

# NU-2000 MAIN BOARD

Version 0.1: APR-05, 2021

## SCHEMATICS PAGE DESCRIPTIONS

P01: COVER  
P02: MCU  
P03: PWR, ADC  
P04: PARALLEL IN/OUT  
P05: DAC  
P06: UART(RS232, RS485)

## INDICATION LED for SYSTEM POWER

## INPUT POWER SUPPLY RATING

+24VDC: INPUT  
+5VDC: 1.2A (Max)  
+3.3VDC : 800mA (Max)

## INDICATION LED for BOARD STATUS

D27 : RED  
D28 : YELLOW

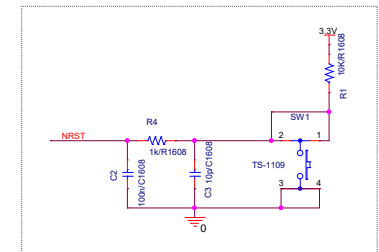
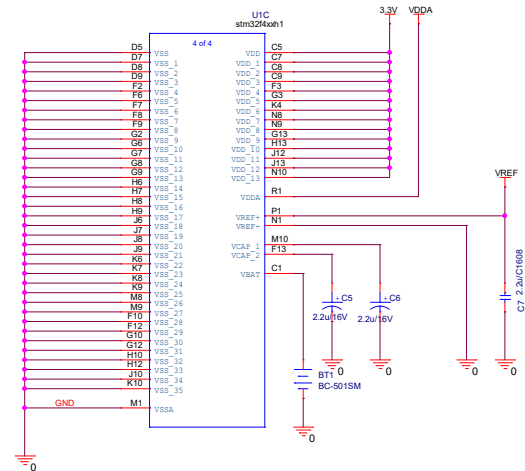
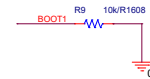
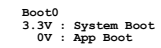
## TOP SILK

ATiK  
Logo

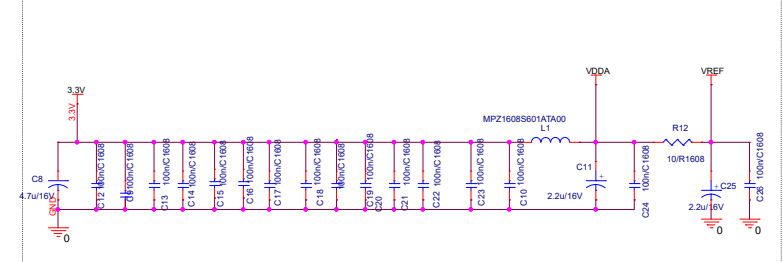
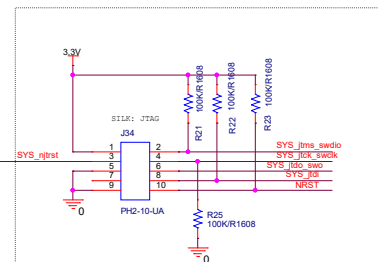
ATiK Co., Ltd  
ASS'Y: NU-2000 Main  
P/N : NU-2000 Main, Rev0.1  
S/N :

