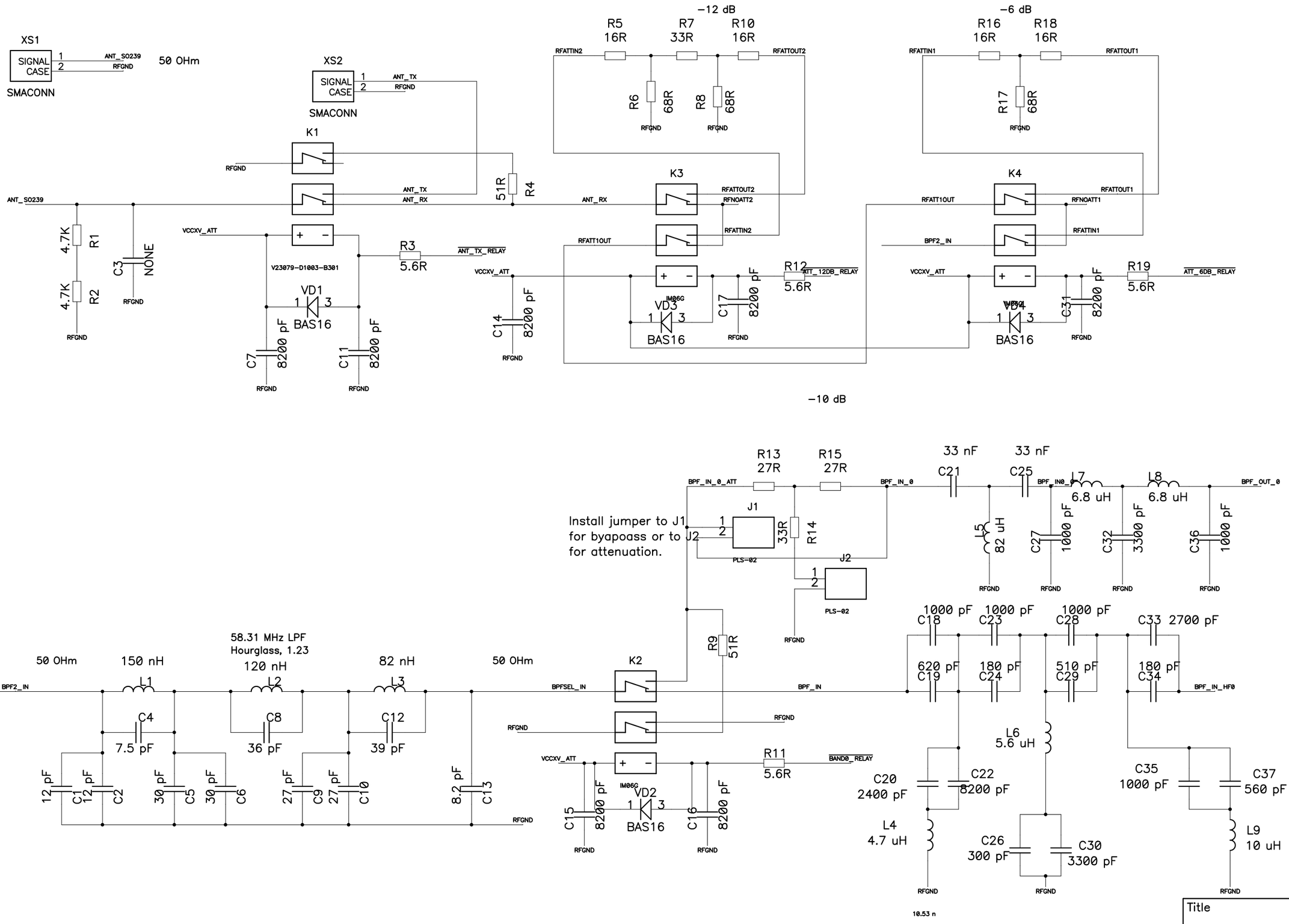
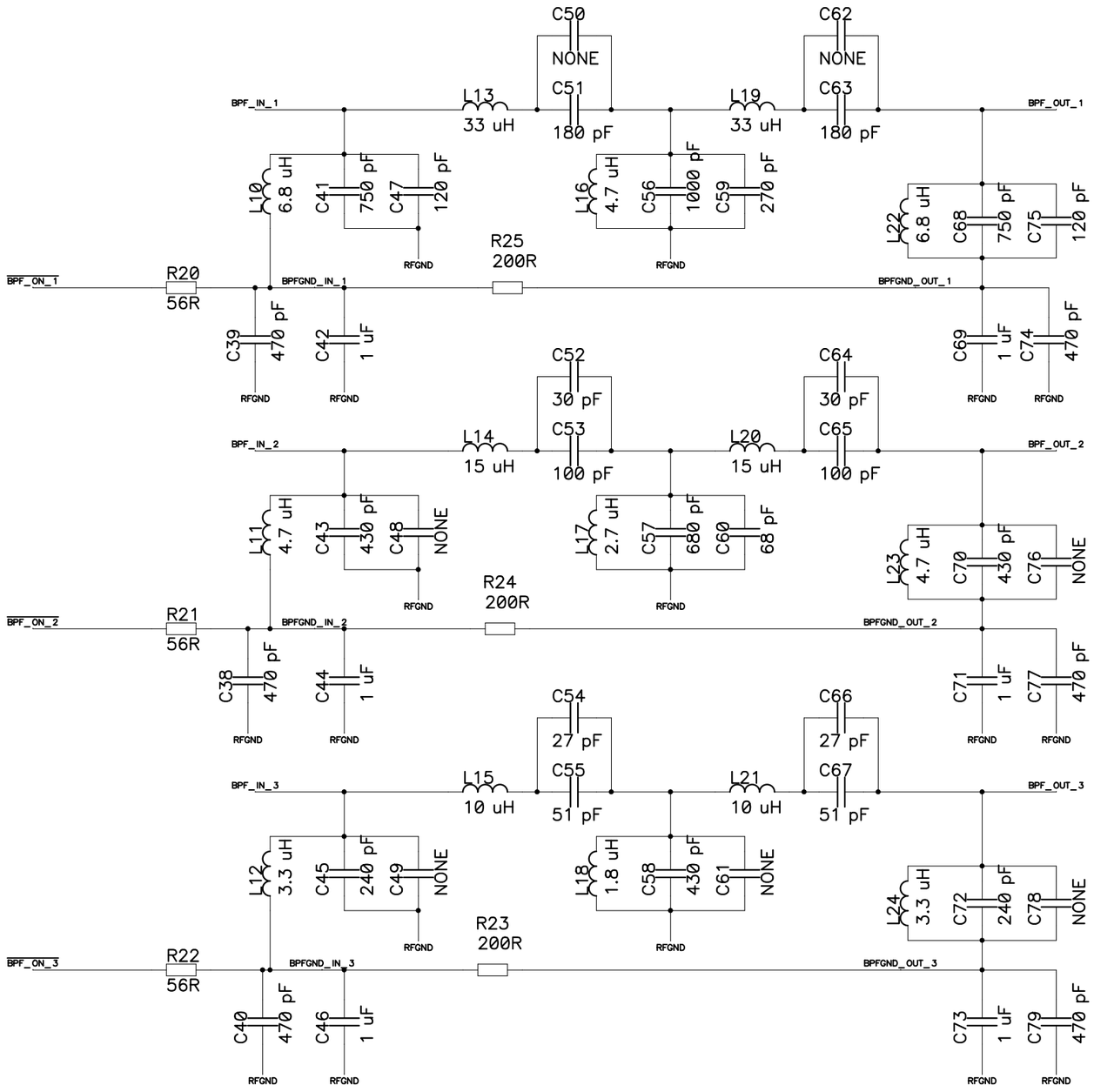
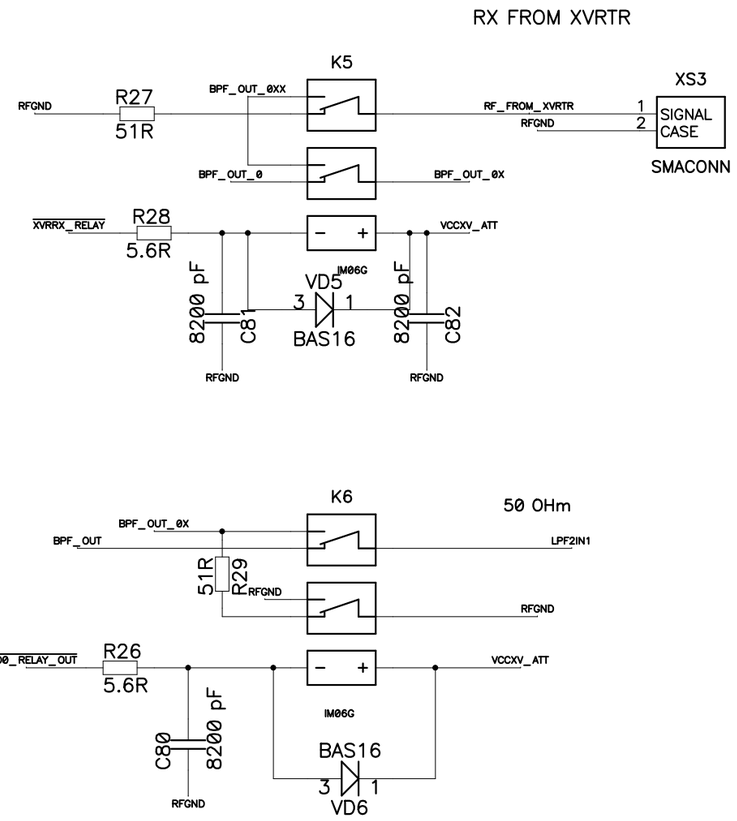
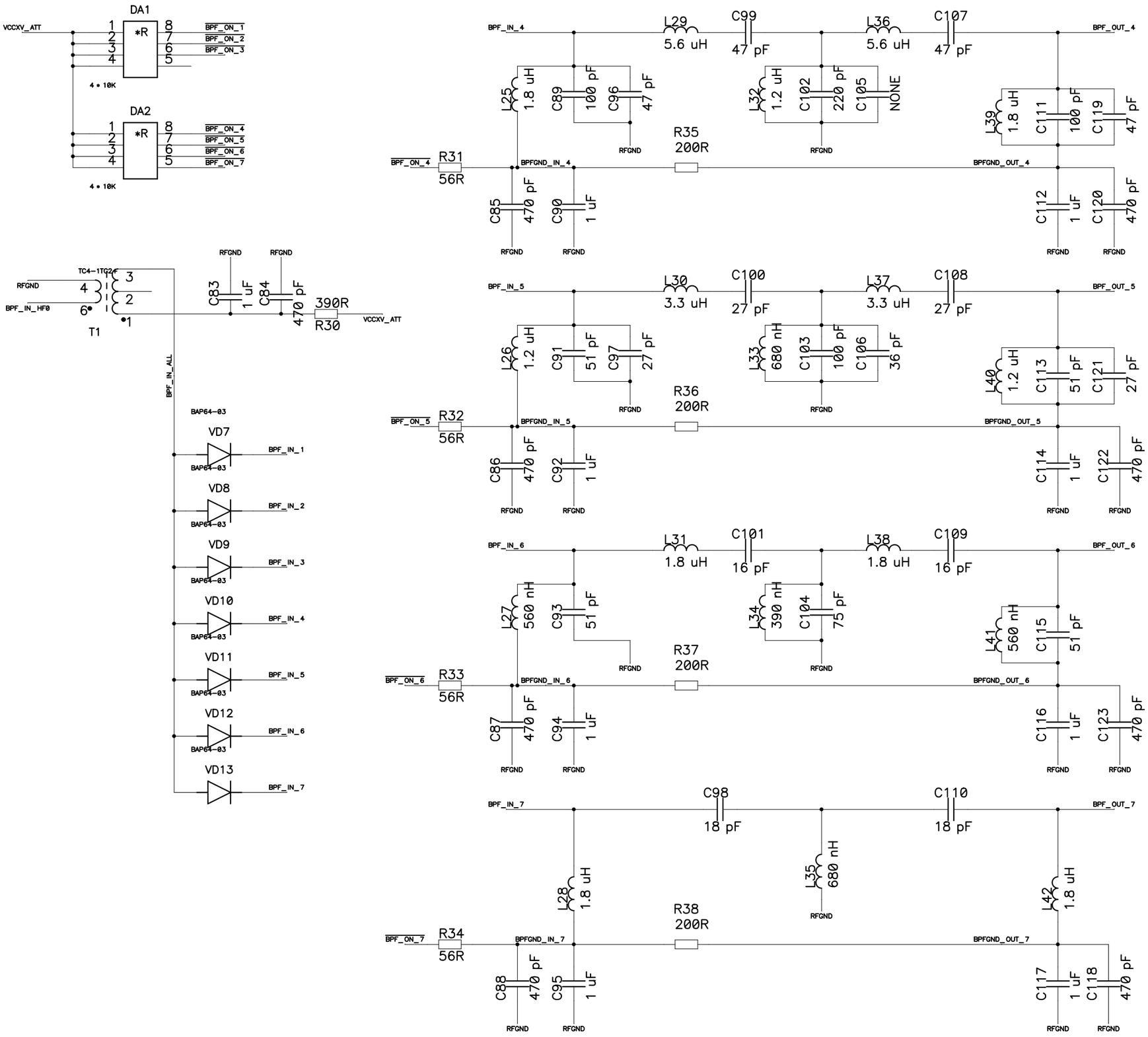

