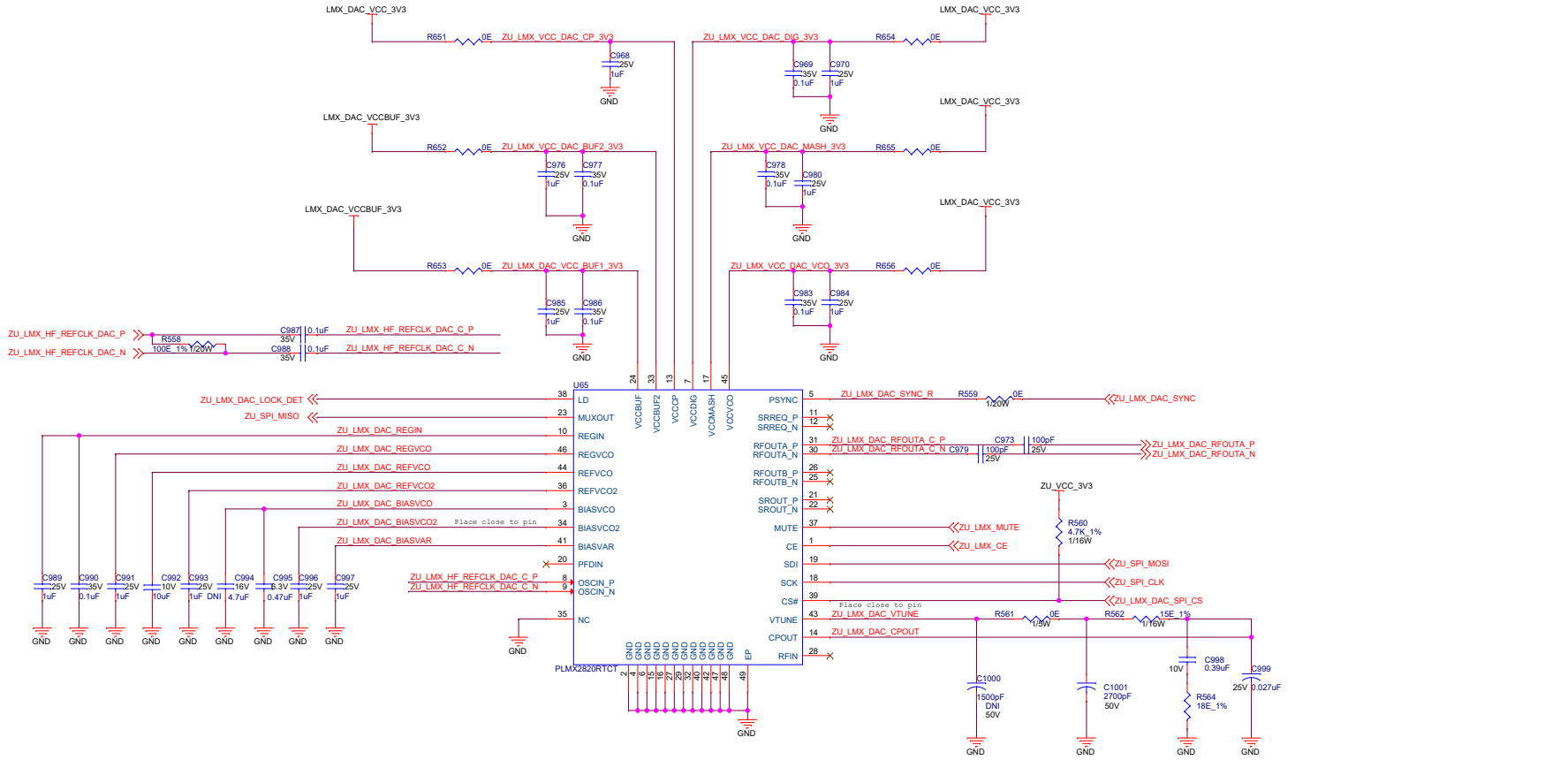
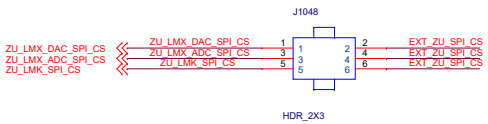
