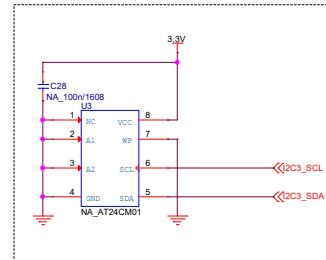
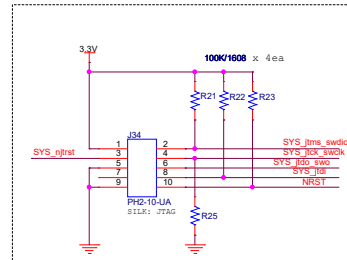


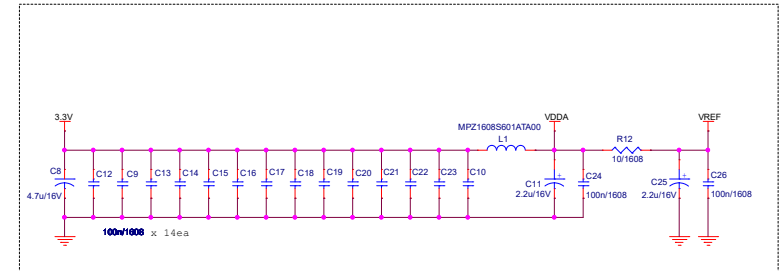
EEPROM (Not Assemble)