## BOTTOM COPPER

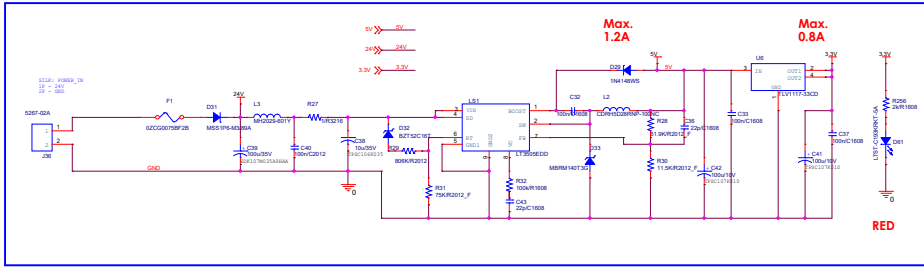
PCB P/N : NU-2000 Main, Rev0.1



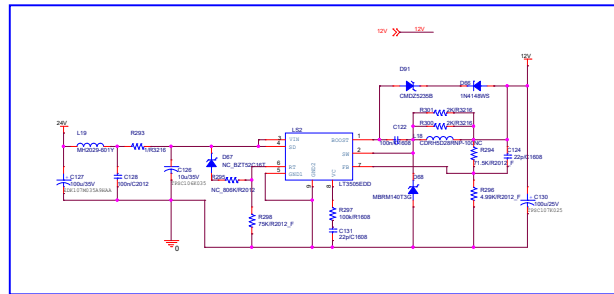
MCU POWER COUPLING CAPACITOR



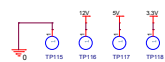
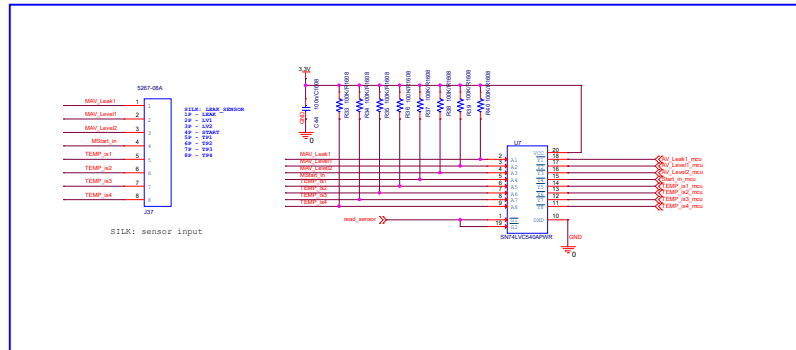
## POWER SUPPLY for +5.0V, +3.3V



