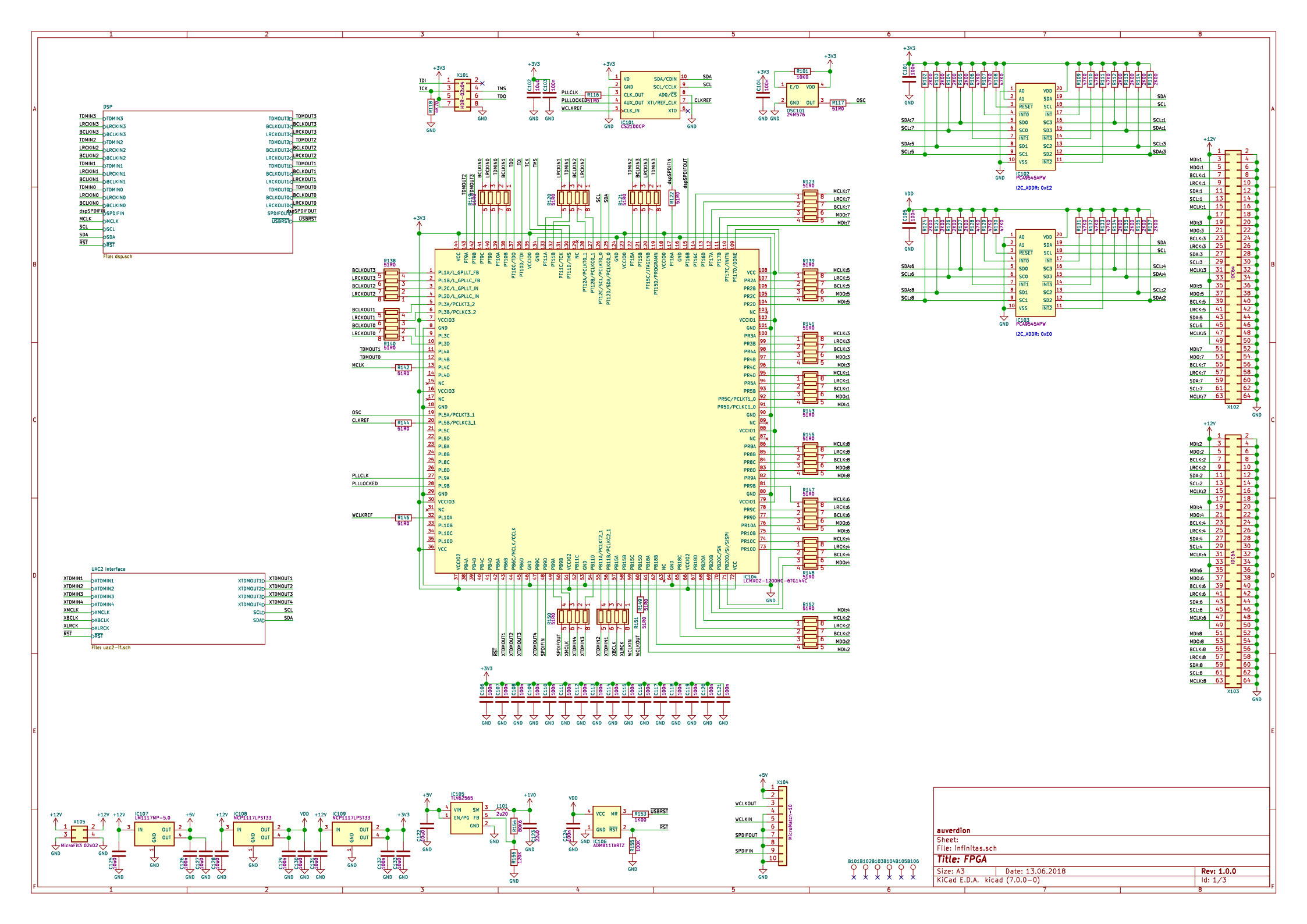
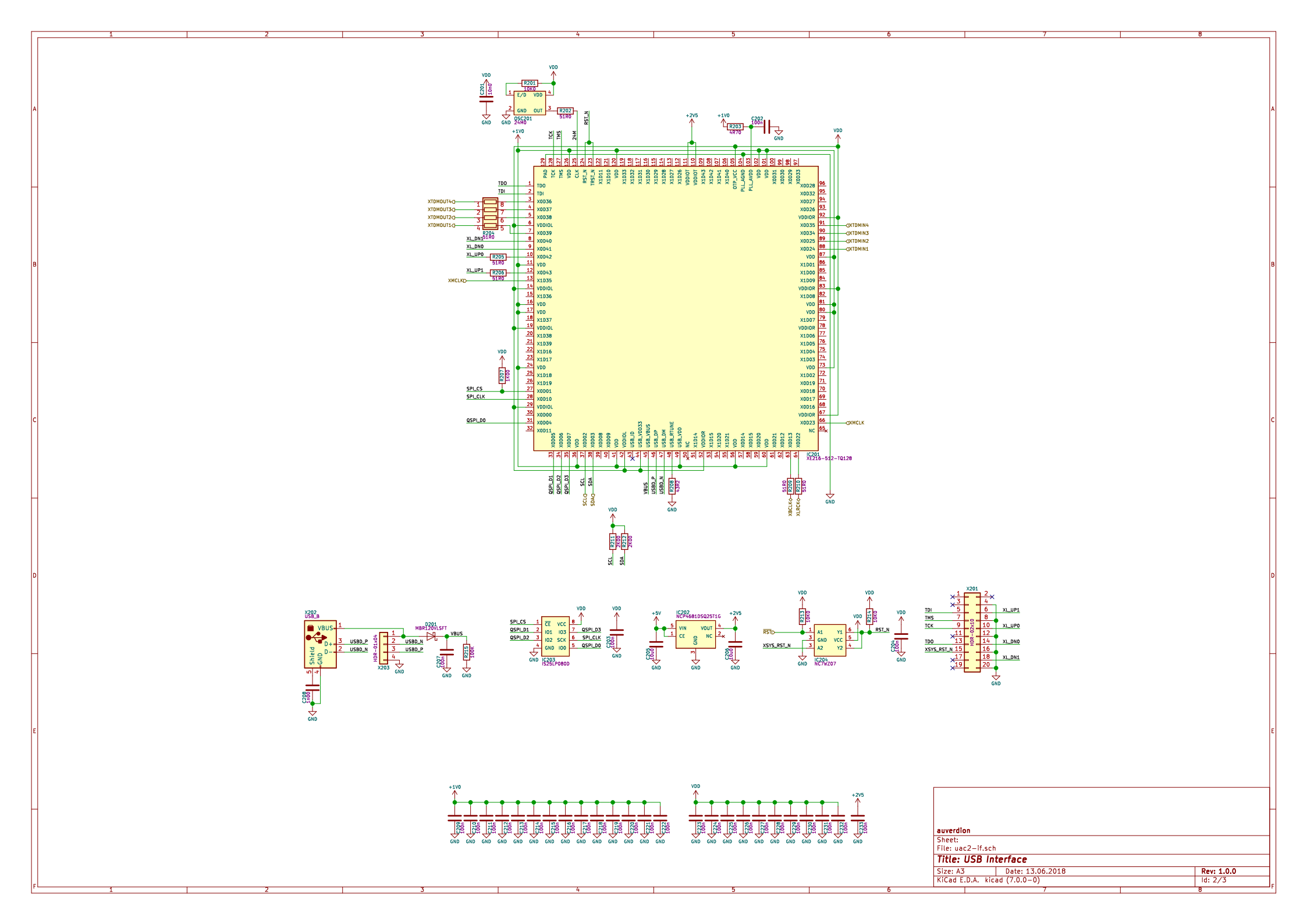
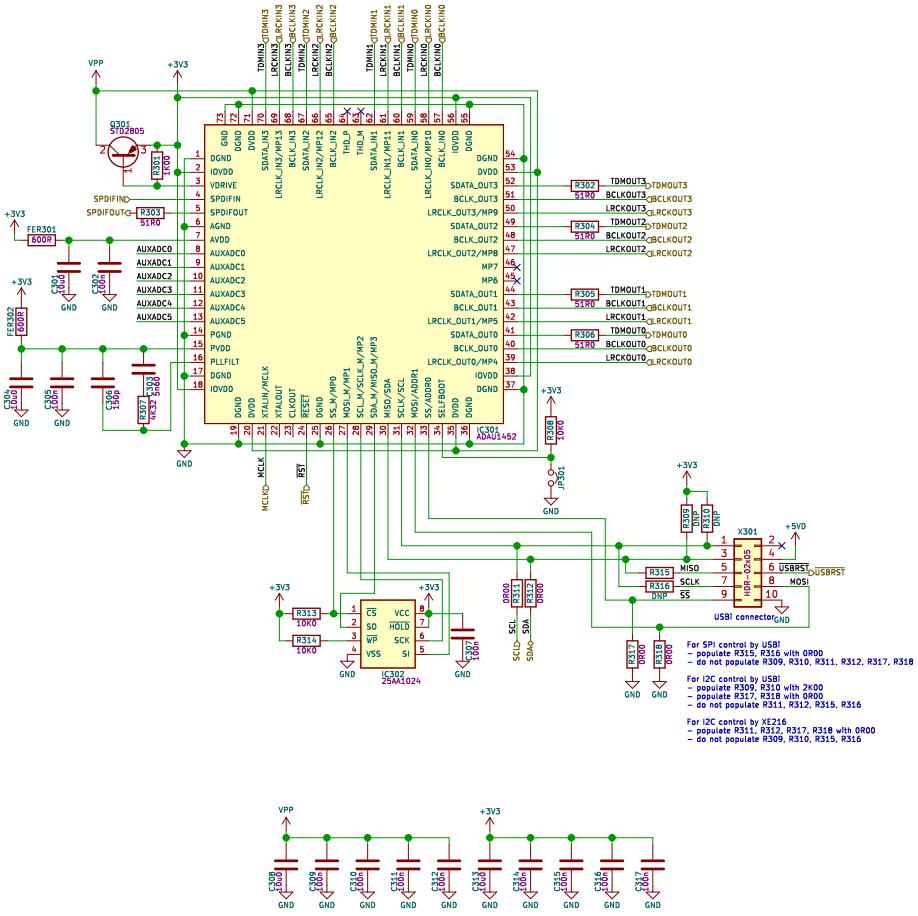
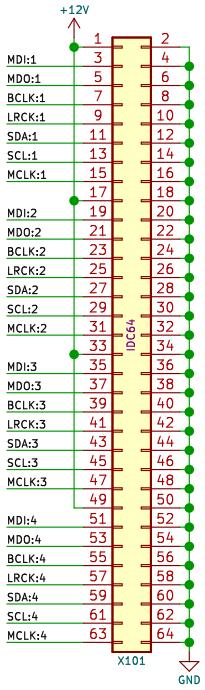
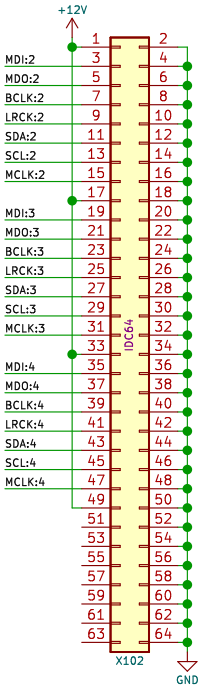