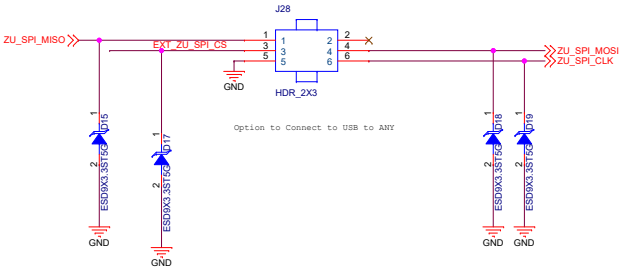
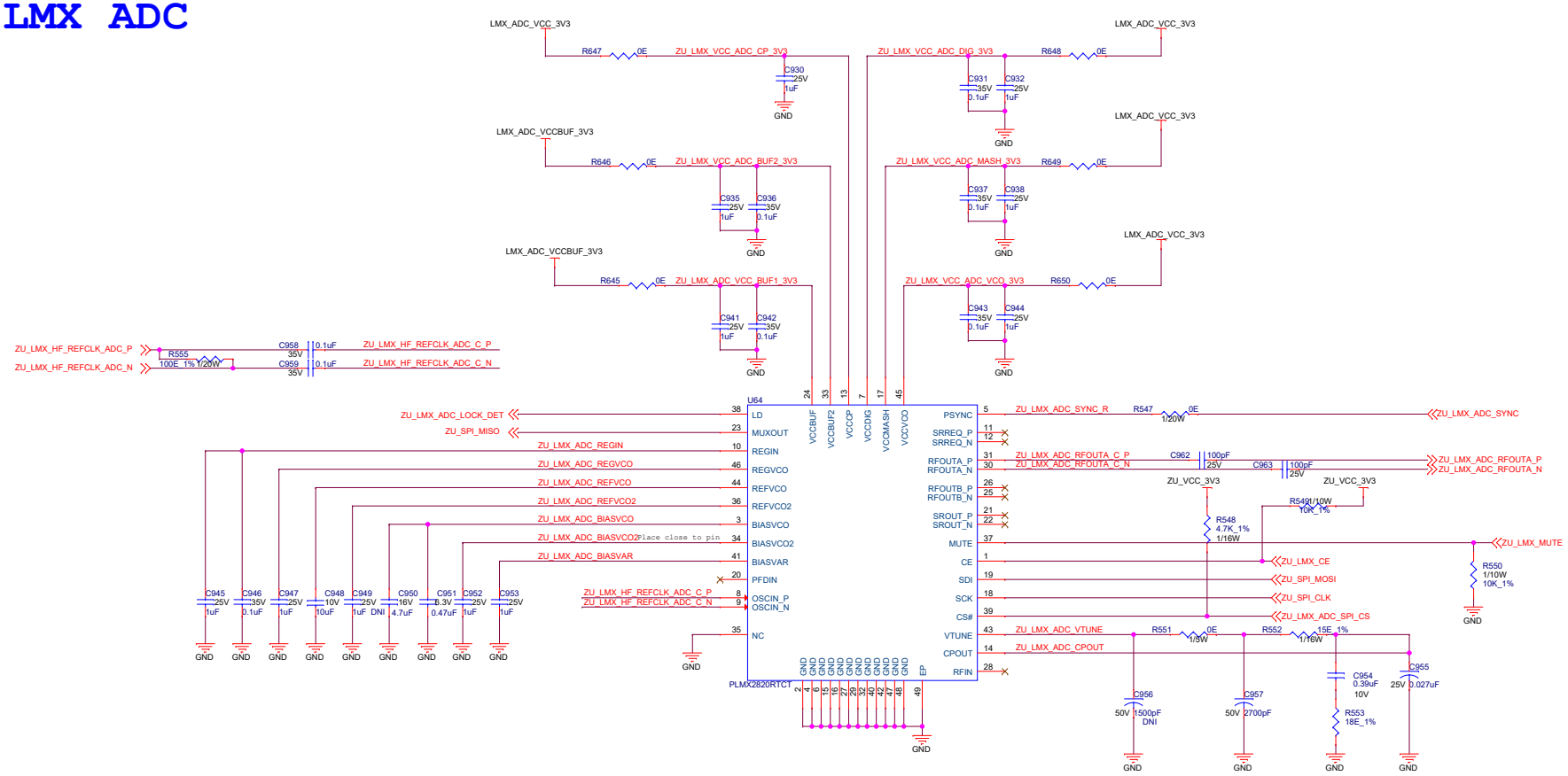
LMX DAC