XS1
SIGNAL
CASE
1
2
ANT_SO239
RFGND
SMACONN
50 OHm
XS2
SIGNAL
CASE
1
2
ANT_TX
RFGND
SMACONN
K1
RFGND
ANT_TX
ANT_RX
51R
R4
ANT_SO239
4.7K
R1
4.7K
R2
C3
NONE
RFGND
VCCXV_ATT
V23079-D1003-B301
R3
5.6R
ANT_TX_RELAY
VD1
1
3
BAS16
C7
8200 pF
RFGND
C11
8200 pF
RFGND
-12 dB
R5
16R
R7
33R
R10
16R
RFATTIN2
RFATTOUT2
R6
68R
RFGND
R8
68R
RFGND
K3
ANT_RX
RFATTOUT2
RFNOATT2
RFATTIN2
RFATT1OUT
VCCXV_ATT
C14
8200 pF
RFGND
IM06G
VD3
1
3
BAS16
C17
8200 pF
RFGND
R12
ATT_12DB_RELAY
5.6R
-6 dB
R16
16R
R18
16R
RFATTIN1
RFATTOUT1
R17
68R
RFGND
K4
RFATTOUT1
RFNOATT1
RFATTIN1
RFATT1OUT
BPF2_IN
VCCXV_ATT
IM06G
VD4
1
3
BAS16
C31
8200 pF
RFGND
R19
ATT_6DB_RELAY
5.6R
-10 dB
R13
27R
R15
27R
BPF_IN_0_ATT
BPF_IN_0
J1
1
2
PLS-02
Install jumper to J1
for byapoass or to J2
for attenuation.
33R
R14
J2
1
2
PLS-02
RFGND
33 nF
C21
33 nF
C25
L5
82 uH
RFGND
C27
1000 pF
RFGND
L7
6.8 uH
C32
3300 pF
RFGND
L8
6.8 uH
C36
1000 pF
RFGND
BPF_OUT_0
R9
51R
K2
BPFSEL_IN
BPF_IN
RFGND
VCCXV_ATT
IM06G
VD2
1
3
BAS16
C15
8200 pF
RFGND
C16
8200 pF
RFGND
R11
BAND0_RELAY
5.6R
1000 pF
C18
1000 pF
C23
1000 pF
C28
C33 2700 pF
620 pF
C19
180 pF
C24
510 pF
C29
180 pF
C34
BPF_IN_HF0
L6
5.6 uH
C20
2400 pF
C22
8200 pF
L4
4.7 uH
C26
300 pF
C30
3300 pF
C35
1000 pF
C37
560 pF
L9
10 uH
RFGND
50 OHm
150 nH
L1
58.31 MHz LPF
Hourglass, 1.23
120 nH
L2
82 nH
L3
50 OHm
BPF2_IN
C4
7.5 pF
C8
36 pF
C12
39 pF
12 pF
C1
12 pF
C2
30 pF
C5
30 pF
C6
27 pF
C9
27 pF
C10
8.2 pF
C13
RFGND
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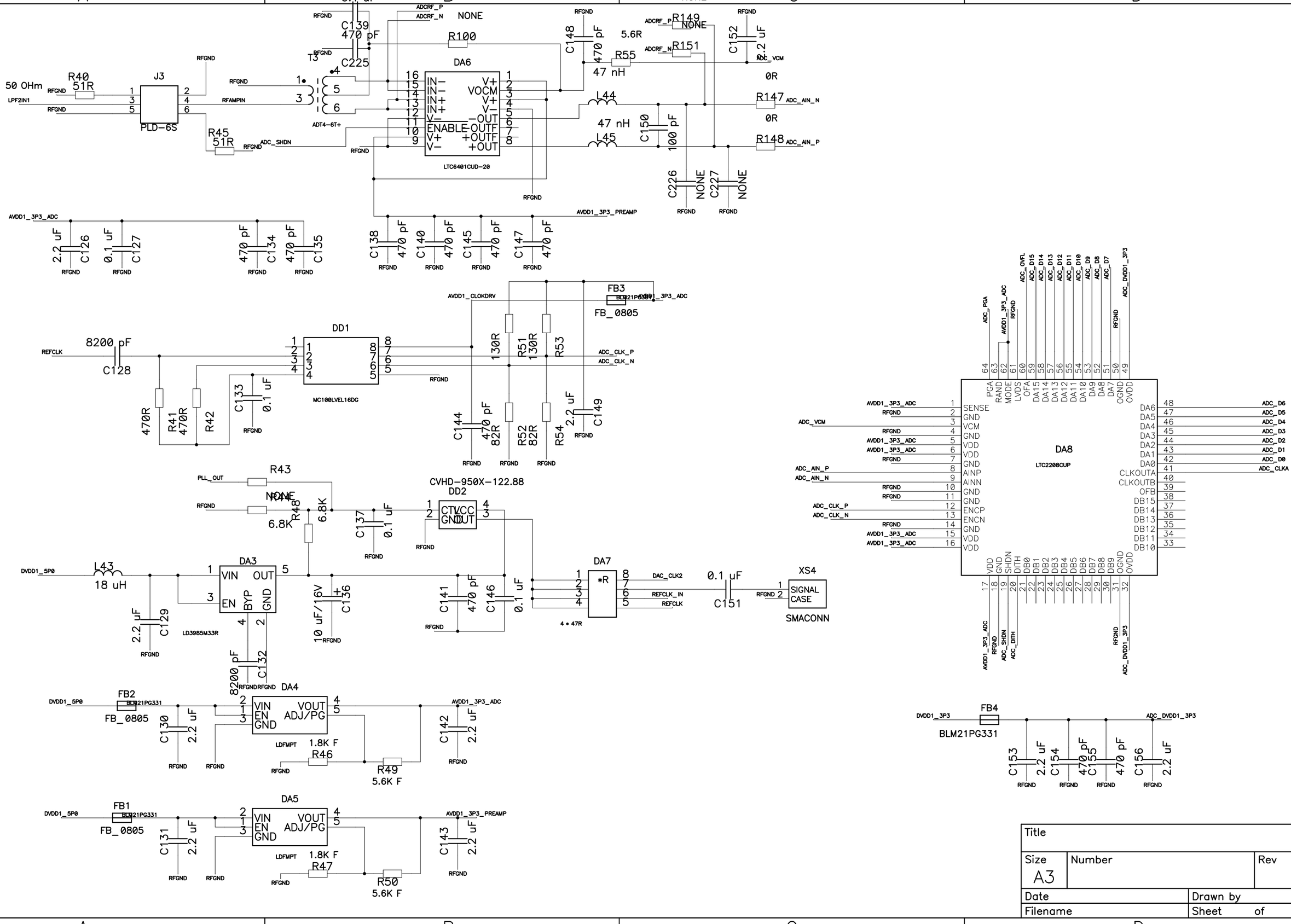


