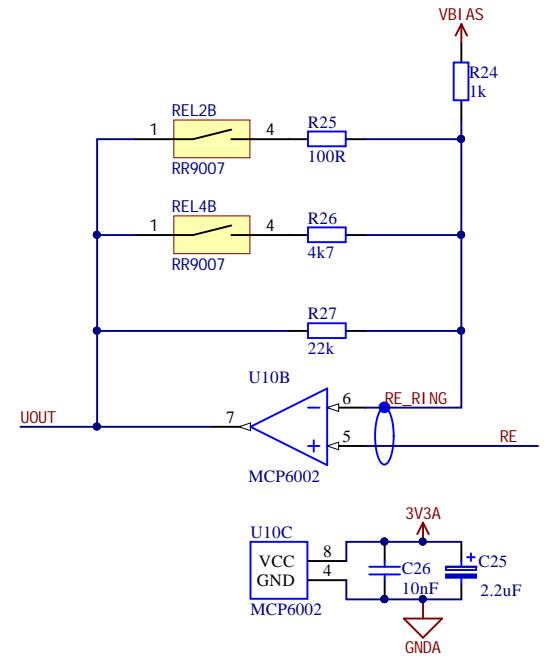
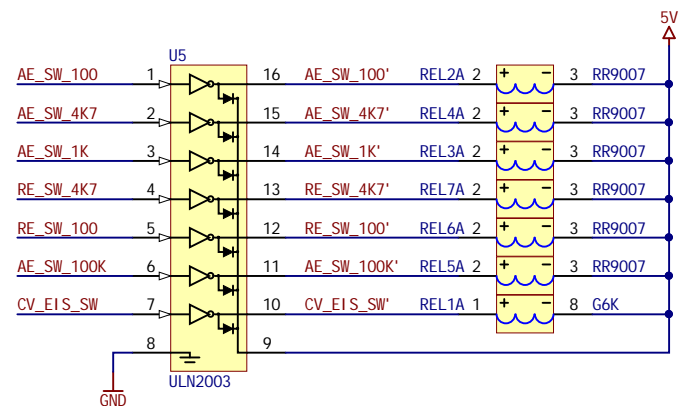
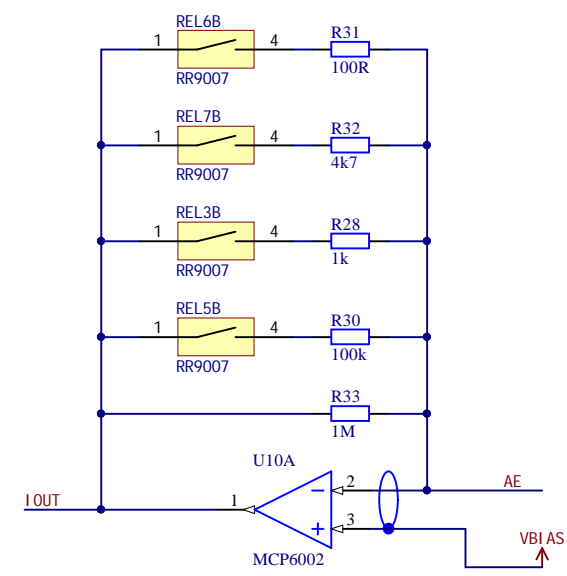
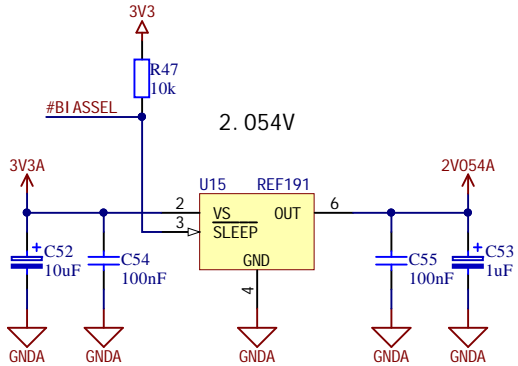


WE, RE, AE- Electrodes inputs
#CS, SCK, MOSI- STM32 SPI signals
U_OUT, I_OUT- STM32 ADC inputs
CV, OCP- STM32 DAC outputs
EIS- DDS chip output
RE_SW_100K, RE_SW_100, CW/EIS_SW, AE_SW_100,
AE_SW_1K, AE_SW_4K7, AE_SW_100K- STM32
outputs

Guard rings. Dot
indicates junction point.

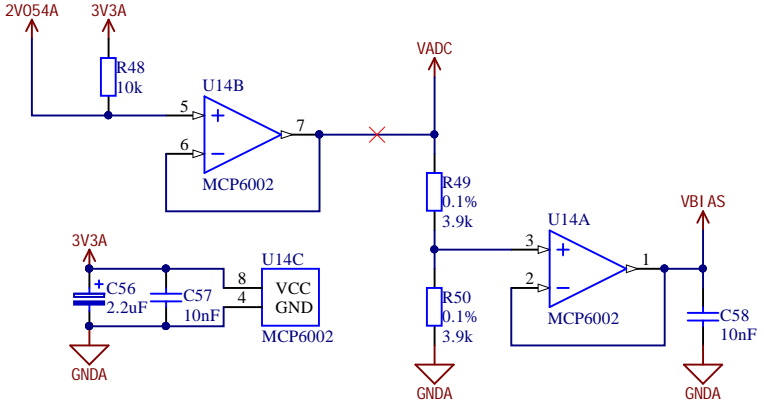


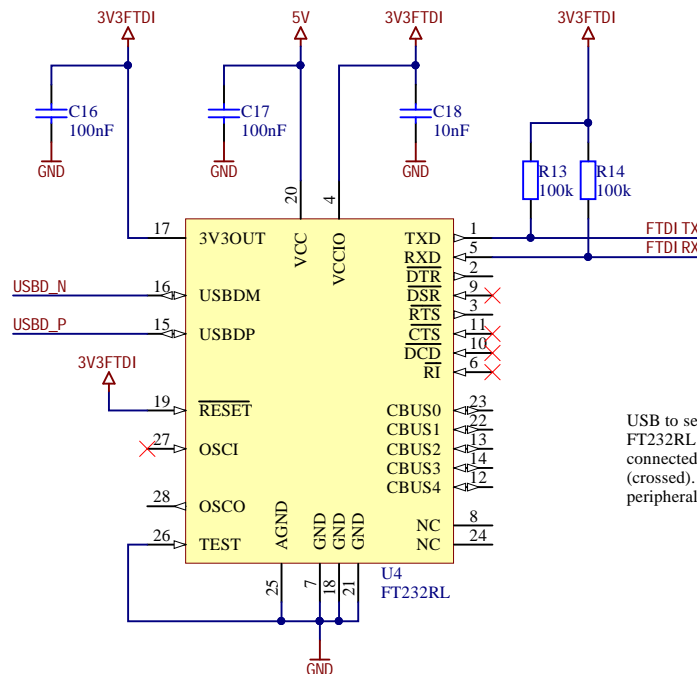
#BIASSEL #BIASSEL



#BIASSEL selects voltages values for MCU ADC VREF and BIAS voltage for analog circuitry. When #BIASSEL is LOW, 2.054V output is high impedance, allowing 3.3V to enter the voltage follower.

#BIASSEL LO -> VREF = 3.3V and VBIAS = 1.65V
#BIASSEL HI -> VREF = 2.054V and VBIAS = 1.027V





USB to serial port converter.
FT232RL uart lines (3.3V level)
connected to MCU uart lines
(crossed). Consider using MCU USB
peripheral.

