

PSI-1000/3000 MAIN BOARD

Version 0.2: July-27, 2021

SCHEMATICS PAGE DESCRIPTIONS

P01: COVER
P02: MCU
P03: PWR, ADC, GPIO(ALD IN/OUT), LED
P04: DAC
P05: UART(RS232, RS485), Ethernet

INDICATION LED for SYSTEM POWER

INPUT POWER SUPPLY RATING

+24VDC: INPUT
+12VDC : 1.2A (Max)
+5VDC : 1.2A (Max)
+3.3VDC : 800mA (Max)

INDICATION LED for BOARD STATUS

D1 : YELLOW
D2 : GREEN
D3 : RED

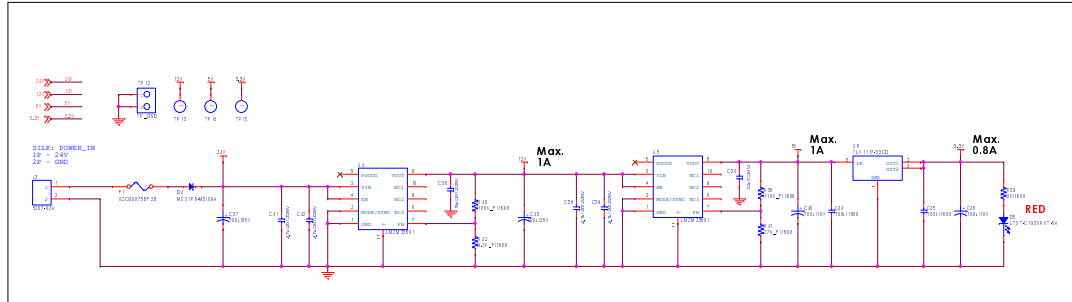
TOP SILK

ATiK
Logo

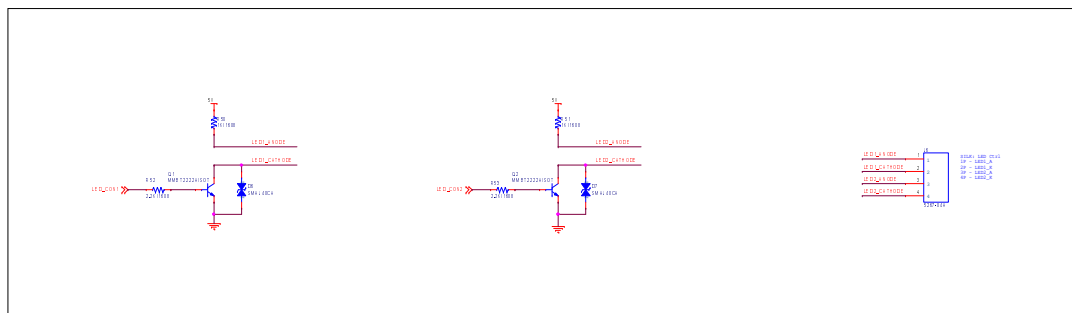
ATiK Co., Ltd
ASS'Y: PSI-1000/3000 Main
P/N : PSI-1000/3000 Main, Rev0.2
S/N :

Title			PSI-1000/3000 Main		
Rev	Document Number			Rev	
A2	"Doc"				0.2
Date	Friday, July 30, 2021	Sheet	1	of	6