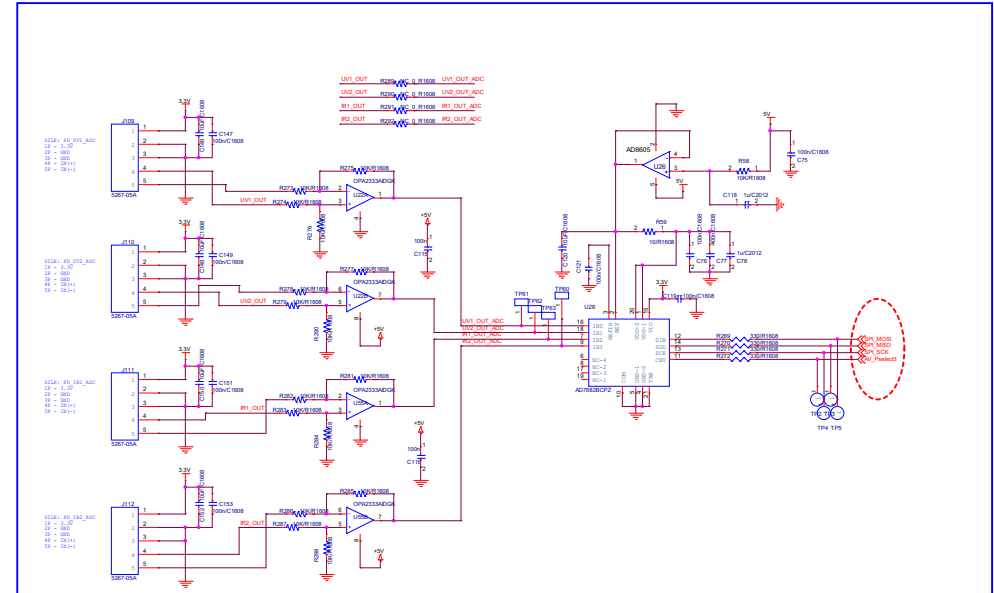
## LED 12V POWER



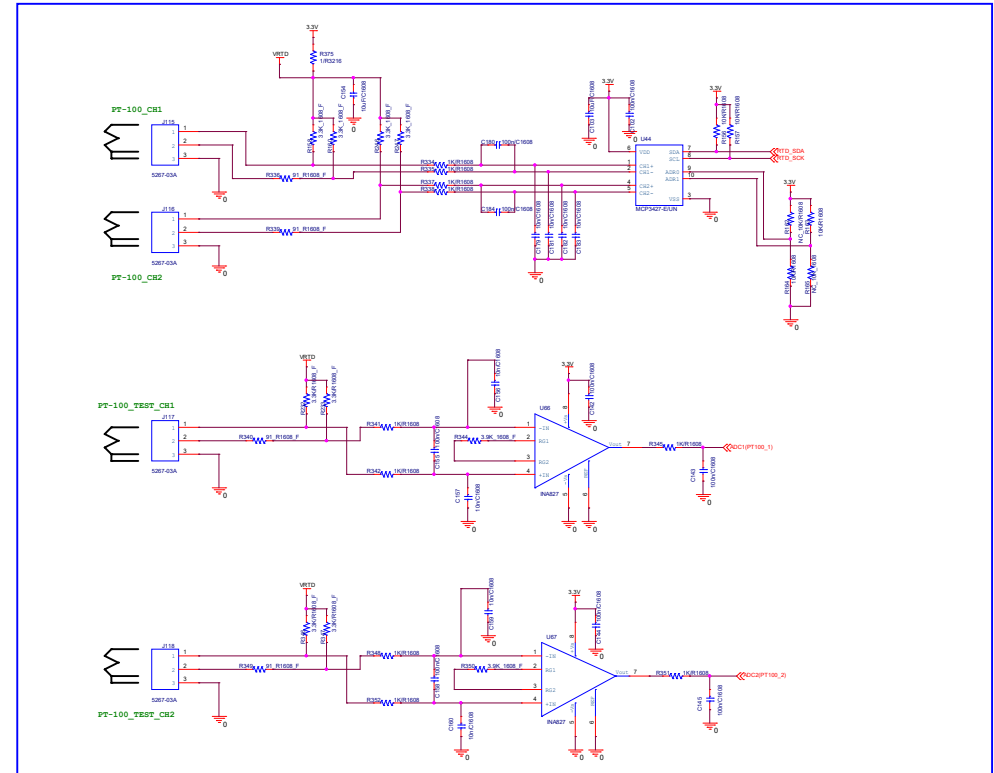
## Leak Sensor Input Circuit



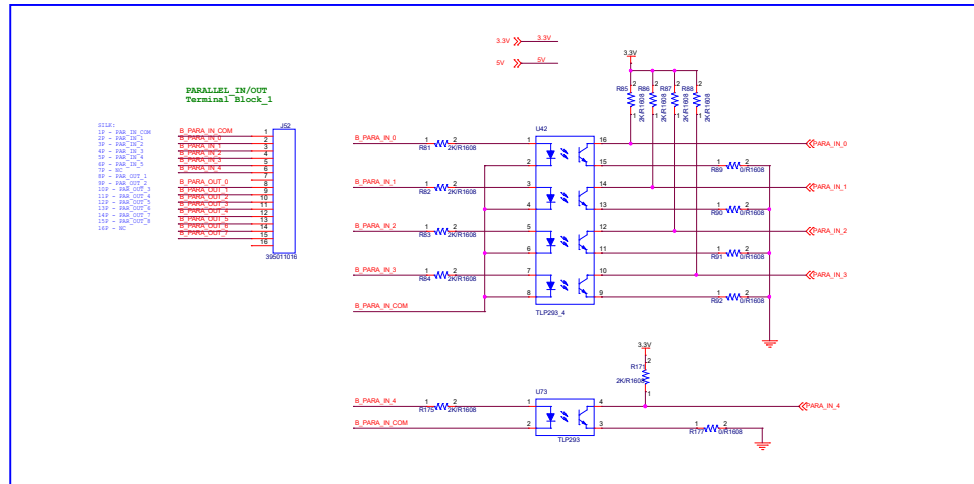
## ADC (Photo Detector)