DSP
TDMIN3
LRCKIN3
BCLKIN3
TDMIN2
LRCKIN2
BCLKIN2
TDMIN1
LRCKIN1
BCLKIN1
TDMIN0
LRCKIN0
BCLKIN0
dspSPDIFIN
MCLK
SCL
SDA
RST
TDMOUT3
BCLKOUT3
LRCKOUT3
TDMOUT2
BCLKOUT2
LRCKOUT2
TDMOUT1
BCLKOUT1
LRCKOUT1
TDMOUT0
BCLKOUT0
LRCKOUT0
SPDIFOUT
USBRST
File: dsp.sch
UAC2 Interface
XTDMIN1
XTDMIN2
XTDMIN3
XTDMIN4
XMCLK
XBCLK
XLRCK
RST
XTDMOUT1
XTDMOUT2
XTDMOUT3
XTDMOUT4
SCL
SDA
File: uac2-if.sch
IC104
LCMXO2-1200HC-6TG144C
IC101
CS2100CP
OSC101
24M576
IC102
PCA9545APW
I2C_ADDR: 0xE2
IC103
PCA9545APW
I2C_ADDR: 0xE0
IC105
TL062565
IC106
ADM811TARTZ
IC107
LM1117MP-5.0
IC108
NCP1117LPST33
IC109
NCP1117LPST33
X101
MDP-02-004
X102
IDC64
X103
IDC64
X104
MicroMatch-10
X105
MicroFit3 02x02
L101
2u20
auverdion
Sheet:
File: Infinitas.sch
Title: FPGA
Size: A3
Date: 13.06.2018
KiCad E.D.A. kicad (7.0.0-0)
Rev: 1.0.0
Id: 1/3

