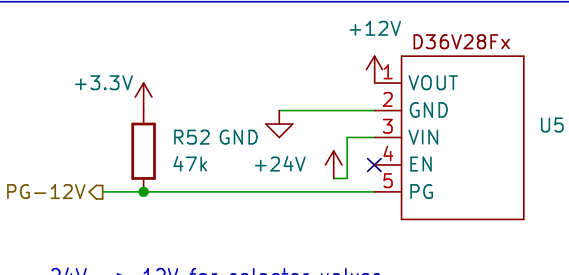
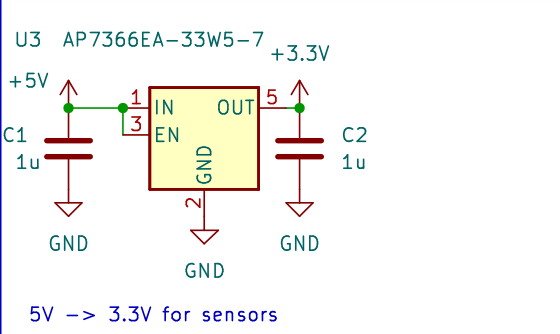


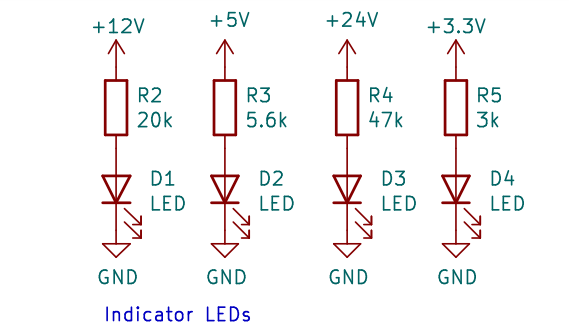
24V -> 5V for disc pump, sensors



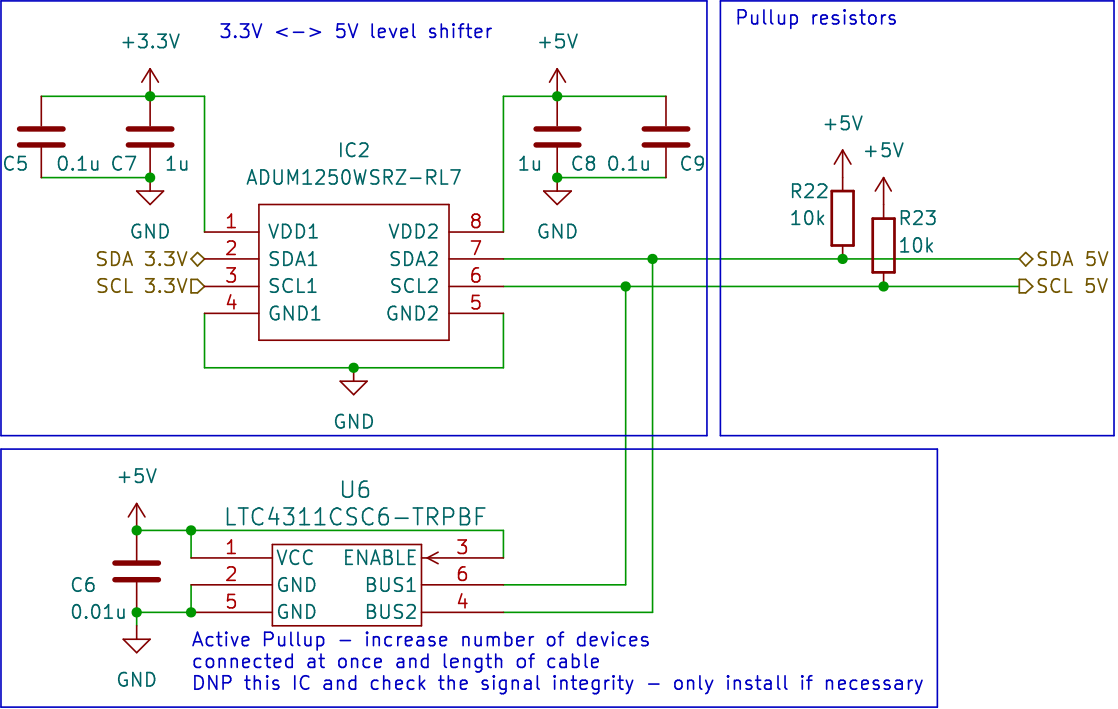