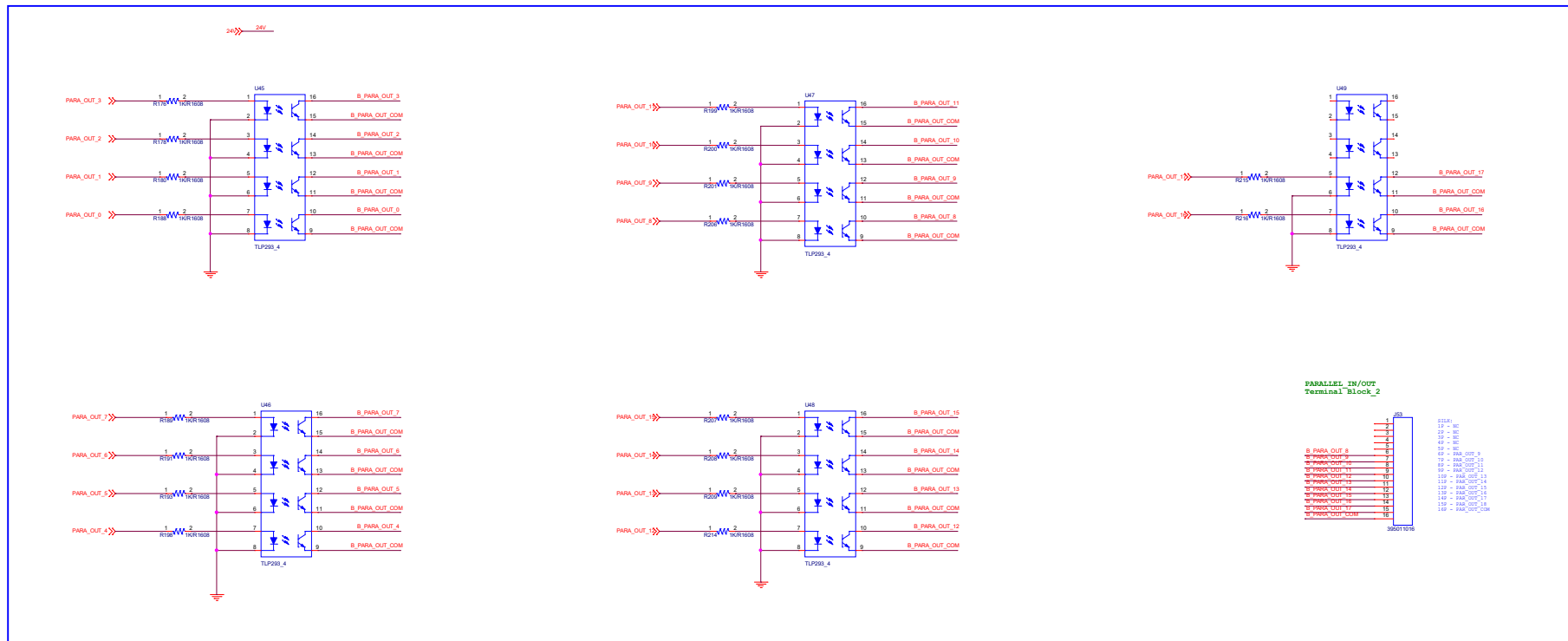
## RTD SENSOR (2Port)



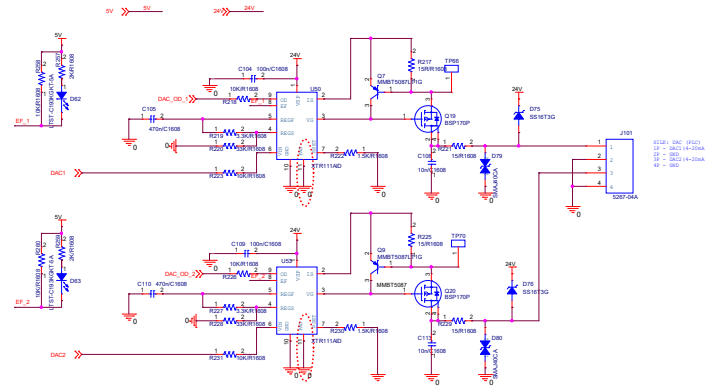
### PARALLEL IN (5 Port)