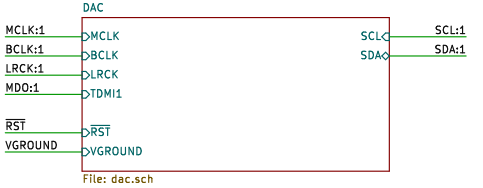

auverdion
Sheet:
File: uac2-if.sch
Title: USB Interface
Size: A3
Date: 13.06.2018
Rev: 1.0.0
KiCad E.D.A. kicad (7.0.0-0)
Id: 2/3
XE216-512-TQ128
NCP4681DSQ2571G
NC7WZ07
SPI_CS
SPI_CLK
QSPI_D0
QSPI_D1
QSPI_D2
QSPI_D3
XTDMOUT1
XTDMOUT2
XTDMOUT3
XTDMOUT4
XTDMIN1
XTDMIN2
XTDMIN3
XTDMIN4
XMCLK
XL_DN1
XL_DN0
XL_UP0
XL_UP1
USBD_P
USBD_N
VBUS
SCL
SDA
TDI
TMS
TCK
TDO
RST_N
XSYS_RST_N

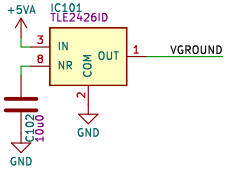


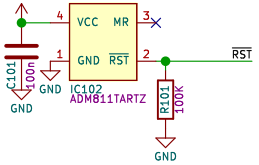
auverdion	
Sheet:	
File: dsp.sch	
Title: DSP (optional)	
Size: A3	Date: 13.06.2018
KiCad E.D.A. kicad (7.0.0-0)	Id: 3/3
	Rev: 1.0.0