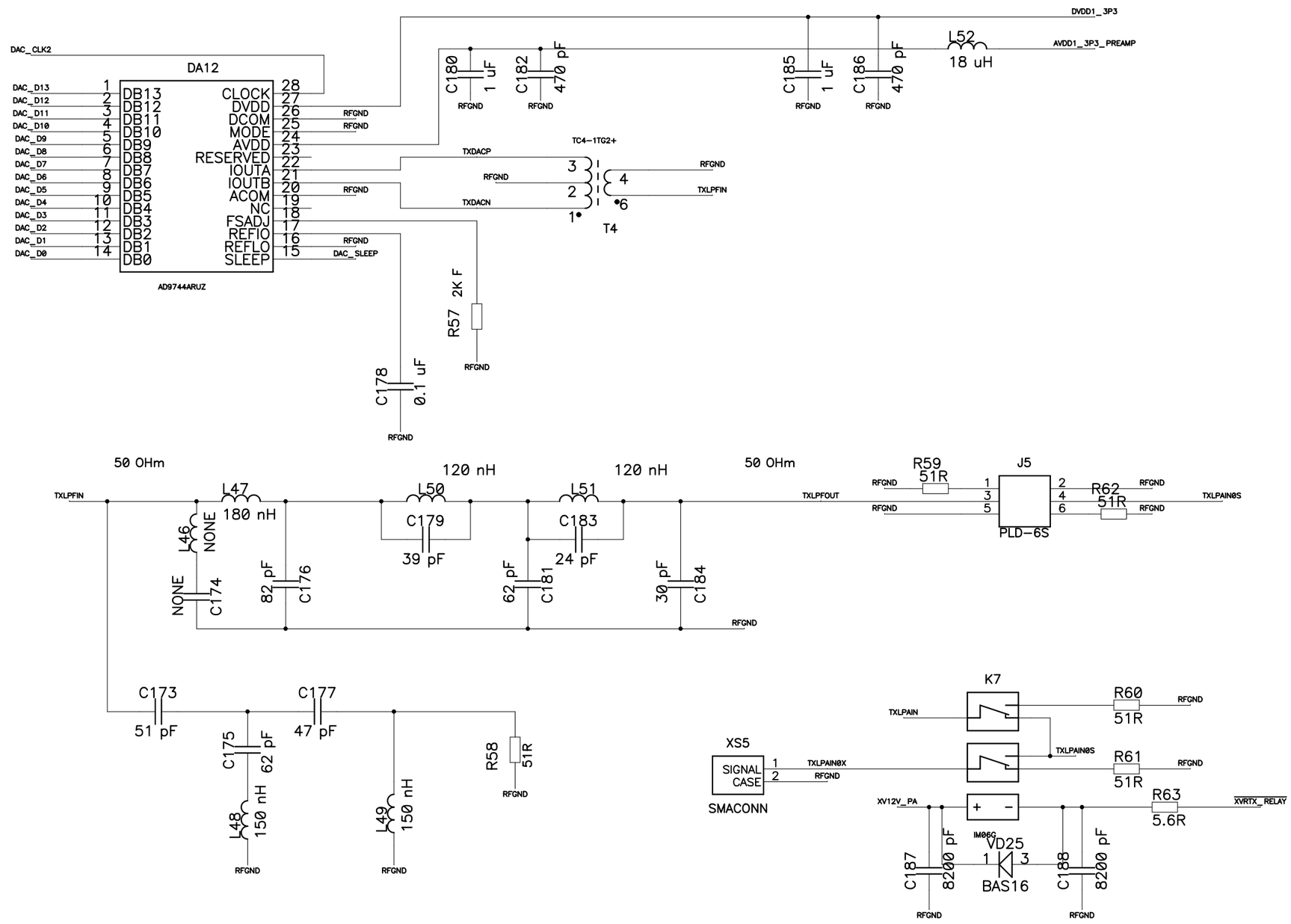


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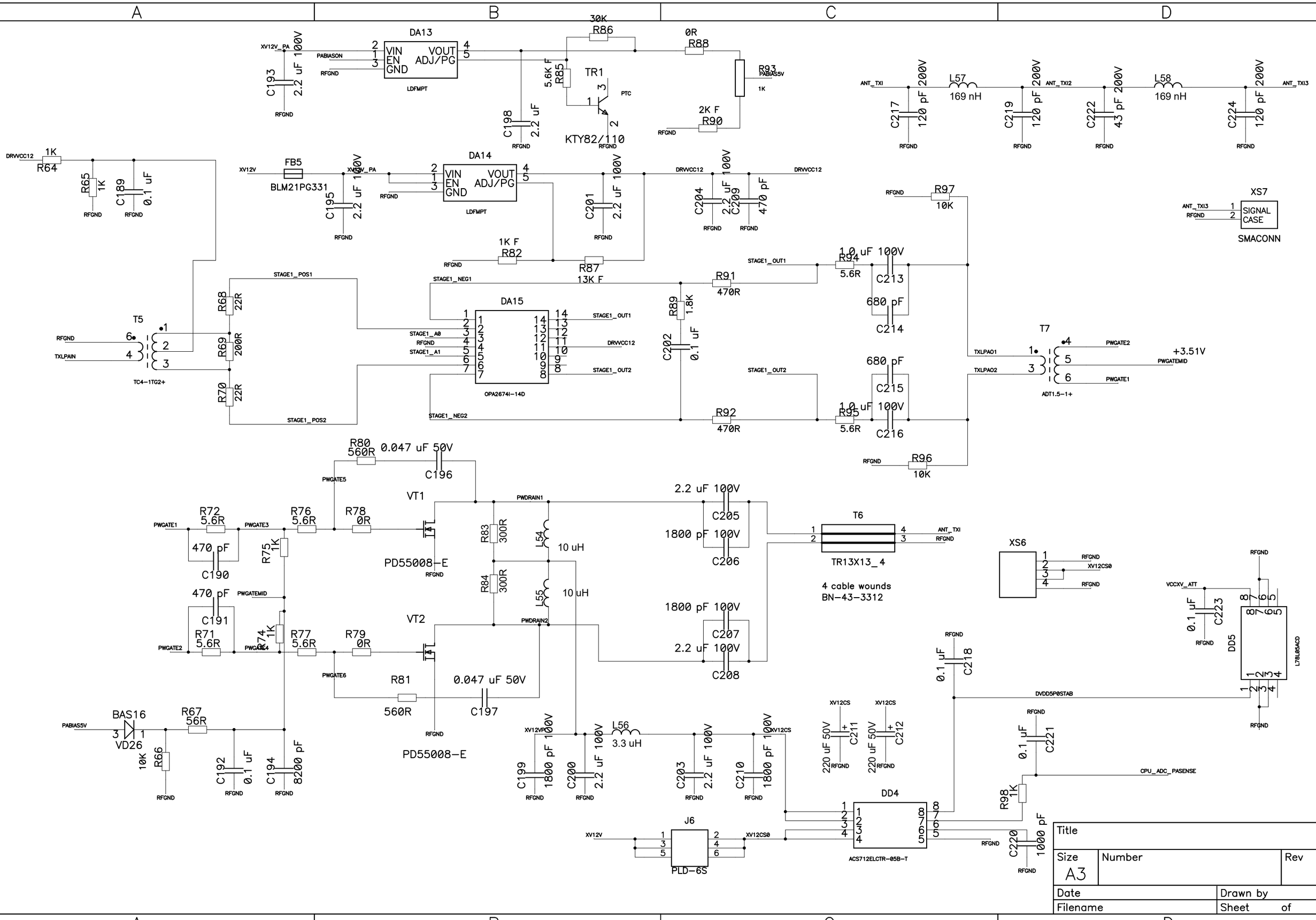