LMX_DAC_VCC_3V3
R651 0E ZU_LMX_VCC_DAC_CP_3V3
C968 25V 1uF
GND
LMX_DAC_VCCBUF_3V3
R652 0E ZU_LMX_VCC_DAC_BUF2_3V3
C976 25V 1uF
C977 35V 0.1uF
LMX_DAC_VCCBUF_3V3
R653 0E ZU_LMX_DAC_VCC_BUF1_3V3
C985 25V 1uF
C986 35V 0.1uF
ZU_LMX_DAC_VCC_3V3
ZU_LMX_VCC_DAC_DIG_3V3
R654 0E
C969 35V 0.1uF
C970 25V 1uF
LMX_DAC_VCC_3V3
ZU_LMX_VCC_DAC_MASH_3V3
R655 0E
C978 35V 0.1uF
C980 25V 1uF
LMX_DAC_VCC_3V3
ZU_LMX_VCC_DAC_VCO_3V3
R656 0E
C983 35V 0.1uF
C984 25V 1uF
ZU_LMX_HF_REFCLK_DAC_P
ZU_LMX_HF_REFCLK_DAC_N
R558 100E 1% 1/20W
C987 35V 0.1uF
C988 35V 0.1uF
ZU_LMX_HF_REFCLK_DAC_C_P
ZU_LMX_HF_REFCLK_DAC_C_N
U65
PLMX2820RTCT
ZU_LMX_DAC_LOCK_DET
ZU_SPI_MISO
ZU_LMX_DAC_REGIN
ZU_LMX_DAC_REGVCO
ZU_LMX_DAC_REFVCO
ZU_LMX_DAC_REFVCO2
ZU_LMX_DAC_BIASVCO
ZU_LMX_DAC_BIASVCO2
ZU_LMX_DAC_BIASVAR
Place close to pin
LD
MUXOUT
REGIN
REGVCO
REFVCO
REFVCO2
BIASVCO
BIASVCO2
BIASVAR
PFDIN
OSCIN_P
OSCIN_N
NC
VCCBUF
VCCBUF2
VCCP
VCCDIG
VCCMASH
VCCVCO
EP
PSYNC
SRREQ_P
SRREQ_N
RFOUTA_P
RFOUTA_N
RFOUTB_P
RFOUTB_N
SROUT_P
SROUT_N
MUTE
CE
SDI
SCK
CS#
VTUNE
CPOUT
RFIN
ZU_LMX_DAC_SYNC_R
R559 0E 1/20W
ZU_LMX_DAC_SYNC
ZU_LMX_DAC_RFOUTA_C_P
ZU_LMX_DAC_RFOUTA_C_N
C973 100pF 25V
C979 100pF 25V
ZU_LMX_DAC_RFOUTA_P
ZU_LMX_DAC_RFOUTA_N
ZU_LMX_MUTE
ZU_LMX_CE
ZU_VCC_3V3
R560 4.7K_1% 1/16W
ZU_SPI_MOSI
ZU_SPI_CLK
ZU_LMX_DAC_SPI_CS
Place close to pin
ZU_LMX_DAC_VTUNE
R561 0E 1/5W
R562 15E_1% 1/16W
ZU_LMX_DAC_CPOUT
C1000 1500pF DNI 50V
C1001 2700pF 50V
C998 10V 0.39uF
R564 18E_1%
C999 25V 0.027uF
C989 25V 1uF
C990 35V 0.1uF
C991 25V 1uF
C992 10V 10uF
C993 25V 1uF DNI
C994 16V 4.7uF
C995 6.3V 0.47uF
C996 25V 1uF
C997 25V 1uF