24V -> 12V for selector valves



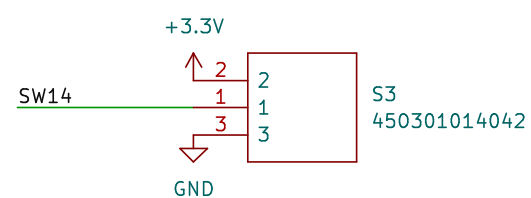
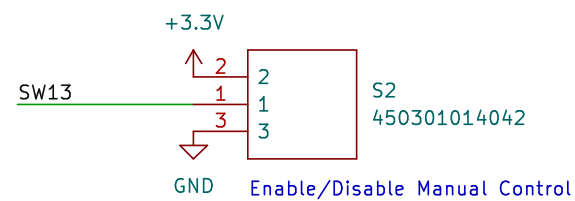
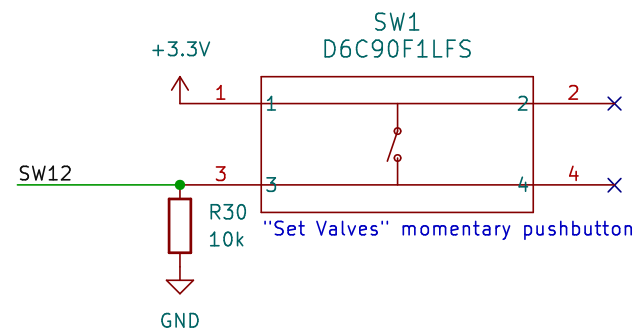
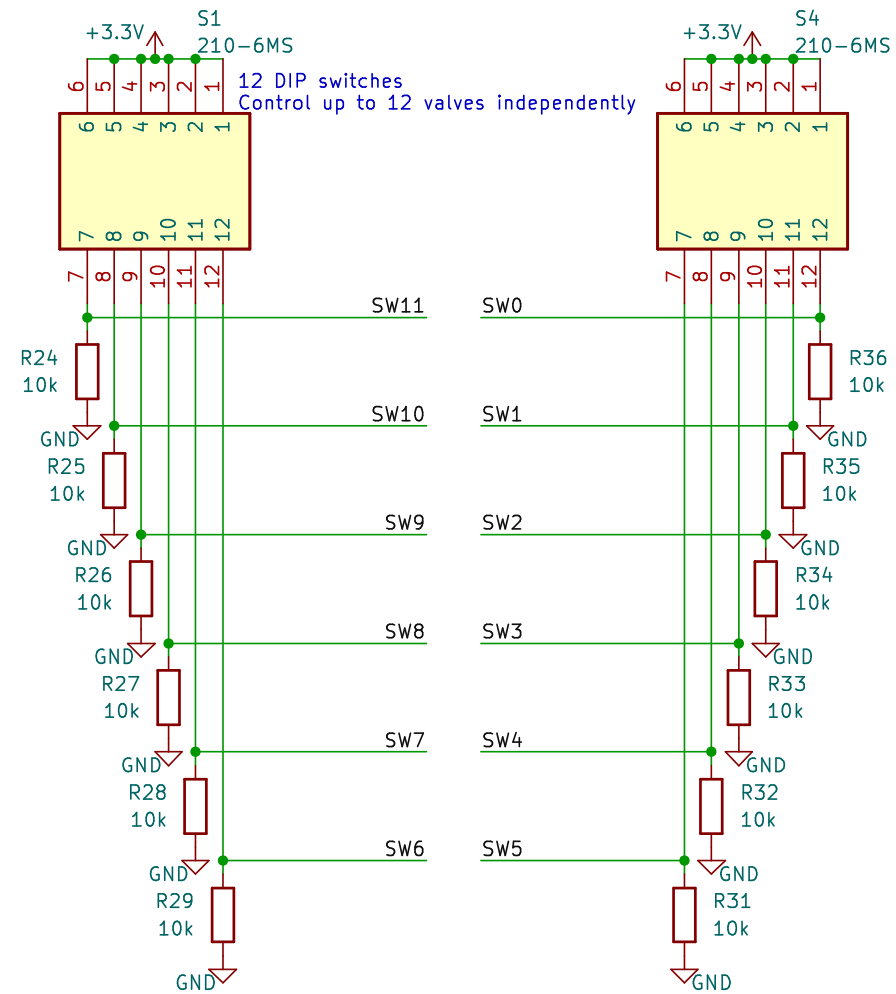
5V -> 3.3V for sensors