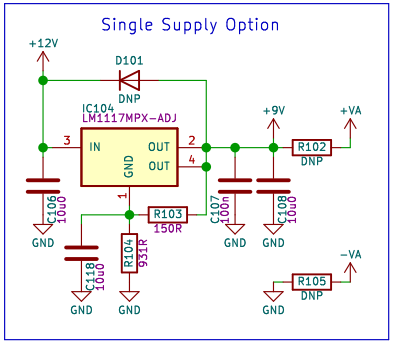




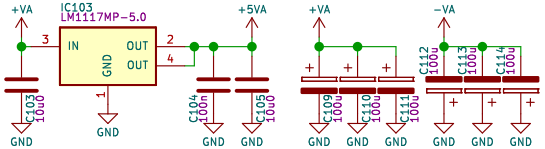


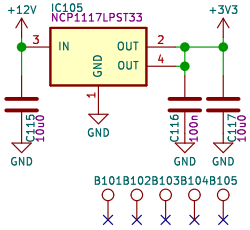


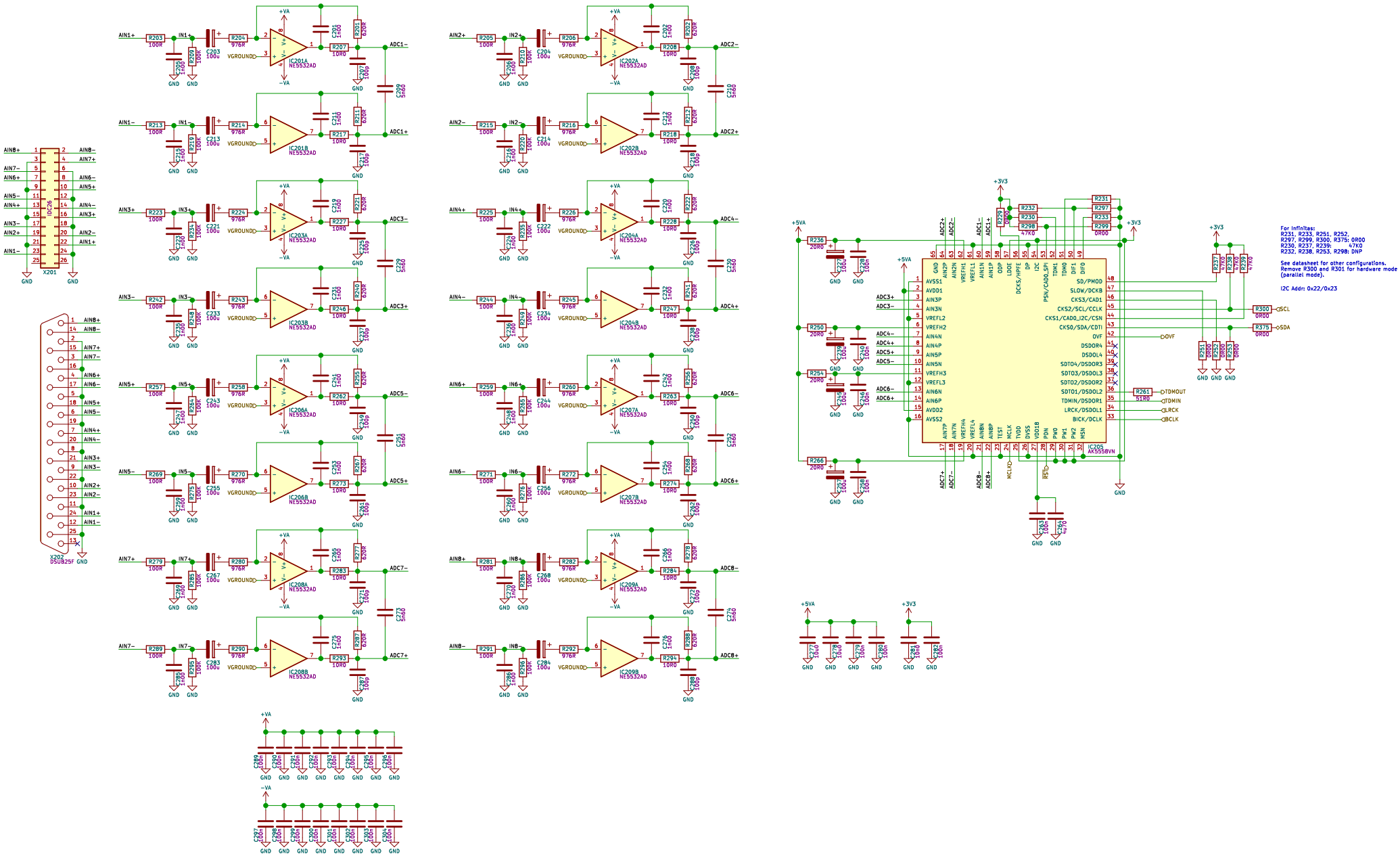


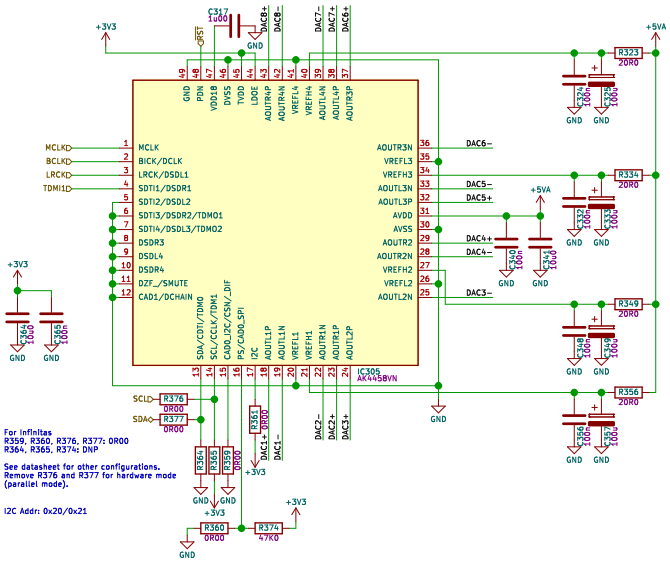


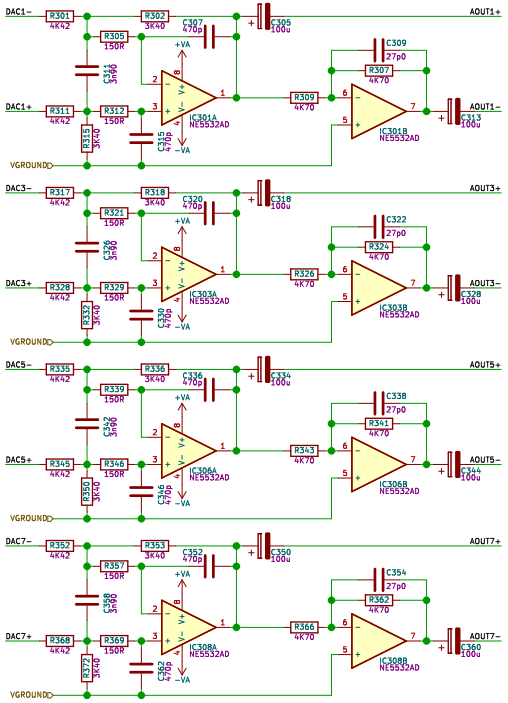
Populate R102 and R105 with 0R00
for single supply