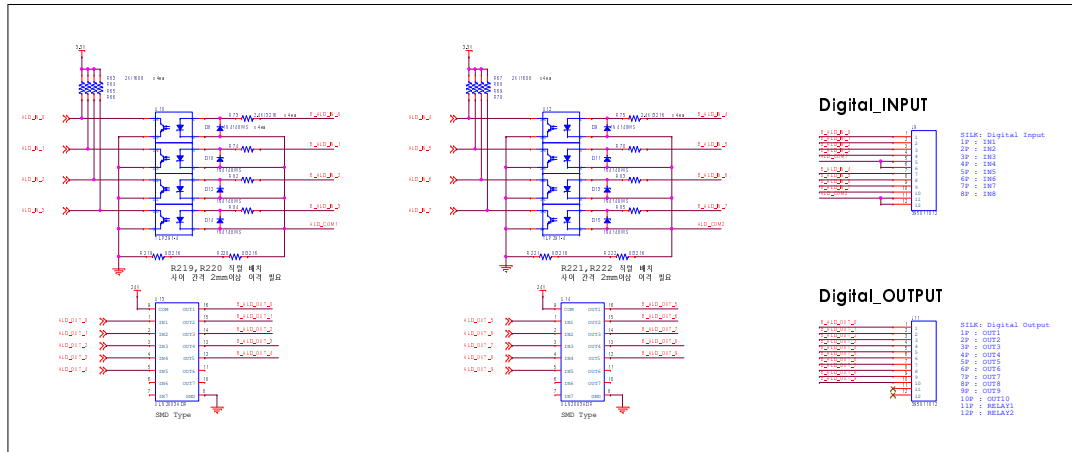
POWER SUPPLY for +5.0V, +3.3V



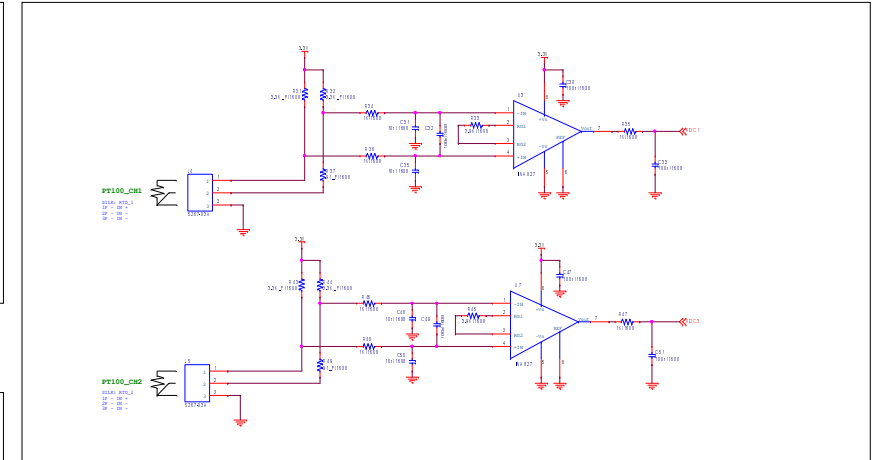
LED (External 2-Port)



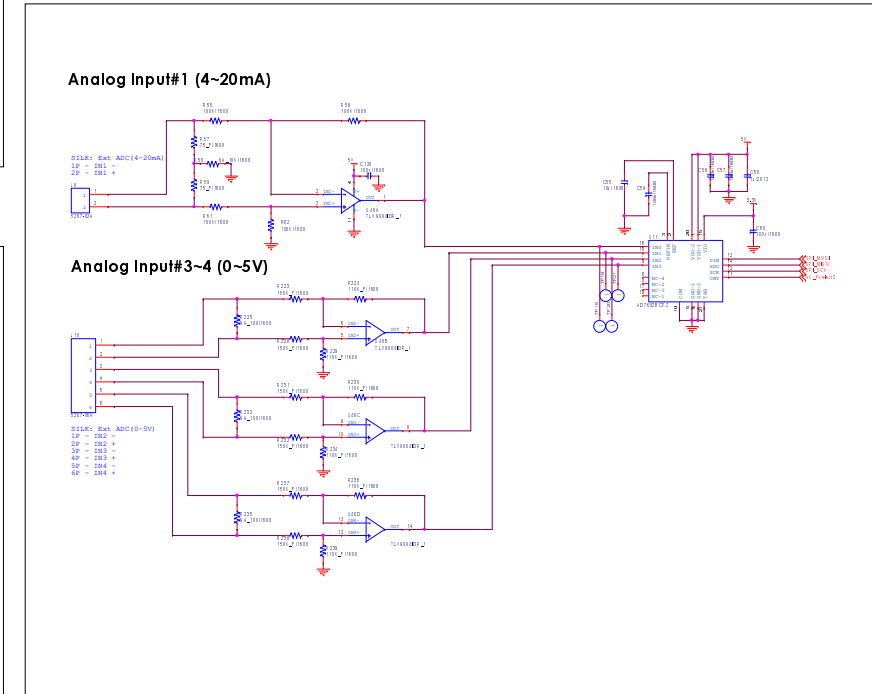
GPIO(Digital Input 8-Port / Output 10-Port)