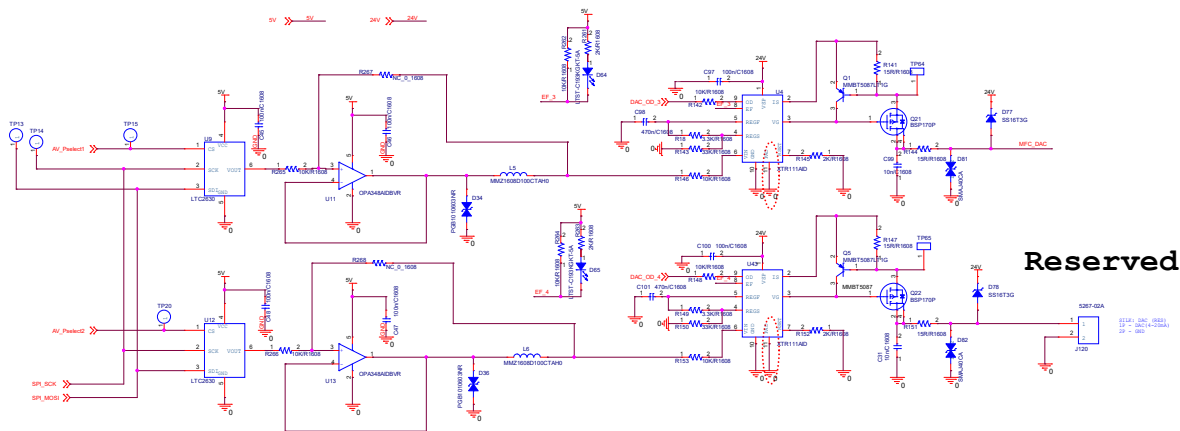
## PARALLEL OUT (18 Port)



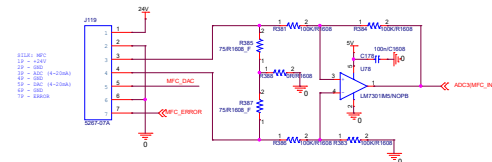
Internal DAC\_OUT (PLC)



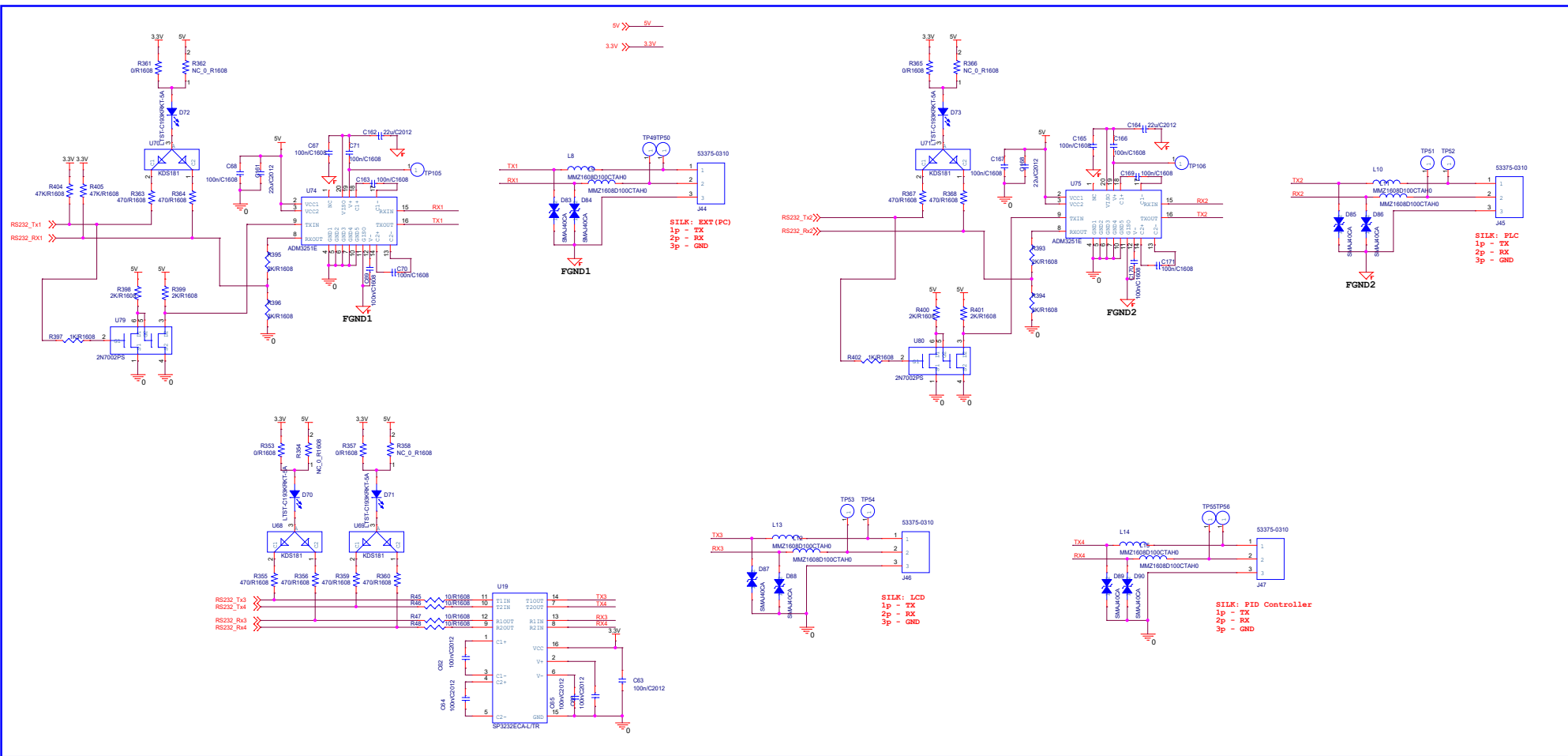
External DAC\_OUT (MFC)