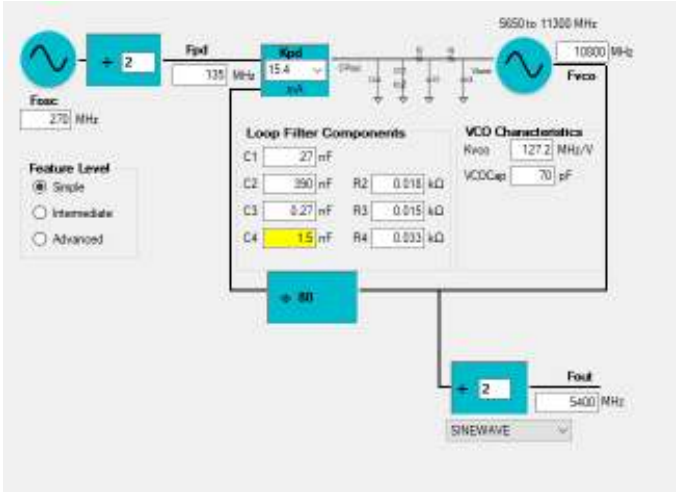

J1048
ZU_LMX_DAC_SPI_CS
ZU_LMX_ADC_SPI_CS
ZU_LMK_SPI_CS
ZU_LMX_DAC_SPI_CS
ZU_LMX_ADC_SPI_CS
ZU_LMK_SPI_CS
EXT_ZU_SPI_CS
EXT_ZU_SPI_CS
EXT_ZU_SPI_CS
HDR_2X3