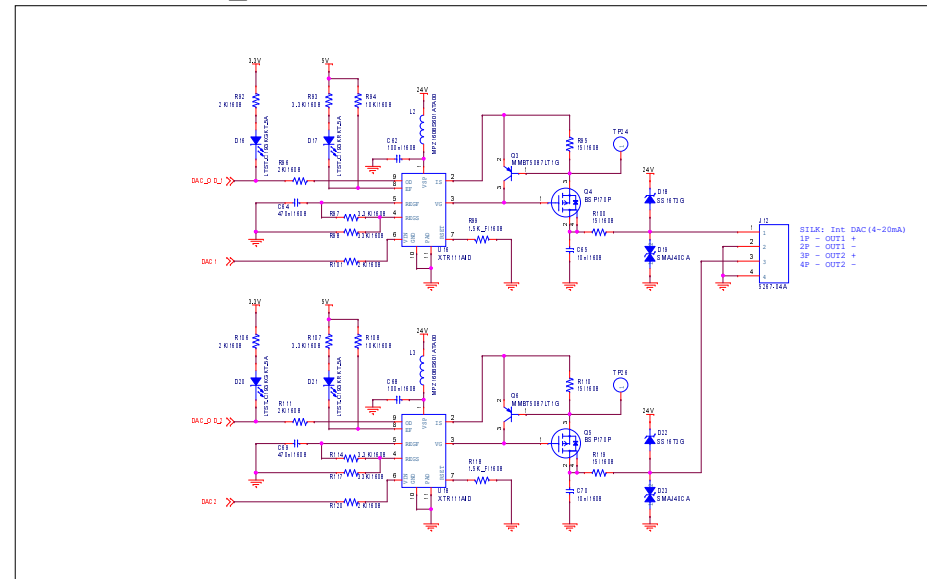
Internal ADC



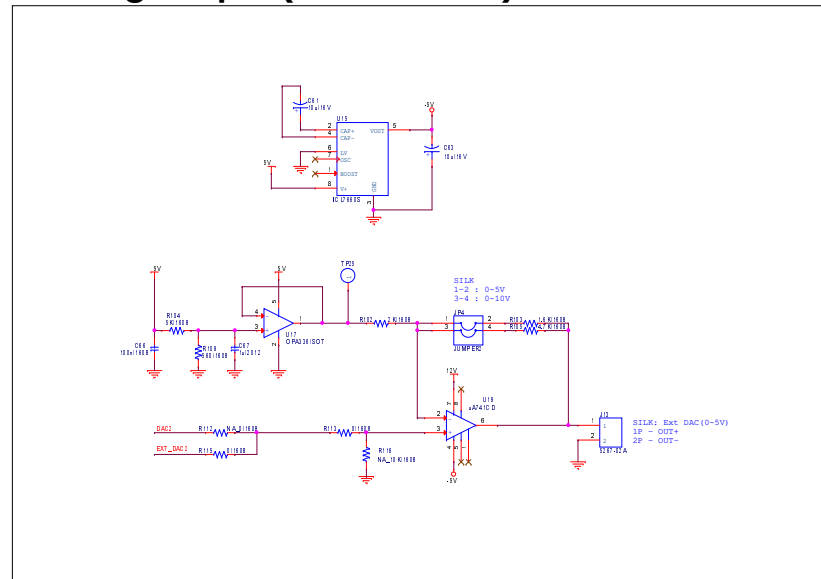
External ADC



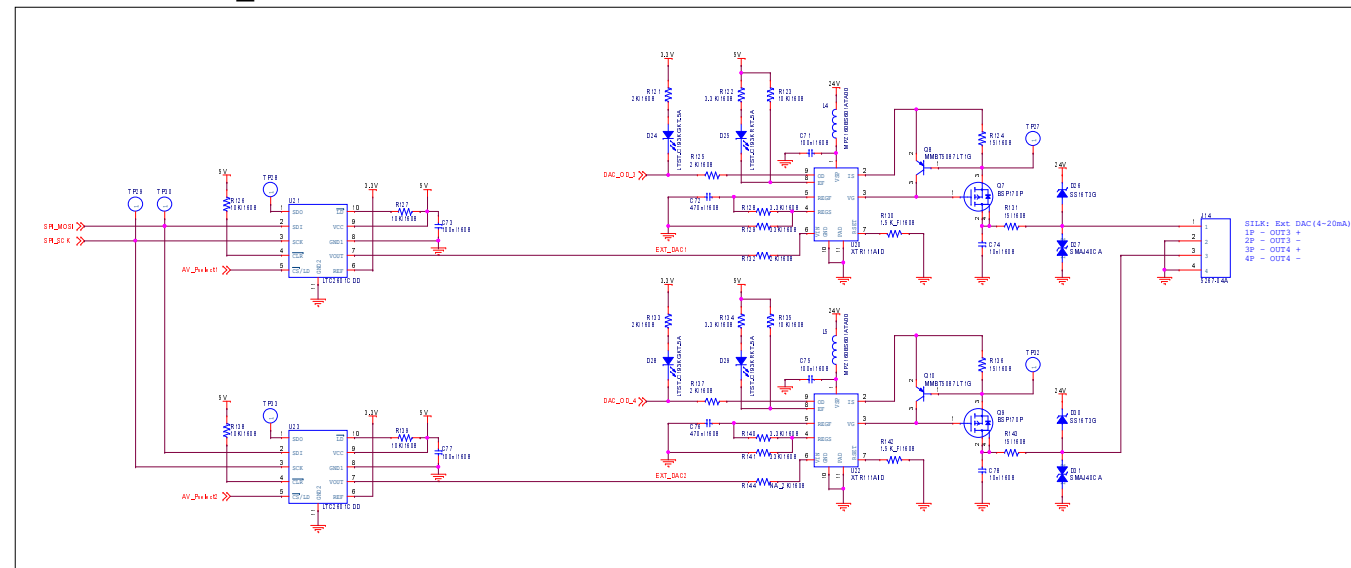
Internal DAC_OUT



Analog Output (0~10V, 0~5V)