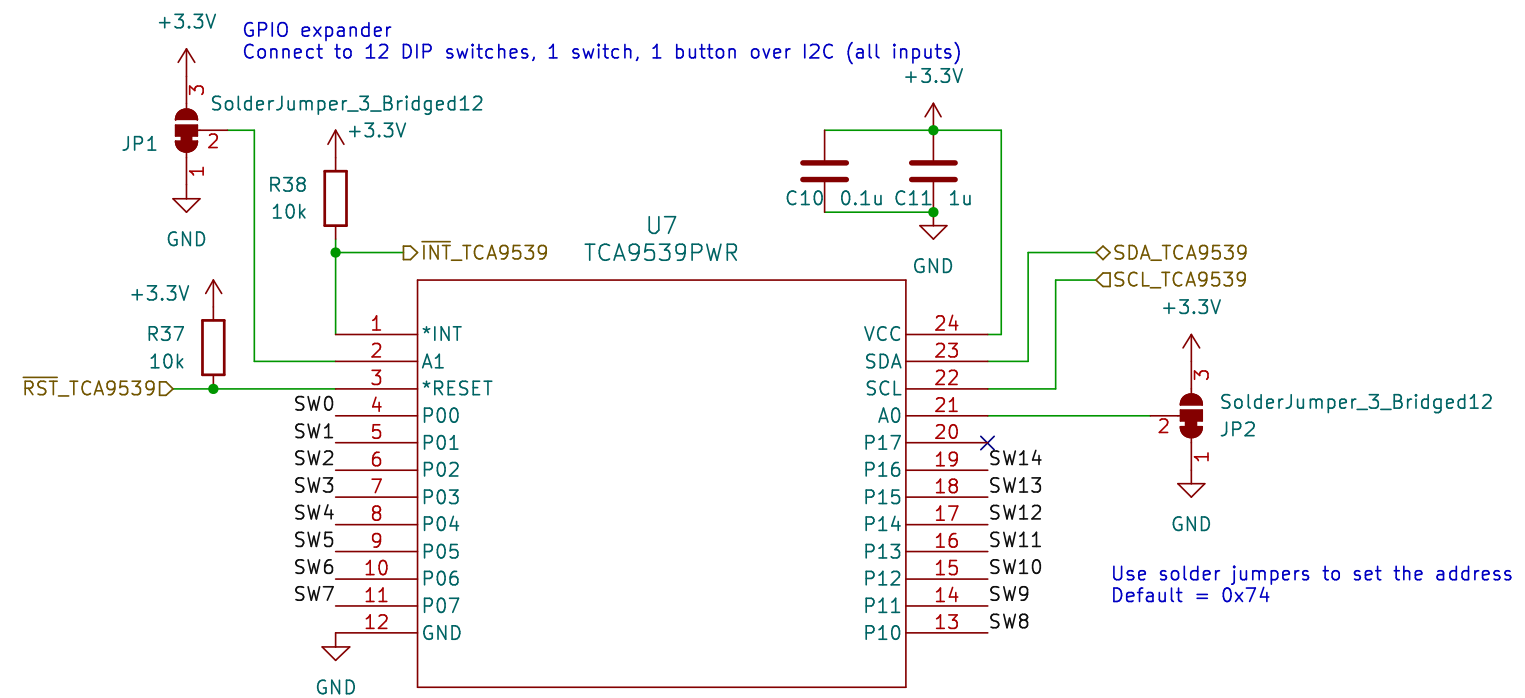
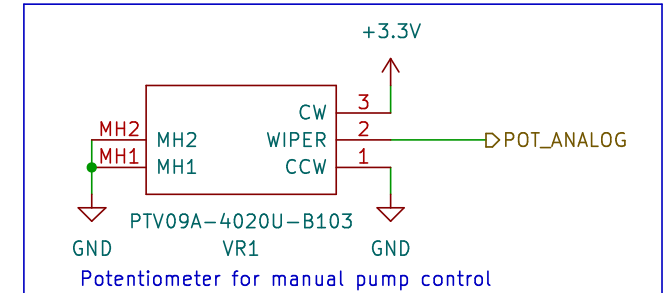
Indicator LEDs