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0.1 uF
C139
470 pF
C225
RFGND
ADCRF_P
ADCRF_N
NONE
R100
R40
51R
50 OHm
J3
PLD-6S
LPF2IN1
RFAMPIN
R45
51R
ADC_SHDN
ADT4-6T+
DA6
LTC6401CUD-20
IN−
IN−
IN+
IN+
V−
ENABLE
V+
V+
VOCM
V+
V−
−OUT
−OUTF
+OUTF
+OUT
C148
470 pF
R55
47 nH
R149
NONE
5.6R
R151
C152
0.2 uF
ADC_VCM
0R
L44
47 nH
L45
C150
100 pF
R147
ADC_AIN_N
R148
ADC_AIN_P
C226
NONE
C227
NONE
AVDD1_3P3_ADC
AVDD1_3P3_PREAMP
2.2 uF
C126
0.1 uF
C127
470 pF
C134
470 pF
C135
C138
470 pF
C140
470 pF
C145
470 pF
C147
470 pF
FB3
BLM21PG331
FB_0805
AVDD1_CLOKDRV
DD1
MC100LVEL16DG
REFCLK
8200 pF
C128
C133
0.1 uF
470R
R41
470R
R42
130R
R51
130R
R53
ADC_CLK_P
ADC_CLK_N
C144
470 pF
82R
R52
82R
R54
2.2 uF
C149
R43
NONE
PLL_OUT
R48
6.8K
6.8K
C137
0.1 uF
CVHD-950X-122.88
DD2
CTL
VCC
GND
OUT
DA3
LD3985M33R
DVDD1_5P0
L43
18 uH
VIN
OUT
EN
BYP
GND
2.2 uF
C129
10 uF/16V
C136
8200 pF
C132
DA7
*R
4 * 47R
DAC_CLK2
REFCLK_IN
REFCLK
C141
470 pF
C146
0.1 uF
0.1 uF
C151
XS4
SIGNAL
CASE
SMACONN
DA4
FB2
BLM21PG331
FB_0805
VIN
EN
GND
VOUT
ADJ/PG
LDFMPT
1.8K F
R46
R49
5.6K F
C130
2.2 uF
C142
2.2 uF
DA5
FB1
BLM21PG331
FB_0805
R47
R50
5.6K F
C131
2.2 uF
C143
2.2 uF
DA8
LTC2208CUP
SENSE
GND
VCM
GND
VDD
VDD
GND
AINP
AINN
GND
GND
ENCP
ENCN
GND
VDD
VDD
PGA
RAND
MODE
LVDS
OFA
DA15
DA14
DA13
DA12
DA11
DA10
DA9
DA8
DA7
OGND
OVDD
ADC_OVFL
ADC_D15
ADC_D14
ADC_D13
ADC_D12
ADC_D11
ADC_D10
ADC_D9
ADC_D8
ADC_D7
ADC_DVDD1_3P3
ADC_PGA
VDD
GND
SHDN
DITH
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
DB8
DB9
OGND
OVDD
ADC_D6
ADC_D5
ADC_D4
ADC_D3
ADC_D2
ADC_D1
ADC_D0
ADC_CLKA
CLKOUTA
CLKOUTB
OFB
DB15
DB14
DB13
DB12
DB11
DB10
FB4
BLM21PG331
DVDD1_3P3
ADC_DVDD1_3P3
C153
2.2 uF
C154
470 pF
C155
470 pF
C156
2.2 uF
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DA13
VIN
EN
GND
VOUT
ADJ/PG
LDFMPT
XV12V_PA
PABIASON
RFGND
C193
2.2 uF 100V
R86
30K
R88
0R
R85
5.6K F
TR1
PTC
KTY82/110
C198
2.2 uF
R90
2K F
R93
PABIAS5V
1K
ANT_TXI
L57
169 nH
ANT_TXI2
L58
ANT_TXI3
C217
120 pF 200V
C219
C222
43 pF 200V
C224
DRVVCC12
R64
1K
R65
C189
0.1 uF
DA14
XV12V
FB5
BLM21PG331
C195
C201
C204
C209
470 pF
R82
1K F
R87
13K F
R97
10K
XS7
SIGNAL
CASE
SMACONN
STAGE1_POS1
STAGE1_NEG1
STAGE1_OUT1
R94
5.6R
C213
680 pF
C214
T5
TC4-1TG2+
RFGND
TXLPAIN
R68
22R
R69
200R
R70
22R
DA15
STAGE1_A0
STAGE1_A1
DRVVCC12
STAGE1_OUT2
OPA2674I-14D
R89
1.8K
C202
R91
470R
T7
ADT1.5-1+
TXLPAO1
TXLPAO2
PWGATE2
PWGATEMID
PWGATE1
+3.51V
STAGE1_POS2
STAGE1_NEG2
R92
470R
R95
5.6R
C215
C216
R96
10K
R80
560R
0.047 uF 50V
C196
PWGATE5
VT1
PWDRAIN1
R72
5.6R
R76
5.6R
R78
0R
PWGATE1
PWGATE3
470 pF
C190
R75
1K
R83
300R
L54
10 uH
PD55008-E
R84
300R
L55
10 uH
470 pF
C191
PWGATEMID
R74
1K
VT2
PWDRAIN2
R71
5.6R
R77
5.6R
R79
0R
PWGATE2
PWGATE4
PWGATE6
R81
560R
0.047 uF 50V
C197
PD55008-E
2.2 uF 100V
C205
1800 pF 100V
C206
1800 pF 100V
C207
2.2 uF 100V
C208
T6
TR13X13_4
4 cable wounds
BN-43-3312
ANT_TXI
RFGND
XS6
XV12CS0
VCCXV_ATT
0.1 uF
C223
DD5
L78L05ACD
BAS16
VD26
PABIAS5V
R67
56R
R66
10K
C192
0.1 uF
C194
8200 pF
C199
1800 pF 100V
C200
2.2 uF 100V
L56
3.3 uH
C203
2.2 uF 100V
C210
1800 pF 100V
XV12VP
XV12CS
220 uF 50V
C211
C212
C218
0.1 uF
DVDD5P0STAB
C221
0.1 uF
CPU_ADC_PASENSE
R98
1K
C220
1000 pF
DD4
ACS712ELCTR-05B-T
J6
XV12V
XV12CS0
PLD-6S
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DD8:1

DVDD1_3P3	A1	VDDIO_34_PL
TS_INT	A2	IO_B34_LP10
FPLCD_CD	A3	IO_B34_LN10
FPLCD_RESET	A4	IO_B35_LP23
	A5	IO_B35_LN23
RFGND	A6	GND
LCD_BL_ADJ0	A7	IO_B34_LP6
LCD_BL_ADJ1	A8	IO_B34_LN6
LCD_BL_ENABLE	A9	IO_B34_LP5
NVRAM_CS	A10	IO_B34_LN5
RFGND	A11	GND
ENC2_BUTTON_LV	A12	IO_B34_LP11
PLL_OUT	A13	IO_B34_LN11
PPS_IN	A14	IO_B34_LP9
NMEA_RESET	A15	IO_B34_LN9
RFGND	A16	GND
LED0	A17	IO_B34_LP21
LED1	A18	IO_B34_LN21
LED2	A19	IO_B34_LP19
DAC_SLEEP	A20	IO_B34_LN19

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DD8:2

RFGND	A21	GND
DAC_D0	A22	WDT_FEED_OUT
DAC_D1	A23	WDT_FEED_IN
DAC_D2	A24	IO_B34_LP18
DAC_D3	A25	IO_B34_LN18
RFGND	A26	GND
DAC_D4	A27	IO_B34_LP16
DAC_D5	A28	IO_B34_LN16
DAC_D6	A29	IO_B34_LP15
DAC_D7	A30	IO_B34_LN15
RFGND	A31	GND
DAC_D8	A32	IO_B34_LP7
DAC_D9	A33	IO_B34_LN7
DAC_D10	A34	IO_B34_LP17
DAC_D11	A35	IO_B34_LN17
RFGND	A36	GND
DAC_D12	A37	IO_B34_LP24
DAC_D13	A38	IO_B34_LN24
RTC_CS	A39	IO_B34_LP22
ADC1CS	A40	IO_B34_LN22

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DD8:3

RFGND	A41	GND
REFCLK_IN	A42	IO_B34_LP12
ADC_OVFL	A43	IO_B34_LN12
ADC_D15	A44	IO_B34_LP20
ADC_D14	A45	IO_B34_LN20
RFGND	A46	GND
ADC_D13	A47	IO_B34_LP23
ADC_D12	A48	IO_B34_LN23
ADC_D11	A49	IO_B34_LP14
ADC_D10	A50	IO_B34_LN14
RFGND	A51	GND
ADC_D9	A52	IO_B35_LP8
ADC_D8	A53	IO_B35_LN8
ADC_D7	A54	IO_B34_LP13
ADC_D6	A55	IO_B34_LN13
DVDD1_3P3	B1	VDDIO_35_PL
ADC_D5	B2	IO_B35_LP7
ADC_D4	B3	IO_B35_LN7
ADC_D3	B4	IO_B35_LP21
ADC_D2	B5	IO_B35_LN21