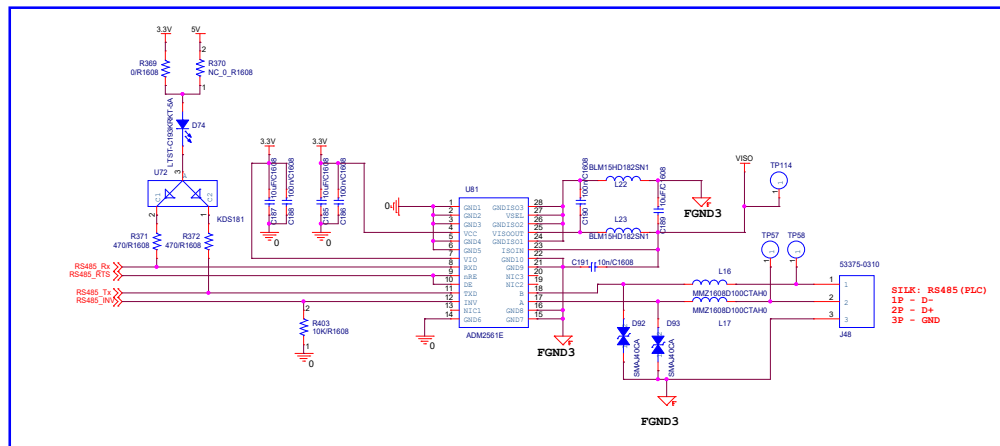
## MFC CON (7P)



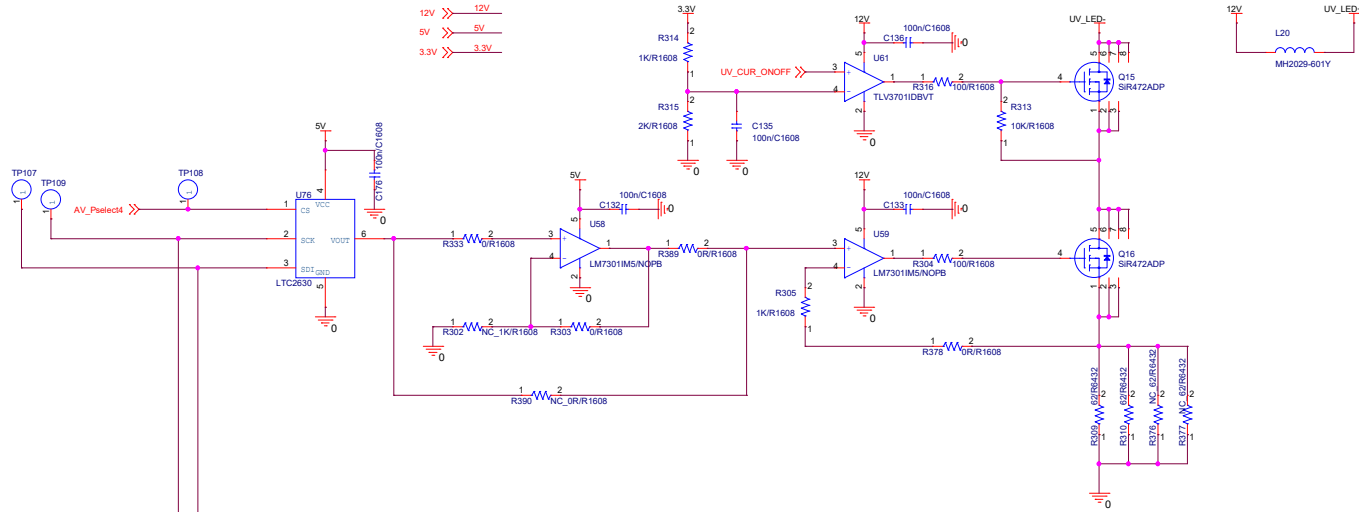
## RS232 (PLC ,LCD ,PID ,EXT-4Port)