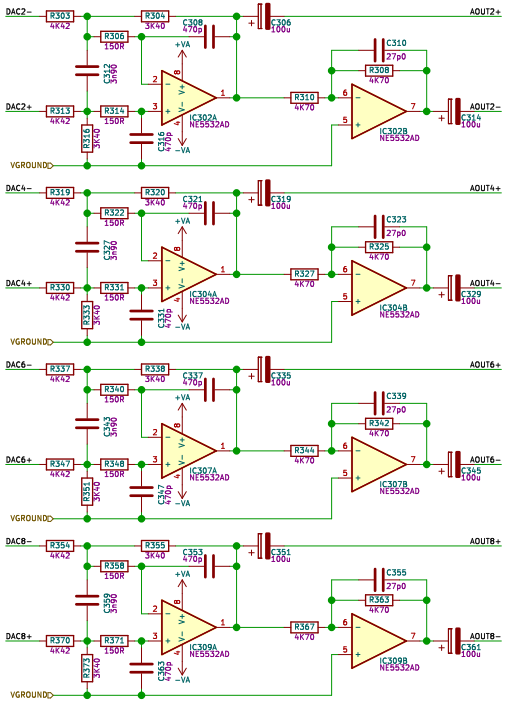


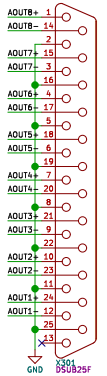


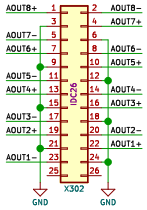

IC201A NE5532AD
IC201B NE5532AD
IC202A NE5532AD
IC202B NE5532AD
IC203A NE5532AD
IC203B NE5532AD
IC204A NE5532AD
IC204B NE5532AD
IC205 AK5558VN
IC206A NE5532AD
IC206B NE5532AD
IC207A NE5532AD
IC207B NE5532AD
IC208A NE5532AD
IC208B NE5532AD
IC209A NE5532AD
IC209B NE5532AD
X201 IDC26
X202 DSUB25F
+VA
−VA
+5VA
+3V3
VGROUND
GND
AIN1+
AIN1−
AIN2+
AIN2−
AIN3+
AIN3−
AIN4+
AIN4−
AIN5+
AIN5−
AIN6+
AIN6−
AIN7+
AIN7−
AIN8+
AIN8−
ADC1+
ADC1−
ADC2+
ADC2−
ADC3+
ADC3−
ADC4+
ADC4−
ADC5+
ADC5−
ADC6+
ADC6−
ADC7+
ADC7−
ADC8+
ADC8−
OVF
SCL
SDA
TDMOUT
TDMIN
LRCK
BCLK
For Infinitas:
R231, R233, R251, R252,
R297, R299, R300, R375: 0R00
R230, R237, R239: 47K0
R232, R238, R253, R298: DNP
See datasheet for other configurations.
Remove R300 and R301 for hardware mode
(parallel mode).
I2C Addr: 0x22/0x23


IC305
AK4458VN
For Infinitas
R359, R360, R376, R377: 0R00
R364, R365, R374: DNP
See datasheet for other configurations.
Remove R376 and R377 for hardware mode
(parallel mode).
I2C Addr: 0x20/0x21


IC301A NE5532AD
IC301B NE5532AD
IC303A NE5532AD
IC303B NE5532AD
IC306A NE5532AD
IC306B NE5532AD
IC308A NE5532AD
IC308B NE5532AD


IC302A NE5532AD
IC302B NE5532AD
IC304A NE5532AD
IC304B NE5532AD
IC307A NE5532AD
IC307B NE5532AD
IC309A NE5532AD
IC309B NE5532AD


X301
DSUB25F


X302
IDC26