JTAG



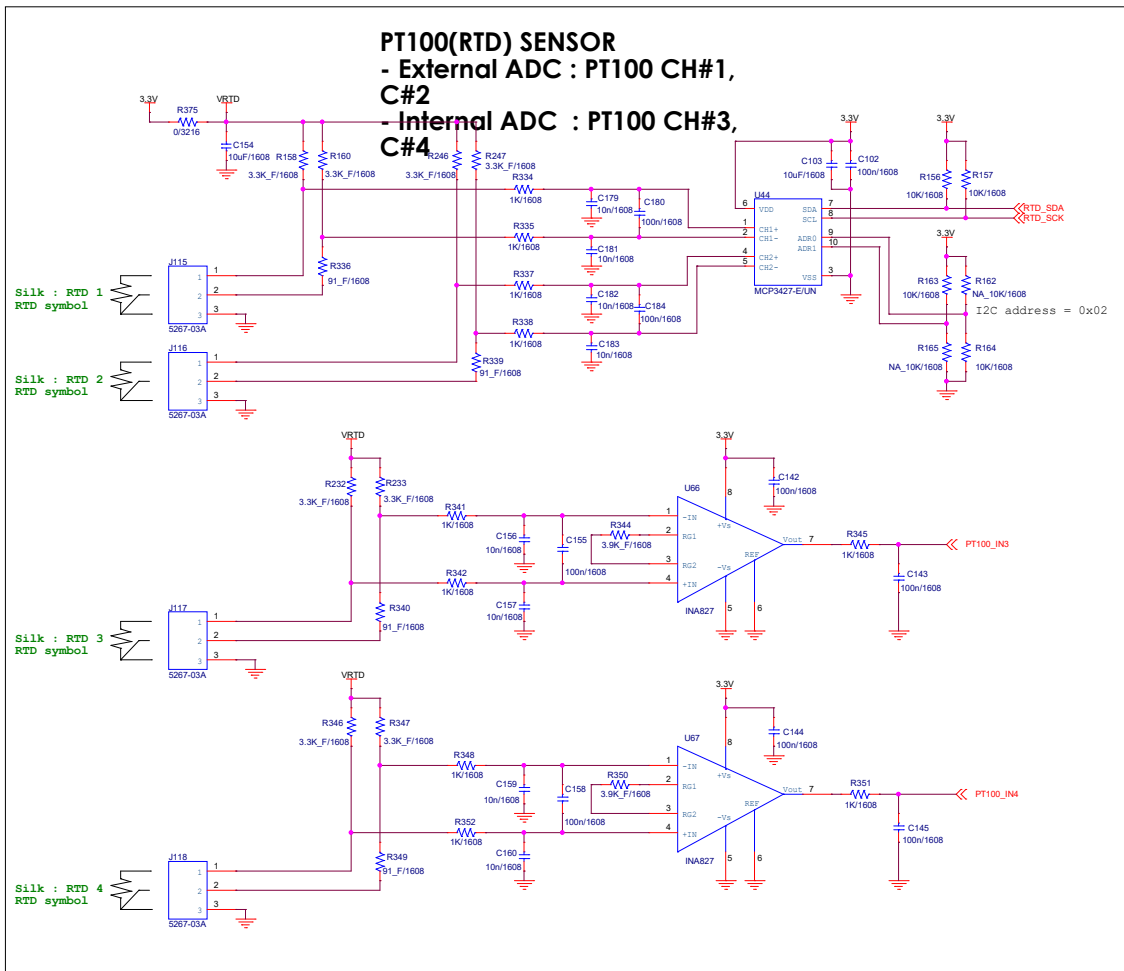
MCU POWER COUPLING CAPACITOR



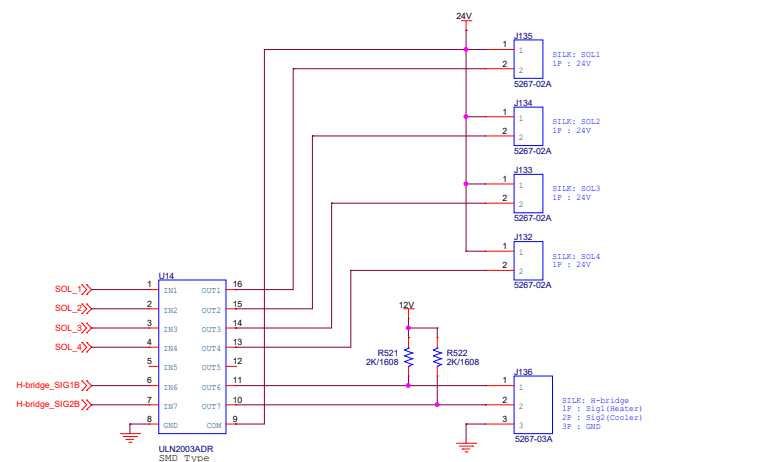
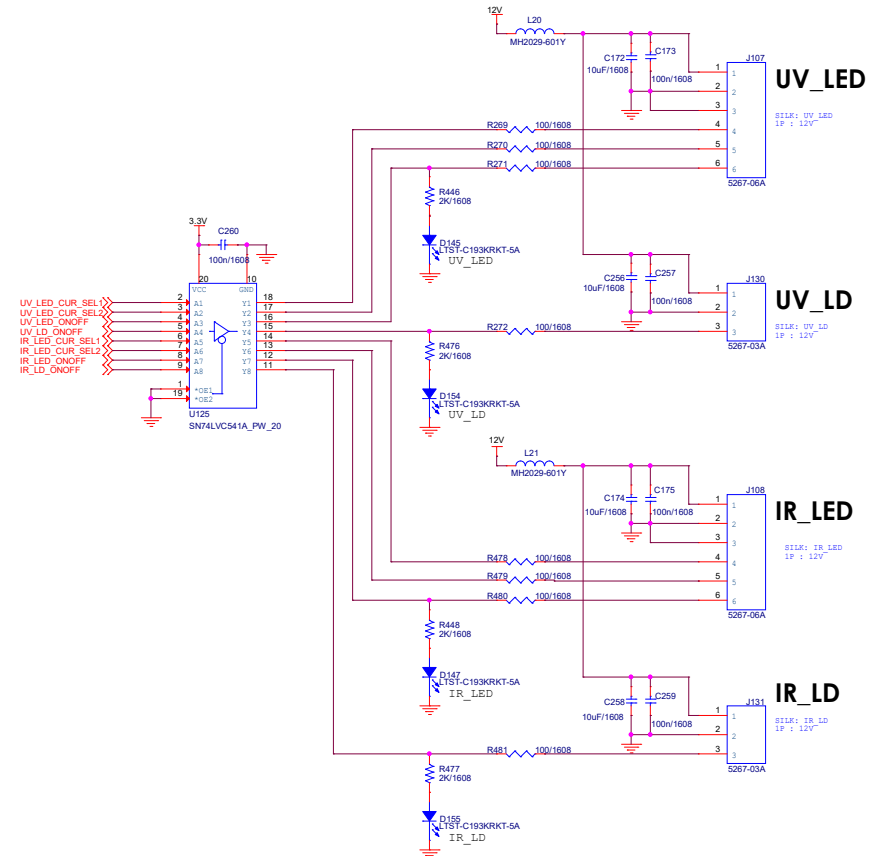
Bottom Copper:

- Nu-2000 Main Board, Rev 0.2

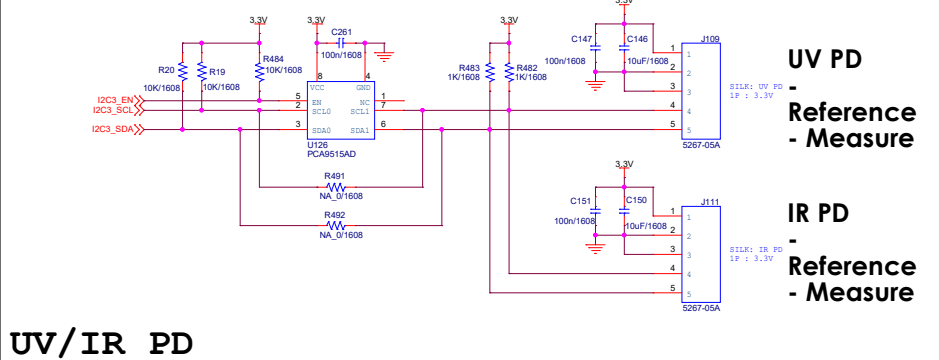
Title			
Nu-2000 Main Board			
Size A2	Document Number <Doc>		Rev 0.2
Date:	Tuesday, October 26, 2021	Sheet	1 of 5



UV/IR LED/LD Control

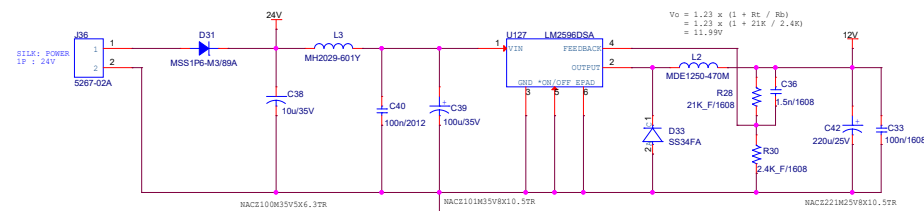


Solenoid Valve & H-bridge control

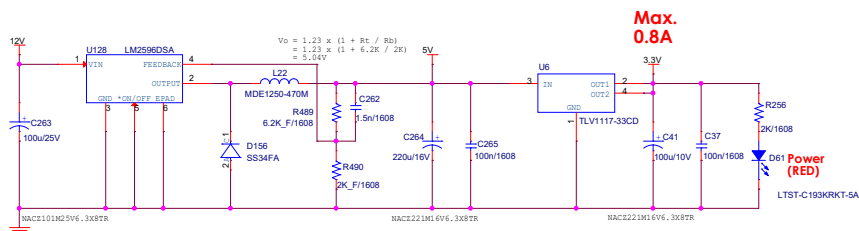


POWER SUPPLY

24V
12V
5V
3.3V



$$V_o = 1.23 \times (1 + R_t / R_b) = 1.23 \times (1 + 21K / 2.4K) = 11.99V$$

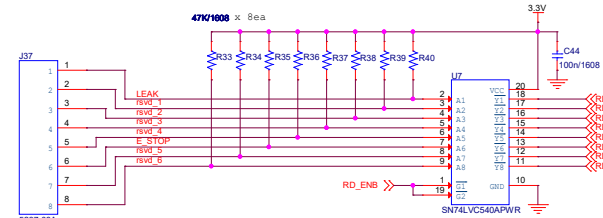


Max.
0.8A

Power
(RED)