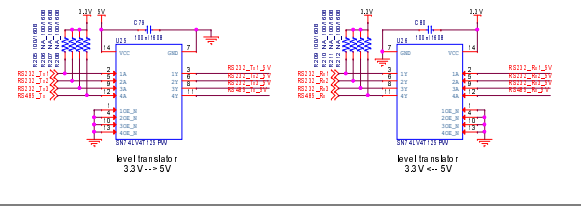
External DAC_OUT



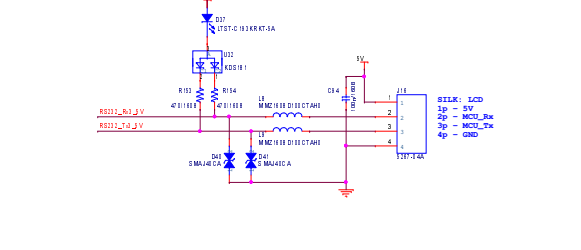
RS232 (PC , DEBUG , LCD , RESEVED-4Port) , Ethernet

1V
3.3V

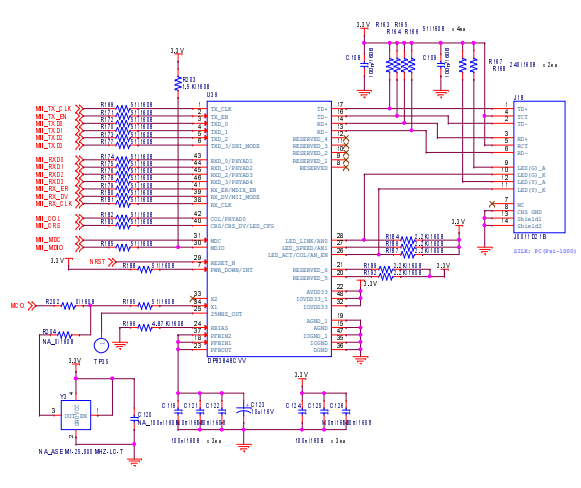
Level translator



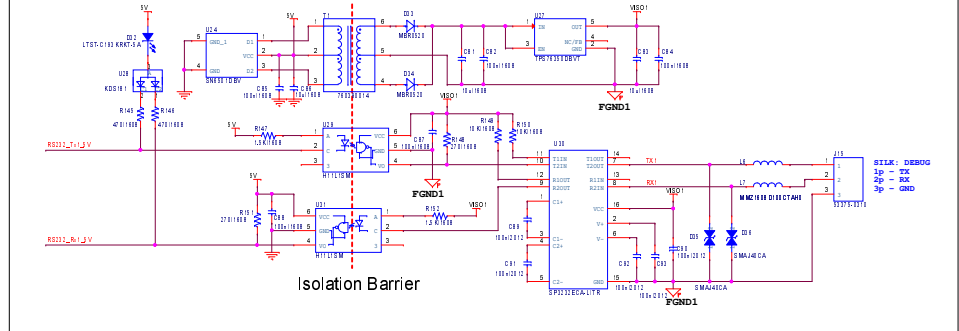
UART #3



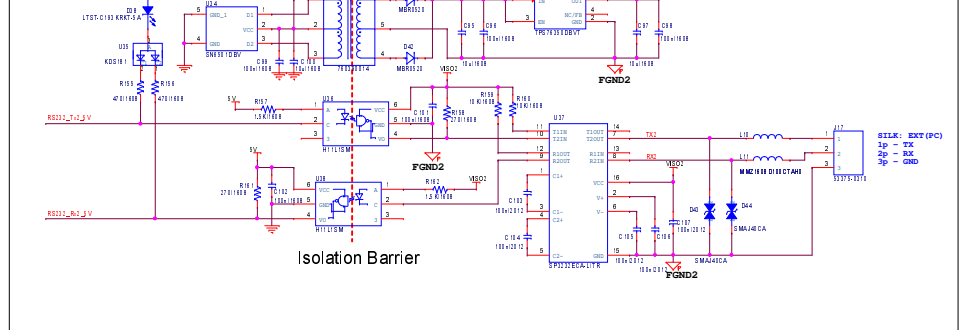
Ethernet



UART #1



UART #2



UART #6