J28
ZU_SPI_MISO
EXT_ZU_SPI_CS
ZU_SPI_MOSI
ZU_SPI_CLK
HDR_2X3
Option to Connect to USB to ANY
D15
D16
D17
D19
ESD9X3.3ST5G
GND

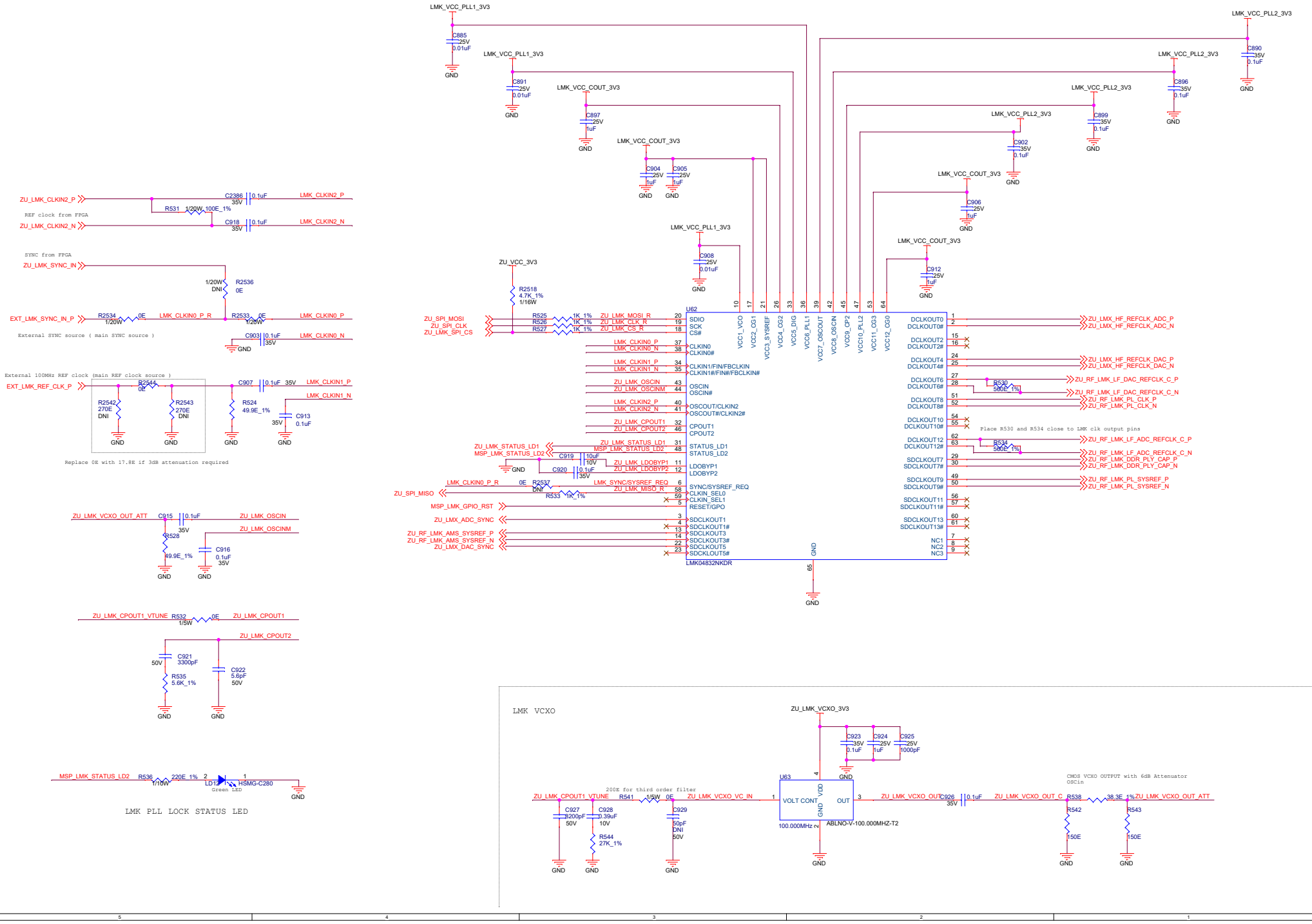
LMX ADC



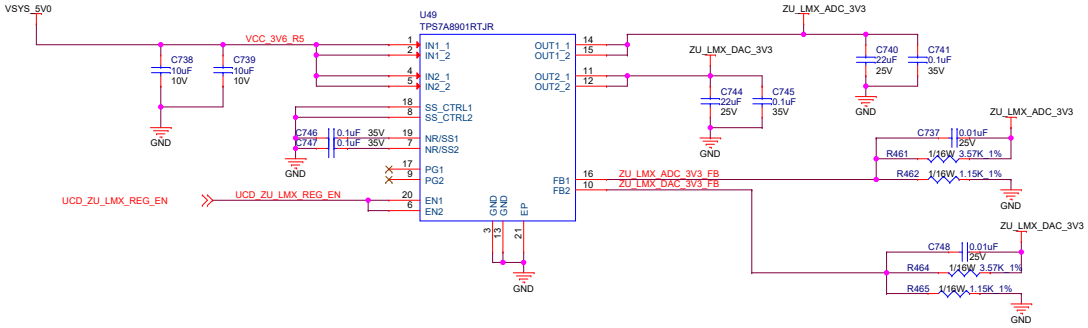
Loop Filter calculation

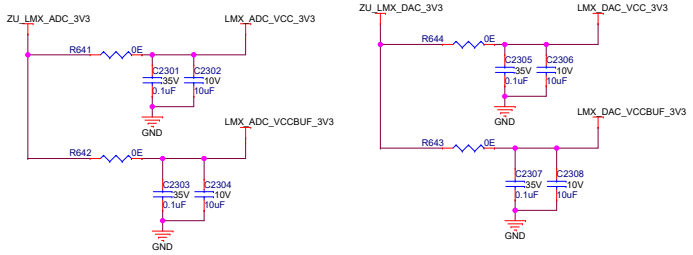


LMK CLOCK GENERATOR

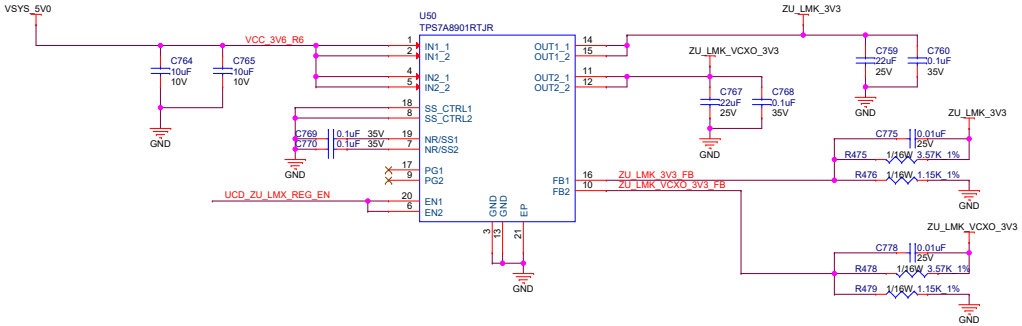


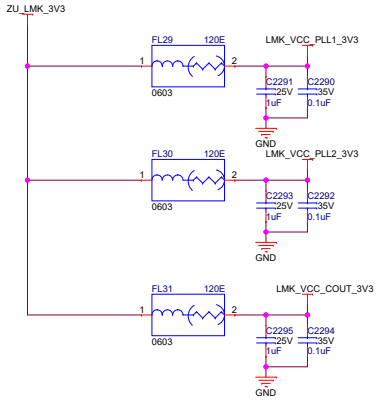
LMX ADC & DAC 3.3V LDO's

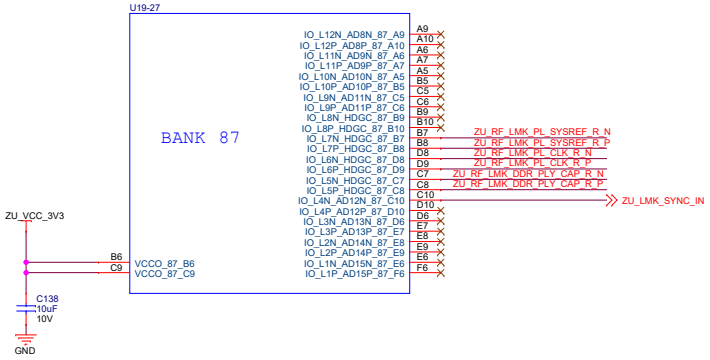




LMK LDOs







TERMINATION FOR LMK CLKs