14 input devices – 12 DIP switches, 1 switch, 1 button

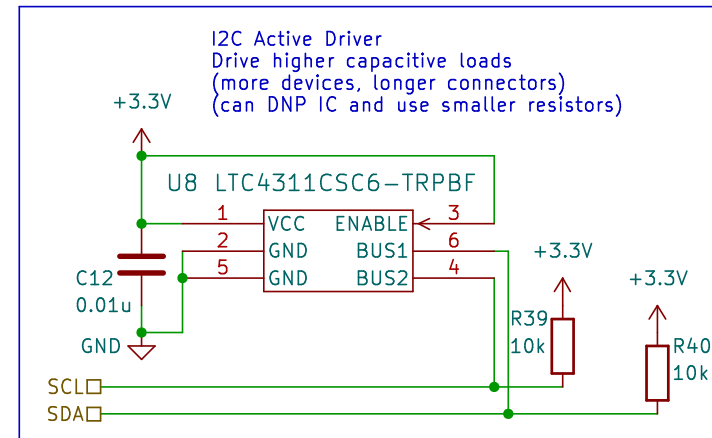


Pressure/Vacuum selector (sets valves 1/4 to either be both on or both off)

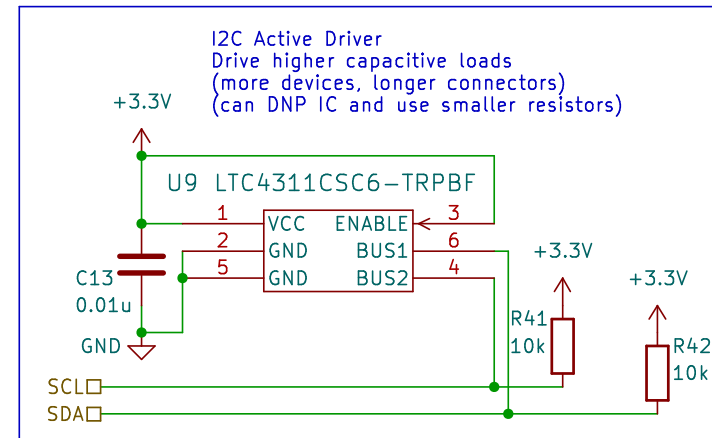


Use solder jumpers to set the address
Default = 0x74

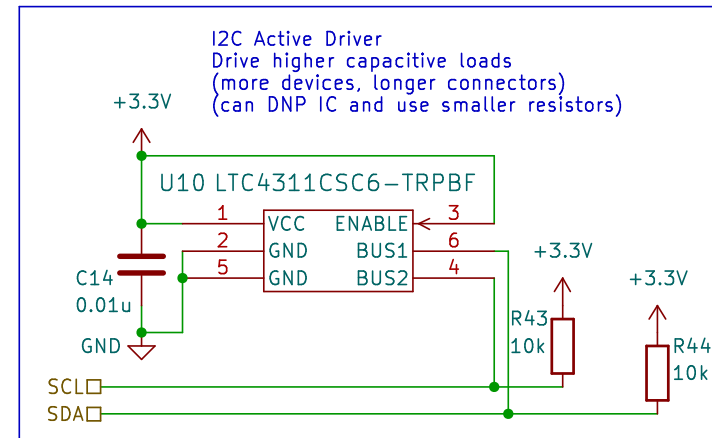
DNP – test signal integrity without the active pullups and populate them if necessary