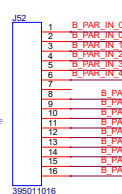
Leak Sensor Input

SILK: LEAK
IP: LEAK

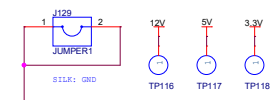


SILK: PAR IN
PAR OUT: 1P - 16P

PARALLEL IN/OUT
Terminal Block_1

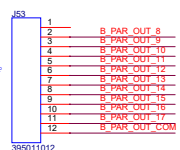


Isolation Barrier

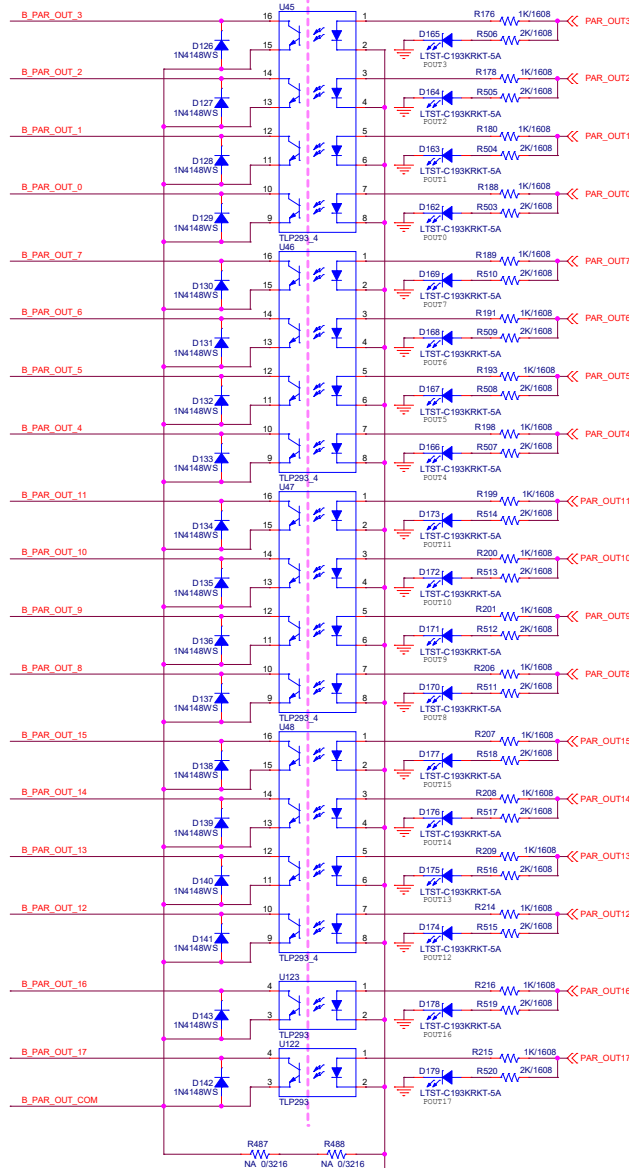


PARALLEL IN/OUT
Terminal Block_2

SILK: PAR OUT : 2P - 12P



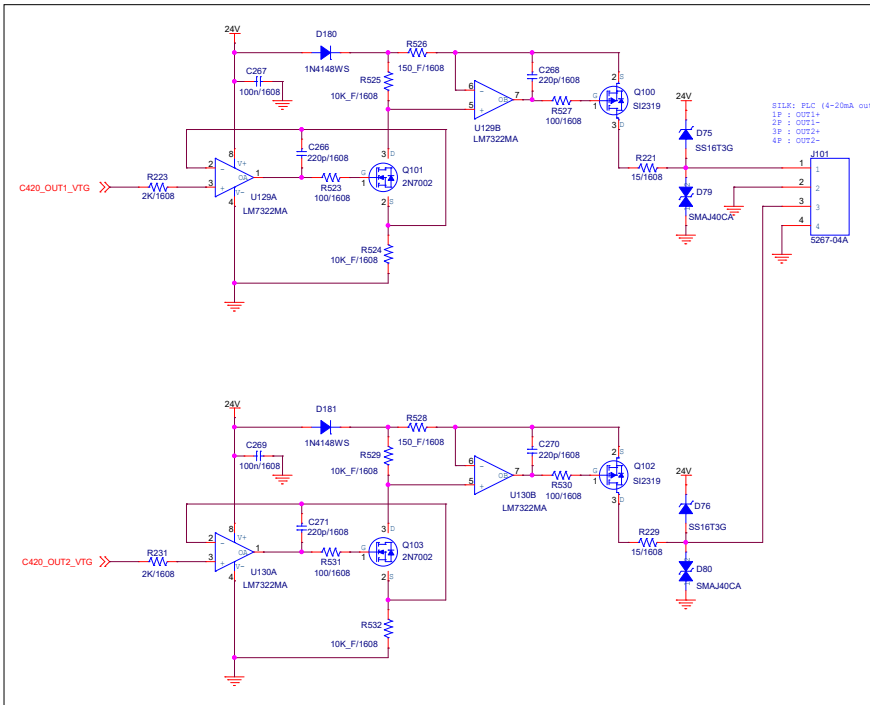
Parallel IN : 5
Ports
Parallel OUT : 18
Ports