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DD8:4

RFGND	B6	GND
ADC_CLKA	B7	IO_B35_LP12
ADC_D1	B8	IO_B35_LN12
ADC_D0	B9	IO_B35_LP9
ADC_SHDN	B10	IO_B35_LN9
RFGND	B11	GND
ADC_DITH	B12	IO_B35_LP17
ADC_PGA	B13	IO_B35_LN17
CSCODEC1	B14	IO_B35_LP14
I2S2_MCK	B15	IO_B35_LN14
RFGND	B16	GND
I2S2_WS	B17	IO_B35_LP22
I2S2_CK	B18	IO_B35_LN22
I2S2_SDO	B19	IO_B35_LP24
I2S2_SDI	B20	IO_B35_LN24
RFGND	B21	GND
PTT_INPUT_LV	B22	IO_B35_LP10
PTT2_INPUT_LV	B23	IO_B35_LN10
TUNE_INPUT_LV	B24	IO_B35_LP18
TX_INH_IN_LV	B25	IO_B35_LN18

MYC-Y7Z0X0

DD8:5

RFGND	B26	GND
ENC_PUULSES_B_LV	B27	IO_B35_LP15
ENC_PUULSES_A_LV	B28	IO_B35_LN15
ENC_PUULSES2_B_LV	B29	IO_B35_LP13
ENC_PUULSES2_A_LV	B30	IO_B35_LN13
RFGND	B31	GND
ELKEY_LEFT_LV	B32	IO_B35_LP16
ELKEY_RIGHT_LV	B33	IO_B35_LN16
PTT3_INPUT_LV	B34	IO_B35_LP19
	B35	IO_B35_LN19
RFGND	C1	GND
	C2	RGMII0_TRP0
	C3	RGMII0_TRN0
RFGND	C4	GND
	C5	RGMII0_TRP1
	C6	RGMII0_TRN1
RFGND	C7	GND
	C8	RGMII0_TRP2
	C9	RGMII0_TRN2
RFGND	C10	GND

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DD8:6

	C11	RGMII0_TRP3
	C12	RGMII0_TRN3
RFGND	C13	GND
	C14	RGMII0_LED_LINK
	C15	RGMII0_LED_ACT
I2C2_SCL_LV	C16	PS_MIO52(MDIO_CK)
I2C2_SDA_LV	C17	PS_MIO53(MDIO_DATA)
FPGA_CONFIG_DONE	C18	FPGA_CONFIG_DONE
CPU_BOOT_JP1	C19	BOOT_JP1
CPU_BOOT_JP2	C20	BOOT_JP2
DVDD1_3P3	C21	VDDIO_500_PS
RFGND	C22	VCCBATT
USB1_DATA7	C23	PS_MIO39(USB1HS_D7)
USB1_NXT	C24	PS_MIO31(USB1HS_NXT)
USB1_DATA4	C25	PS_MIO28(USB1HS_D4)
USB1_STP	C26	PS_MIO30(USB1HS_STP)
USB1_DATA0	C27	PS_MIO32(USB1HS_D0)
USB1_DATA1	C28	PS_MIO33(USB1HS_D1)
USB1_DIR	C29	PS_MIO29(USB1HS_DIR)
USB1_DATA2	C30	PS_MIO34(USB1HS_D2)

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DD8:7

USB1_DATA6	C31	PS_MIO38(USB1HS_D6)
USB1_CLK	C32	PS_MIO36(USB1HS_CLK)
RFGND	C33	GND
USB1_DATA3	C34	PS_MIO35(USB1HS_D3)
USB1_DATA5	C35	PS_MIO37(USB1HS_D5)
SPI1_MISO_LV	C36	PS_MIO41(SDIO0_CMD)
RESET_OUT_LV	C37	PS_MIO46(SDIO0_CD)
SPI1_MOSI_LV	C38	PS_MIO45(SDIO0_D4)
SPI1_SCLK_LV	C39	PS_MIO40(SDIO0_CLK)
RFGND	C40	GND
USER_BOOT	C41	PS_MIO44(SDIO0_D3)
CONVSYNC_OUT	C42	PS_MIO42(SDIO0_D1)
	C43	PS_MIO43(SDIO0_D2)
UART1_TX_LV	C44	PS_MIO48(UART1_TX)
UART1_RX_LV	C45	PS_MIO49(UART1_RX)
EXT_RESET	C46	EXT_RST_IN
RESET_OUT	C47	PS_MIO7(RESET_OUTn)
	C48	FPGA_CONFIG_RESET
	C49	XADC_VCC
RFGND	C50	XADC_GND

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DD8:8

	C51	Sys_PG
DVDD1_1P8	C52	VDDIO_501_PS
RFGND	C53	GND
DVDD1_5P0	C54	VDD_5V
DVDD1_5P0	C55	VDD_5V
RFGND	D1	GND
CPU_TCK	D2	JTAG_TCK
CPU_TDI	D3	JTAG_TDI
CPU_TDO	D4	JTAG_TDO
CPU_TMS	D5	JTAG_TMS
RFGND	D6	GND
BOOT_ACTIVITY	D7	IO_B35_LP6
CSEXT2	D8	IO_B35_LN6
CSEXT1	D9	IO_B35_LP5
CSCTLT	D10	IO_B35_LN5
RFGND	D11	GND
LCD_R3	D12	IO_B35_LP4
LCD_R4	D13	IO_B35_LN4
LCD_R5	D14	IO_B35_LP1
LCD_R6	D15	IO_B35_LN1

MYC-Y7Z0X0

DD8:9

RFGND	D16	GND
LCD_R7	D17	IO_B35_LP3
LCD_G2	D18	IO_B35_LN3
LCD_G3	D19	IO_B35_LP2
LCD_G4	D20	IO_B35_LN2
RFGND	D21	GND
LCD_G5	D22	IO_B35_LP20
LCD_G6	D23	IO_B35_LN20
LCD_G7	D24	IO_B35_LP11
LCD_B3	D25	IO_B35_LN11
RFGND	D26	GND
LCD_B4	D27	IO_B34_LP1
LCD_B5	D28	IO_B34_LN1
LCD_B6	D29	IO_B34_LP2
LCD_B7	D30	IO_B34_LN2
RFGND	D31	GND
LCD_CLK	D32	IO_B34_LP4
LCD_DE	D33	IO_B34_LN4
LCD_VSYNC	D34	IO_B34_LP3
LCD_HSYNC	D35	IO_B34_LN3

