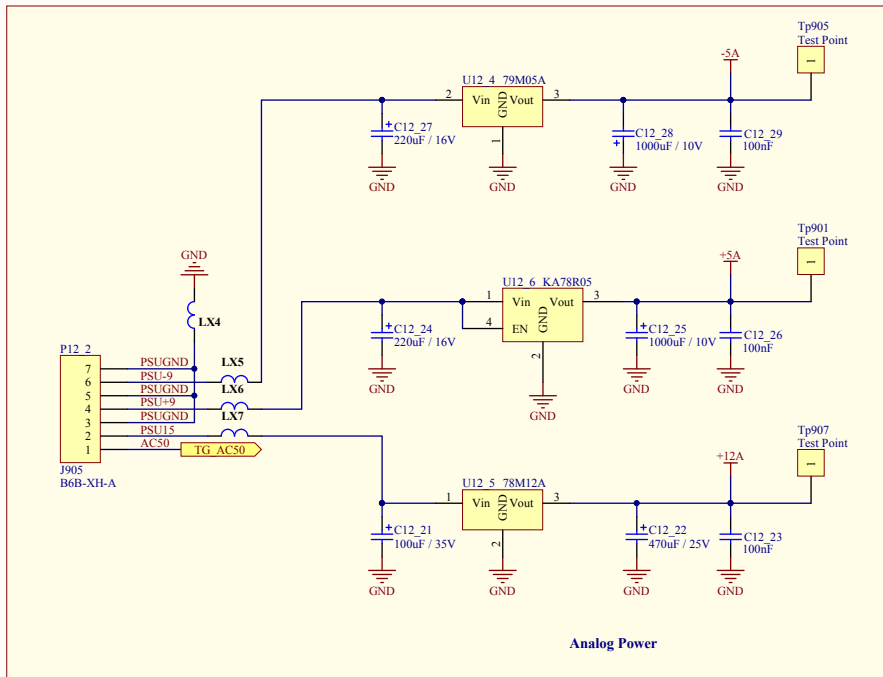
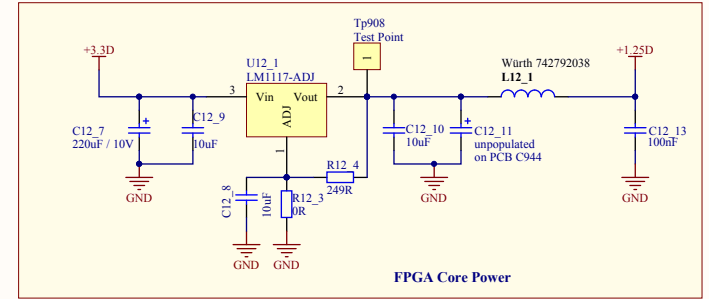
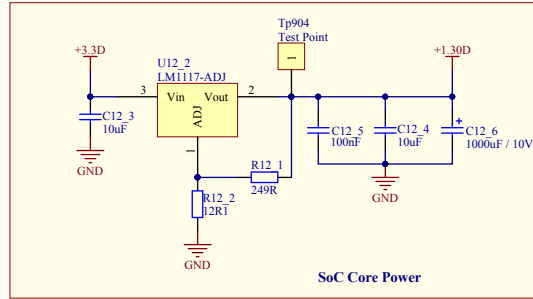
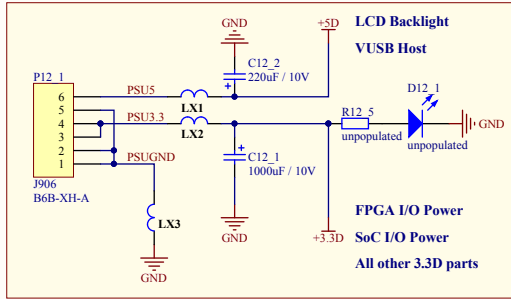


- SoC**
- DONE_CLK DONE_CLK
 - CONF_DONE CONF_DONE
 - nCONFIG nCONFIG
 - nSTATUS nSTATUS
 - DONE_DAT DONE_DAT
 - EINT0 EINT0
 - EINT4 EINT4
 - nXDREQ1 nXDREQ1
 - nXDACK1 nXDACK1
 - GPH10 GPH10
 - nGCS2 nGCS2
 - LnOE LnOE
 - LnWE LnWE
 - IO21 IO21
 - IO23 IO23
 - I2CSDA I2CSDA
 - I2CSCL I2CSCL
 - RnB RnB
 - nFCE nFCE
 - CLE CLE
 - ALE ALE
 - nFWE nFWE
 - nFRE nFRE
 - LnSCAS LnSCAS
 - LnSRAS LnSRAS
 - LnSCS0 LnSCS0
 - LSCKE LSCKE
 - LSCLK0 LSCLK0
 - LSCLK1 LSCLK1
 - LnWBE[0..3] LnWBE[0..3]
 - LDATA[0..31] LDATA[0..31]
 - LADDR[0..26] LADDR[0..26]

SoC



Power Distribution Circuit



Option LAN