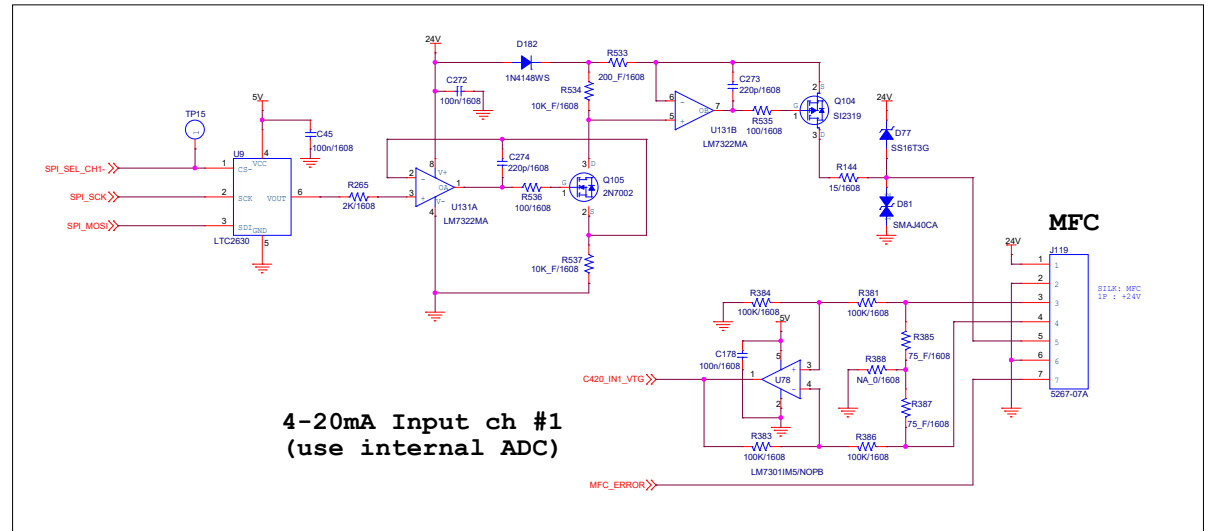
Isolation Barrier

4-20mA Output ch #1, #2 (use internal DAC)

24V >> 24V
5V >> 5V
3.3V >> 3.3V

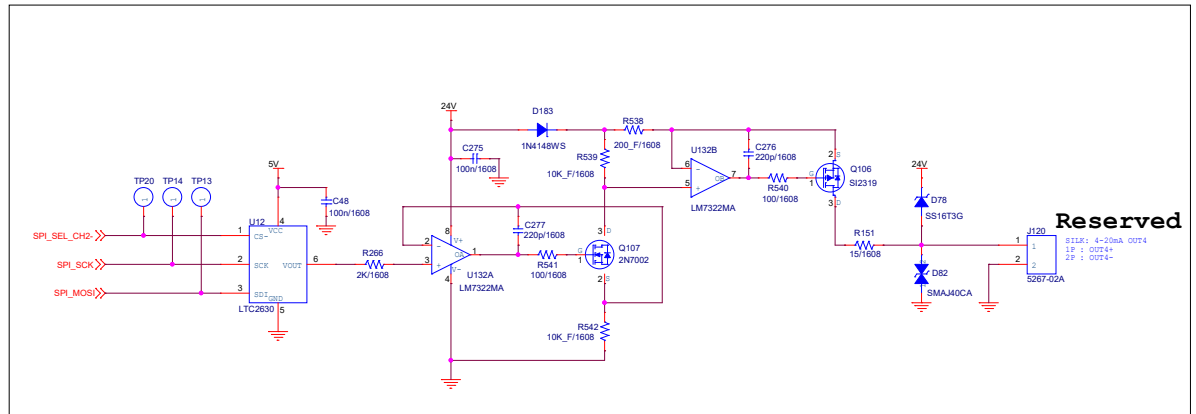


4-20mA Output ch #3 (use external DAC)