MYC-Y7Z0X0

J8

PLS-4

DA21

4 * 4.7K

DA22

4 * 4.7K

C294 0.1 uF

VT7 BSS138LT1G

VT8 BSS138LT1G

DD7

SN74LVC1T45DBV

DD20

SN74LVC1T45DBV

DIR Input Circuit Referenced to VCCA
L: B data to A bus
H: A data to B bus

DD36

SN74LVC1T45DBV

DD35

SN74LVC1T45DBV

DD37

SN74LVC1T45DBV

CPU JTAG

XS8

DS1013-20M

J17

PLS-02

DD10

FM25L16B-G

TOL2012MR VD21

TOL2012MR VD22

TOL2012MR VD23

DA11

4 * 4.7K

SERIAL DEBUG PORT

J9

PLD-6S

VD37 TOL2012MR

VD38 TOL2012MR

DA24

4 * 10K

CPU I2C

R101 56R

S1

DTSM-62N-V-T/R

DA23

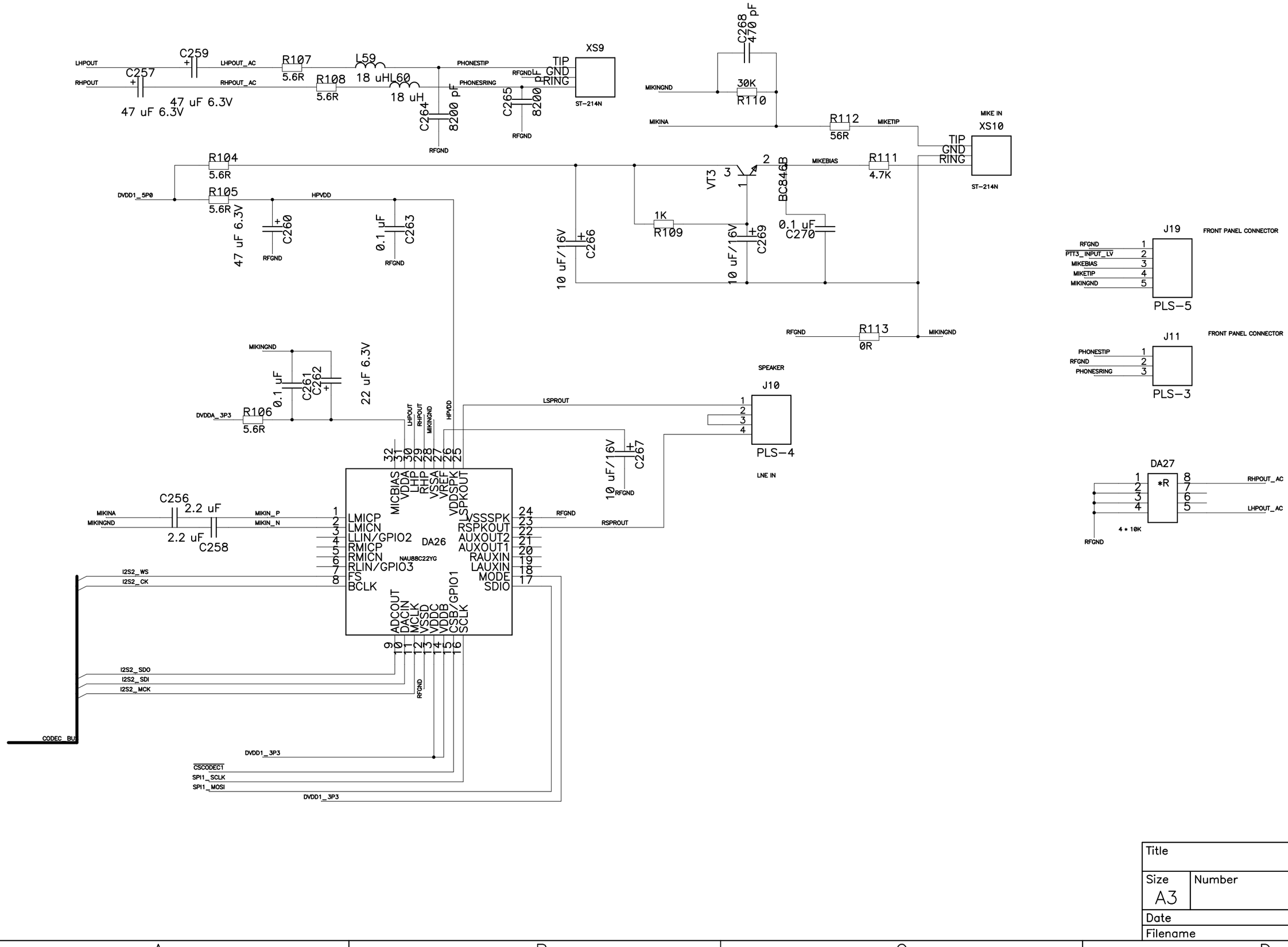
4 * 10K

R103 NONE

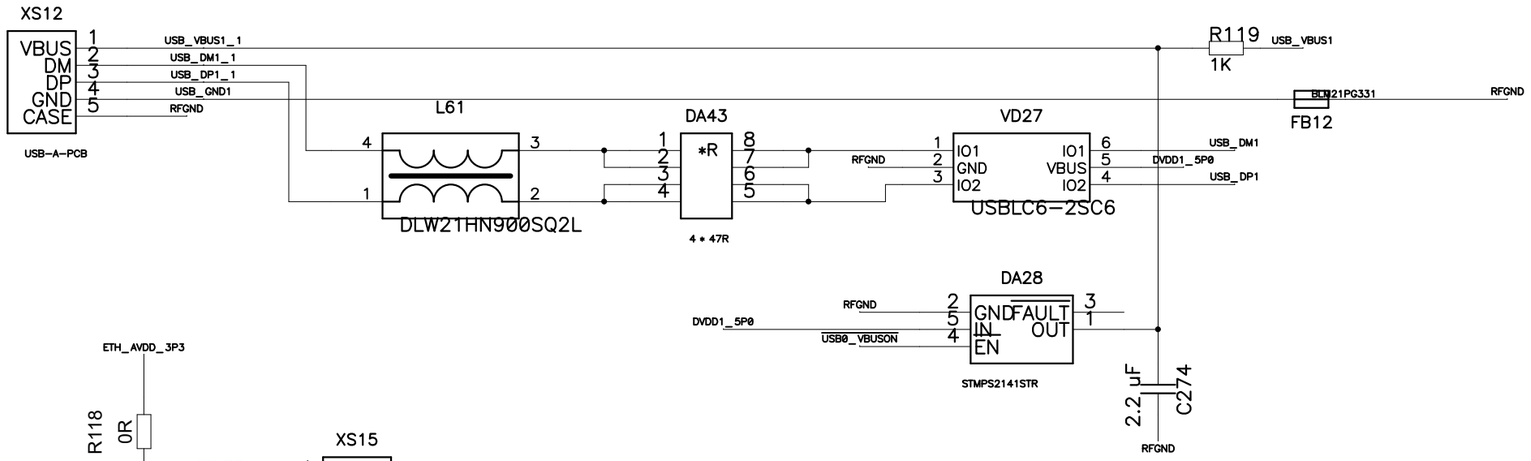
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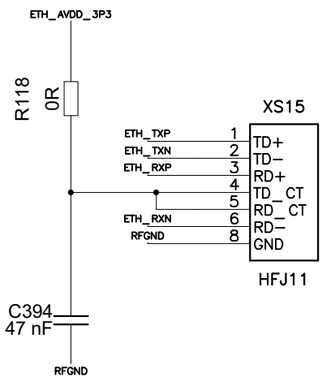
JP1=Logic L & JP2=Logic H: QSPI (default)
JP1=Logic L & JP2=Logic L: JTAG
JP1=Logic H & JP2=Logic H: SD CARD
JP1=Logic H & JP2=Logic L: NAND (undefined)

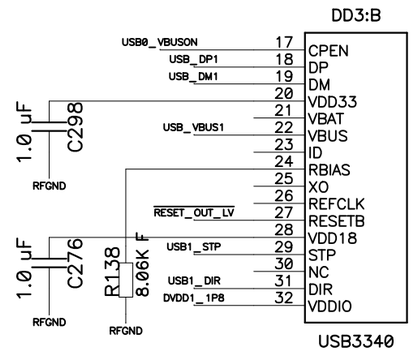
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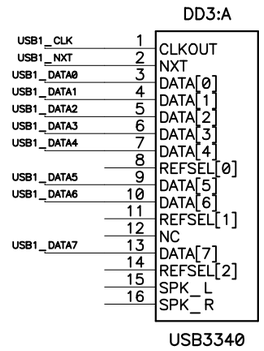


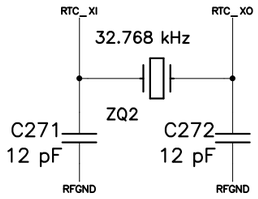
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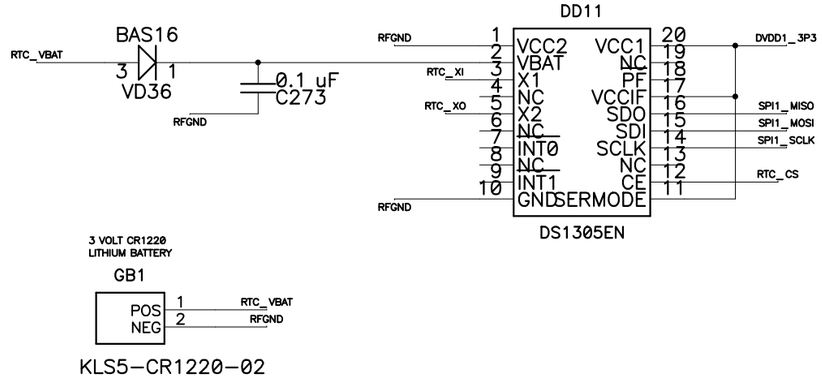