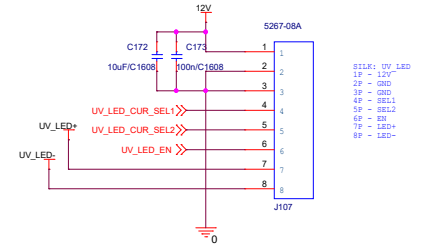
## RS485 (PLC-1Port)



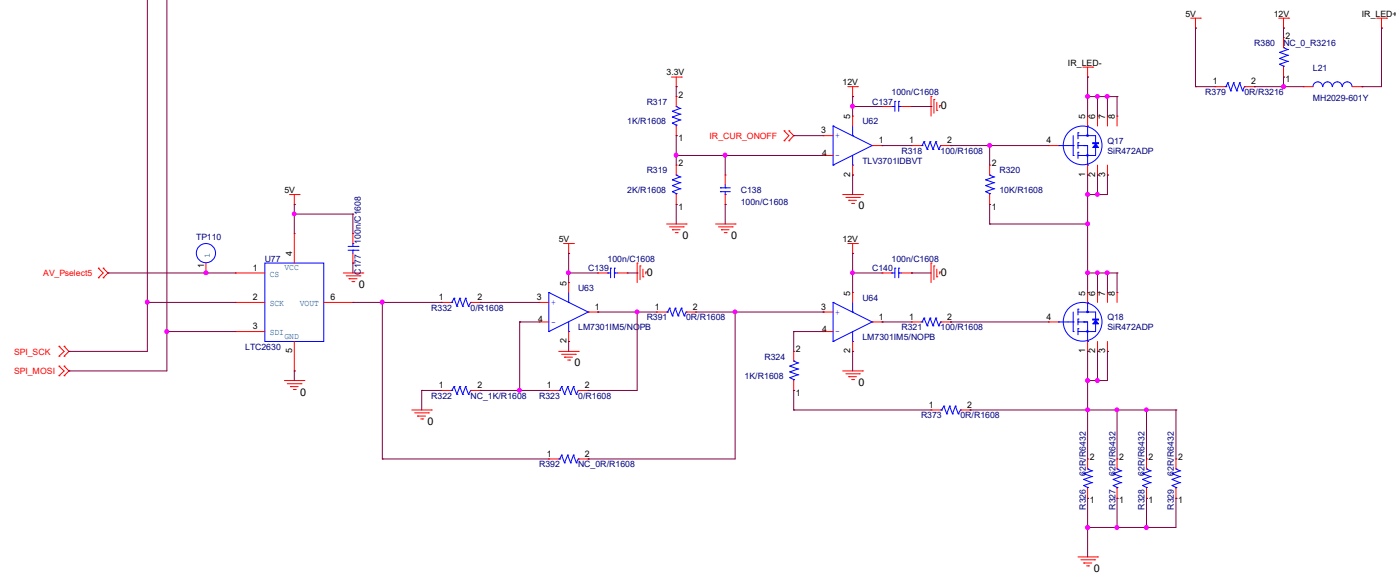
## UV LED Current Control



# UV\_LED



## IR LED Current Control



## IR\_LED