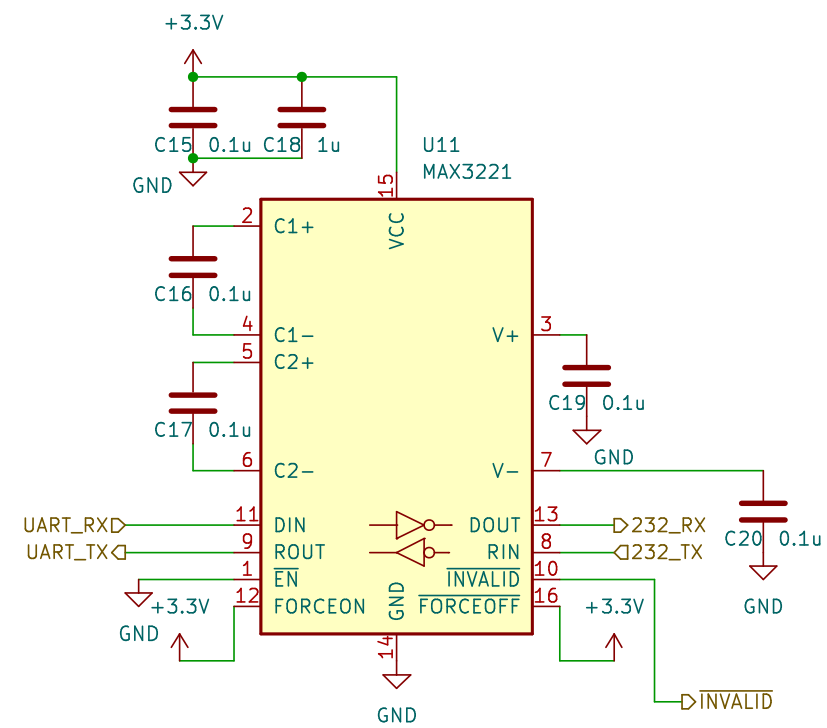


DNP – test signal integrity without the active pullups and populate them if necessary



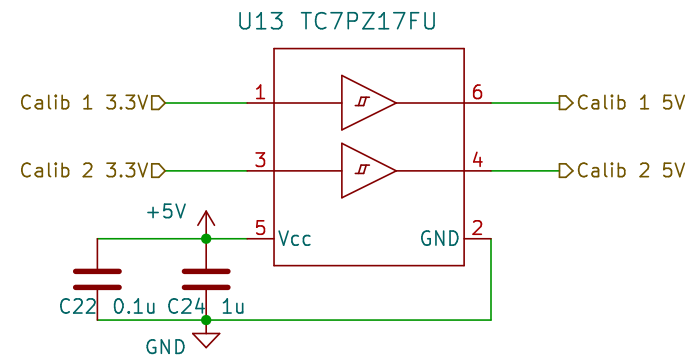
DNP – test signal integrity without the active pullups and populate them if necessary