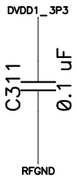




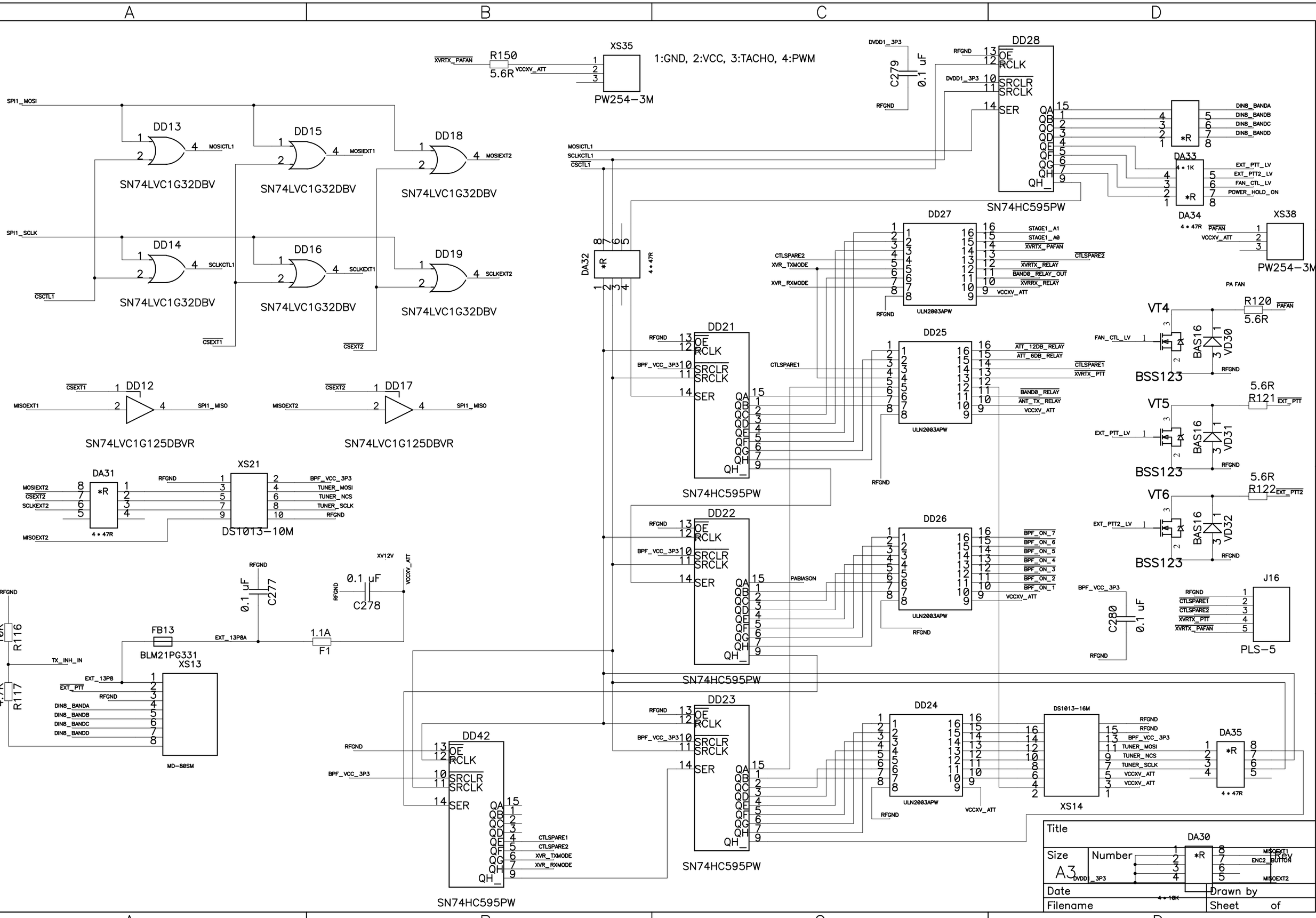


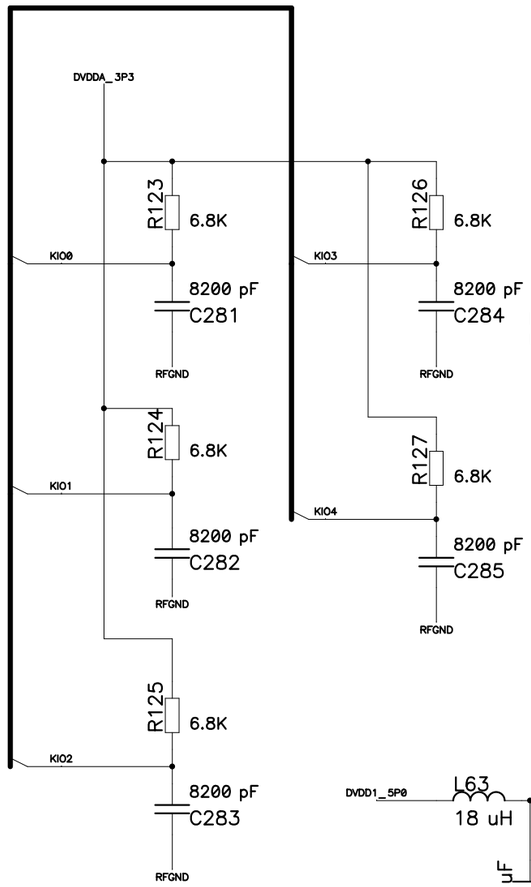


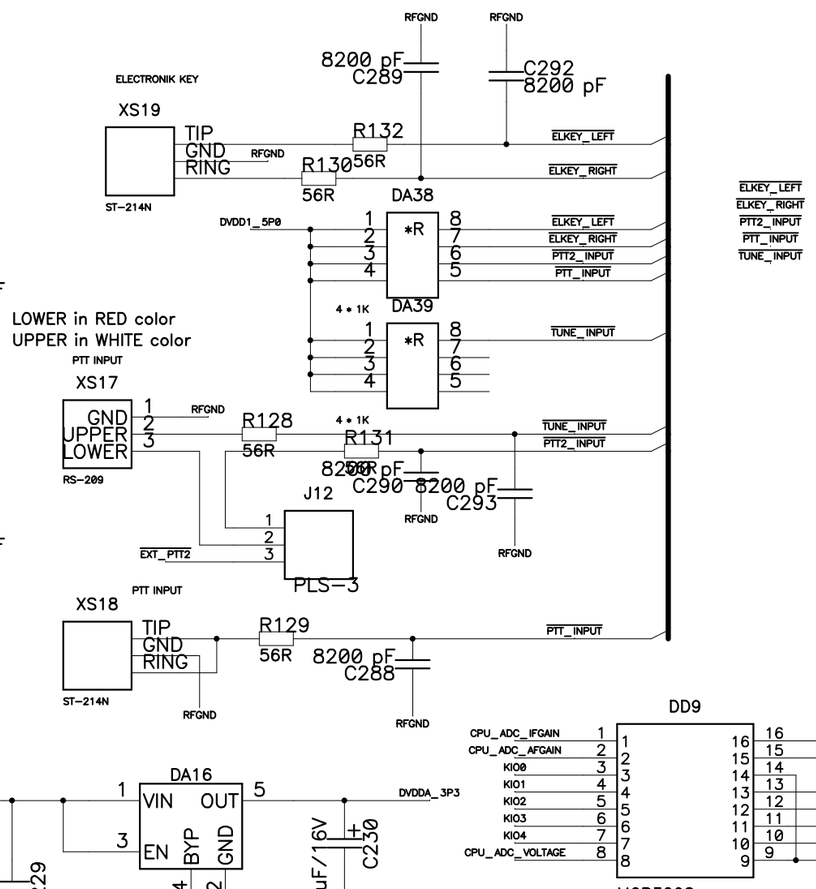


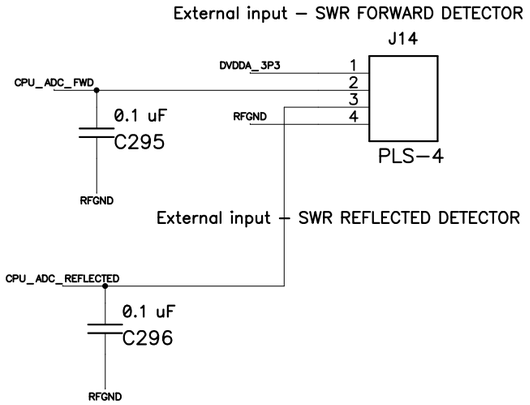


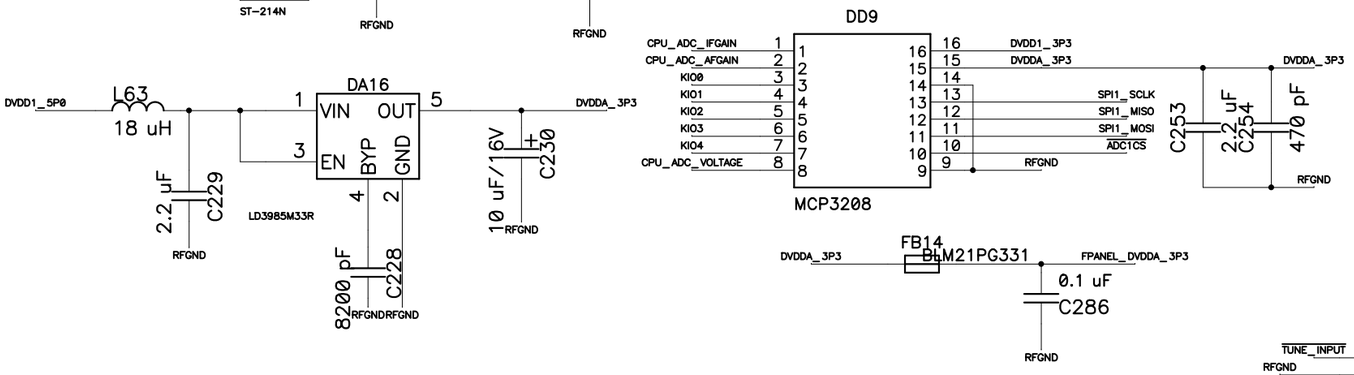
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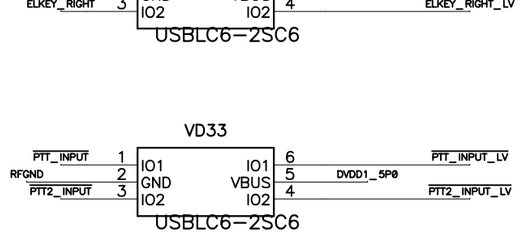