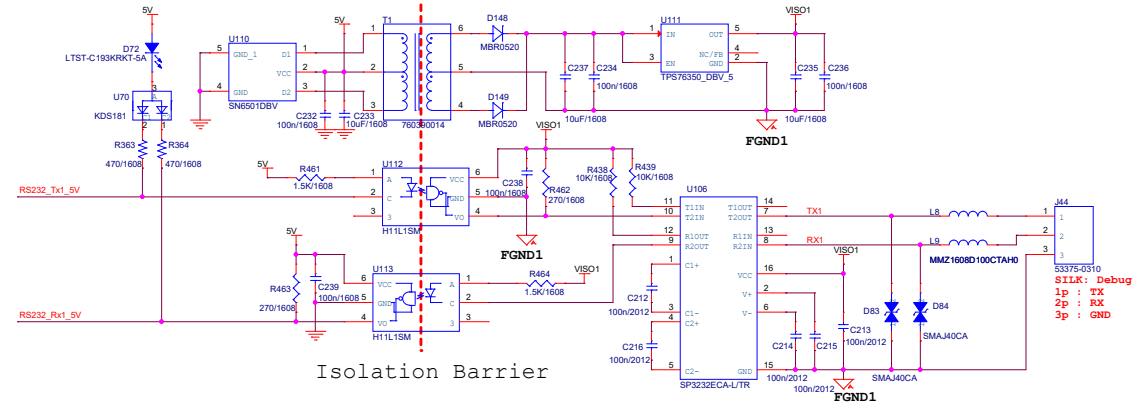
4-20mA Input ch #1 (use internal ADC)

4-20mA Output ch #4 (reserved) (use external DAC)

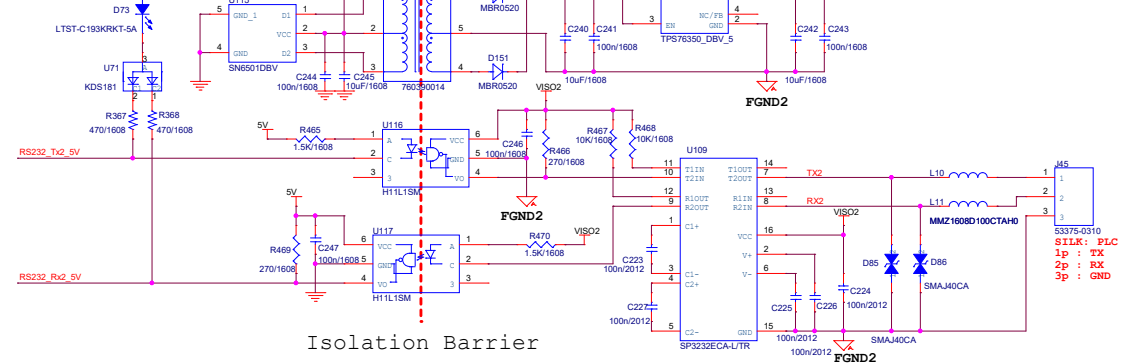


RS-232/RS-485

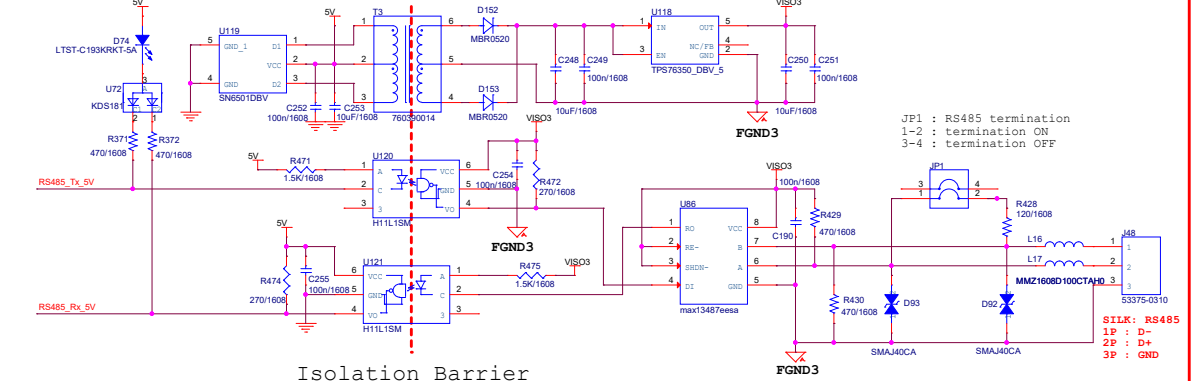
UART #1



UART #2



UART #6



RS485 (reserved)