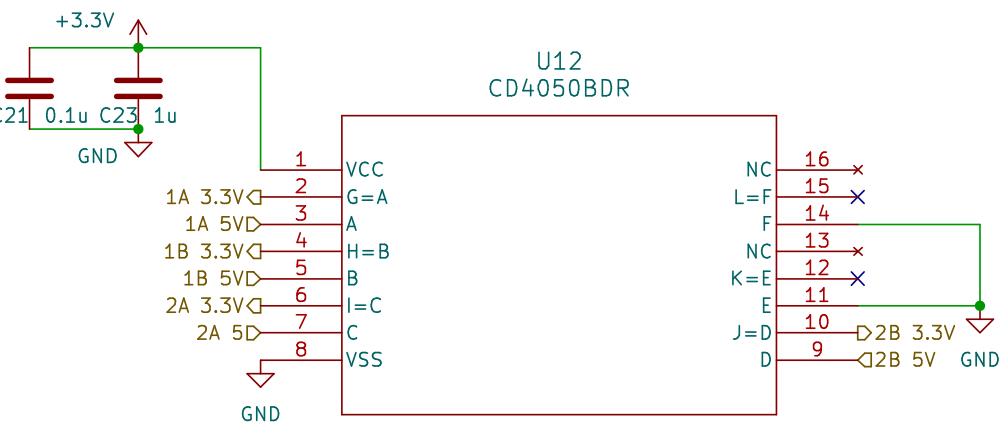


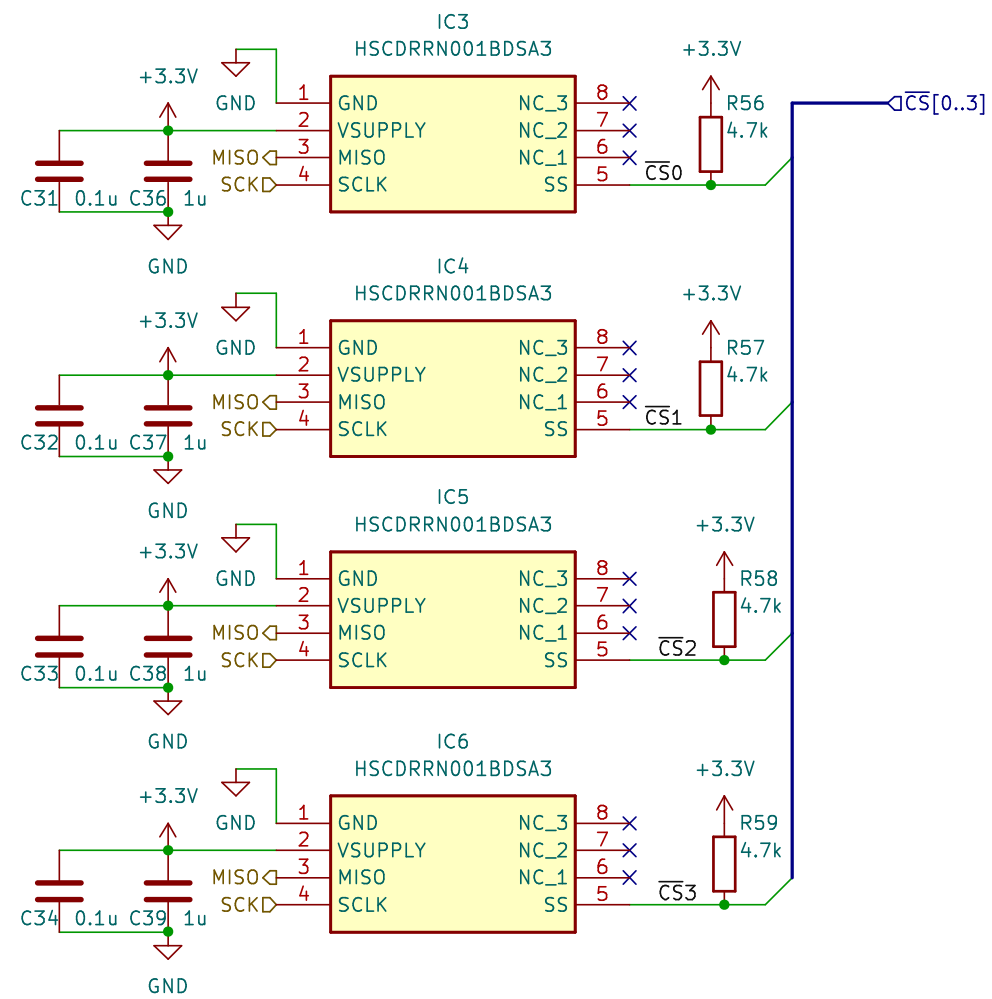
Convert from 3.3V UART to RS232

Level shift the calibration signal from 3.3V to 5V



Level shift the bubble detection signal from 5V to 3.3V





Pressure sensors connect over SPI and have unique chip select pins

Address translator for fourth flow sensor – DNP if using only three
If the translator is not populated, connect the solder jumpers to use 4th connector