XS35
1:GND, 2:VCC, 3:TACHO, 4:PWM
XVRTX_PAFAN
R150
5.6R
VCCXV_ATT
PW254-3M
SPI1_MOSI
SPI1_SCLK
CSCTL1
DD13
DD14
DD15
DD16
DD18
DD19
SN74LVC1G32DBV
MOSICTL1
SCLKCTL1
MOSIEXT1
SCLKEXT1
MOSIEXT2
SCLKEXT2
CSEXT1
CSEXT2
DD12
DD17
MISOEXT1
MISOEXT2
SPI1_MISO
SN74LVC1G125DBVR
DA31
4 * 47R
XS21
DS1013-10M
BPF_VCC_3P3
TUNER_MOSI
TUNER_NCS
TUNER_SCLK
RFGND
XV12V
VCCXV_ATT
C277
C278
0.1 uF
10K
R116
4.7K
R117
FB13
BLM21PG331
EXT_13P8A
EXT_13P8
F1
1.1A
TX_INH_IN
EXT_PTT
DIN8_BANDA
DIN8_BANDB
DIN8_BANDC
DIN8_BANDD
XS13
MD-80SM
DD28
SN74HC595PW
DVDD1_3P3
C279
DA32
DA33
DA34
4 * 1K
DIN8_BANDA
DIN8_BANDB
DIN8_BANDC
DIN8_BANDD
EXT_PTT_LV
EXT_PTT2_LV
FAN_CTL_LV
POWER_HOLD_ON
XS38
PAFAN
PW254-3M
DD27
ULN2003APW
STAGE1_A1
STAGE1_A0
XVRTX_PAFAN
XVRTX_RELAY
BAND0_RELAY_OUT
XVRRX_RELAY
CTLSPARE2
XVR_TXMODE
XVR_RXMODE
DD21
DD25
CTLSPARE1
ATT_12DB_RELAY
ATT_6DB_RELAY
XVRTX_PTT
BAND0_RELAY
ANT_TX_RELAY
PA FAN
VT4
VT5
VT6
BAS16
VD30
VD31
VD32
BSS123
R120
R121
R122
DD22
DD26
PABIASON
BPF_ON_7
BPF_ON_6
BPF_ON_5
BPF_ON_4
BPF_ON_3
BPF_ON_2
BPF_ON_1
J16
PLS-5
C280
DD23
DD24
DS1013-16M
XS14
DA35
DD42
CTLSPARE1
CTLSPARE2
XVR_TXMODE
XVR_RXMODE
DA30
MISOEXT1
ENC2_BUTTON
MISOEXT2
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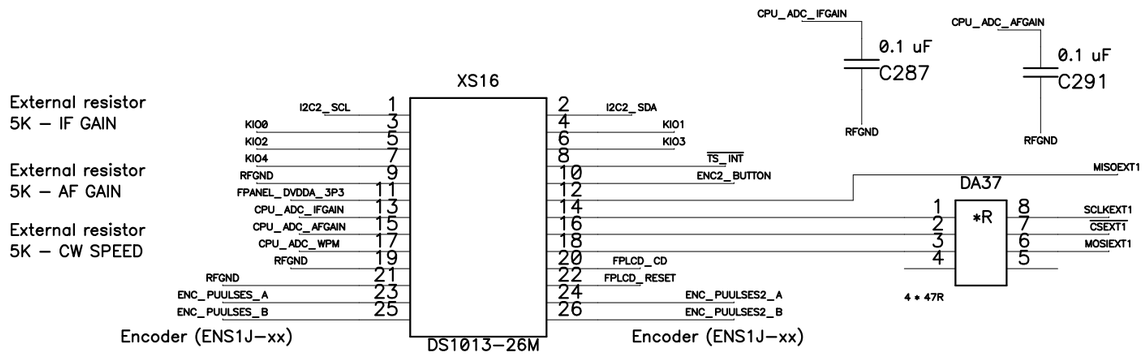


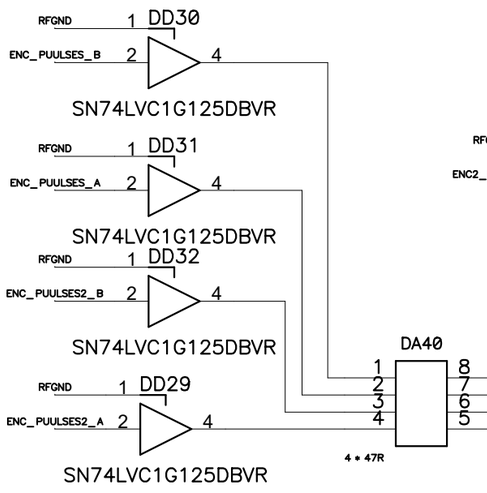


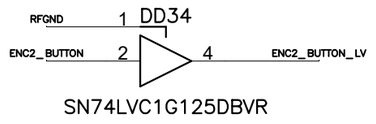


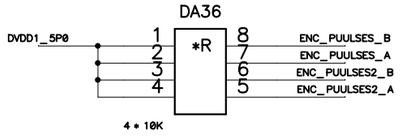






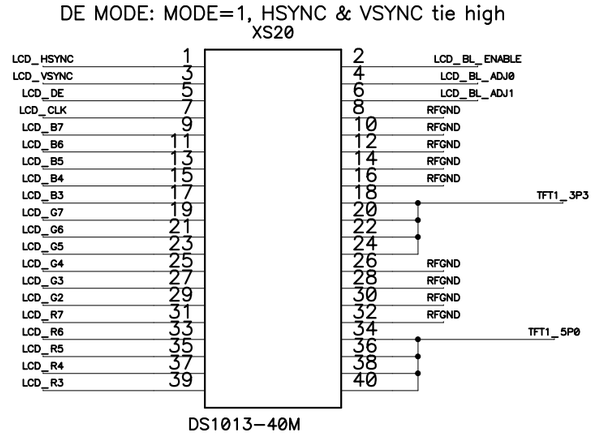


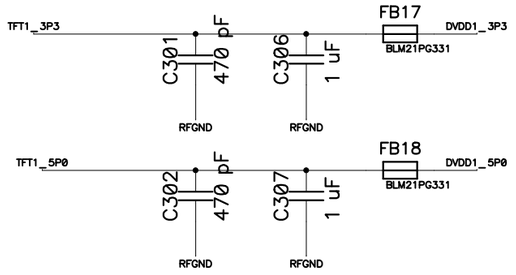




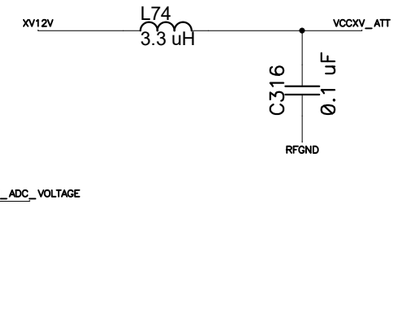
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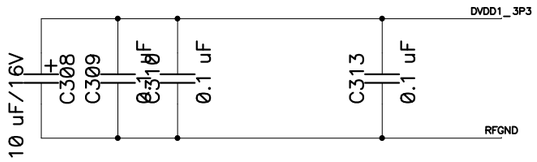
DE MODE: MODE=1, HSYNC & VSYNC tie high

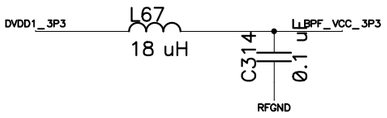


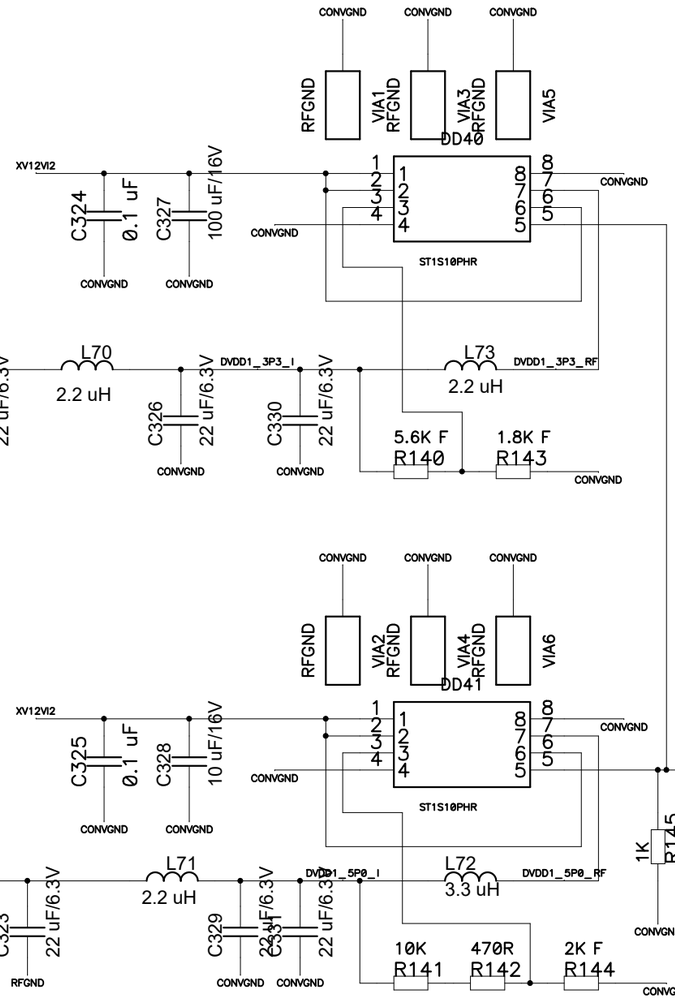


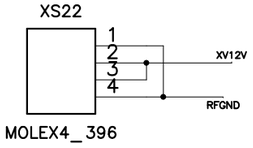
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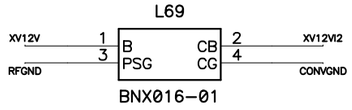












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