

PSI-3000 MAIN BOARD

Version 0.1: APR-22, 2021

SCHEMATICS PAGE DESCRIPTIONS

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

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

D27 : GREEN
D28 : RED
D60 : YELLOW

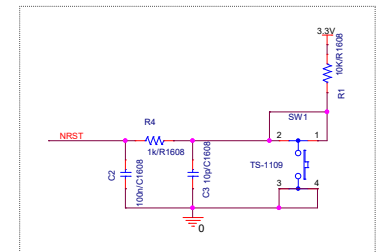
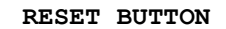
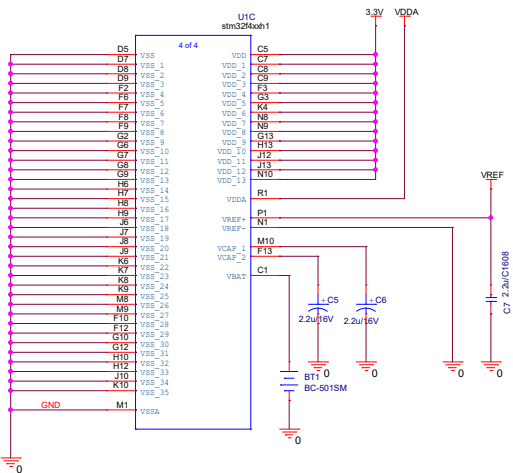
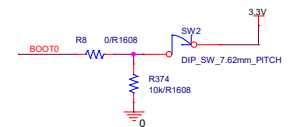
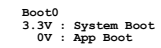
TOP SILK

ATiK
Logo

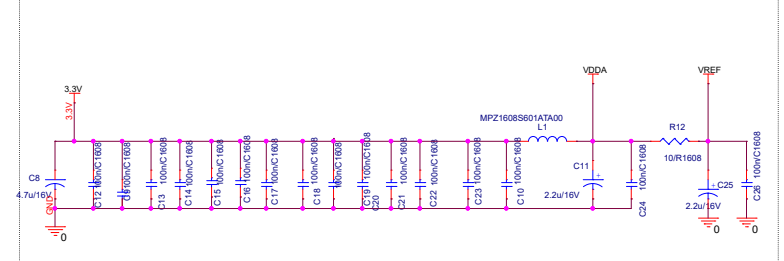
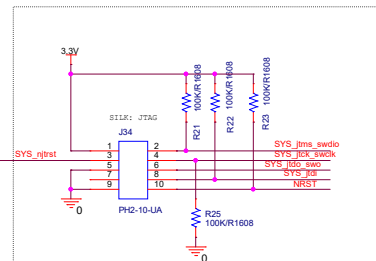
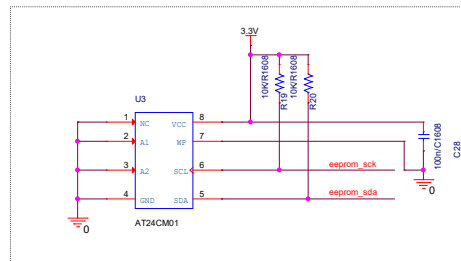
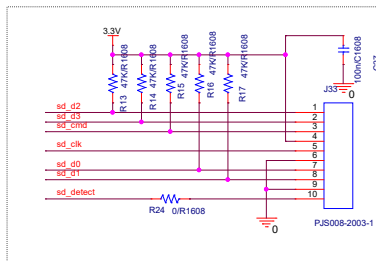
ATiK Co., Ltd
ASS'Y: PSI-3000 Main
P/N : PSI-3000 Main, Rev0.1
S/N :

BOTTOM COPPER

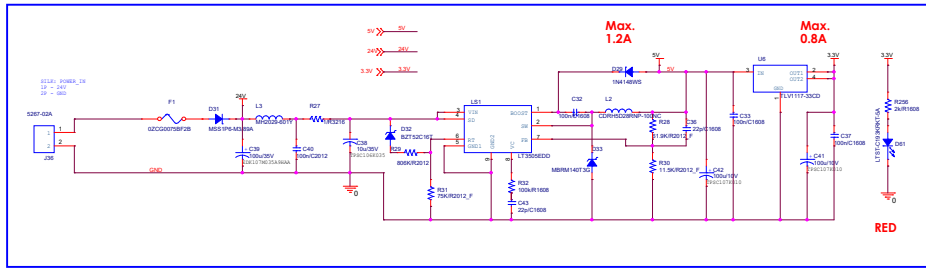
PCB P/N : PSI-3000 Main, Rev0.1



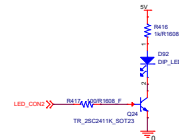
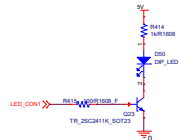
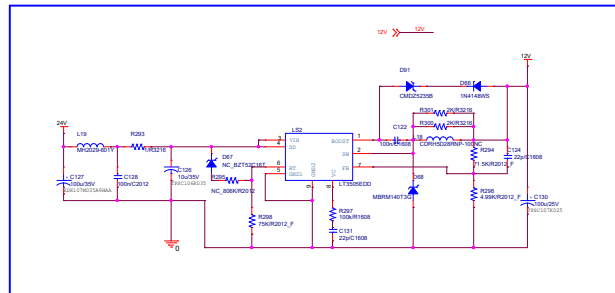
MCU POWER COUPING CAPACITOR



POWER SUPPLY for +5.0V, +3.3V



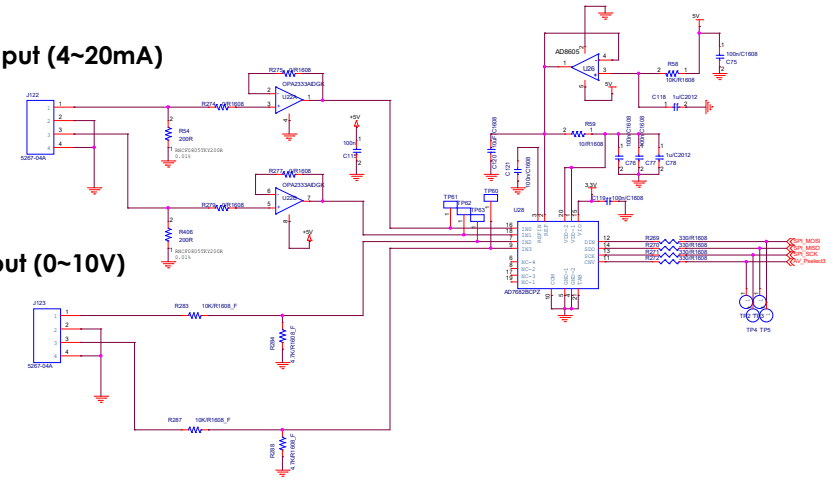
LED 12V POWER



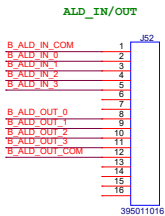
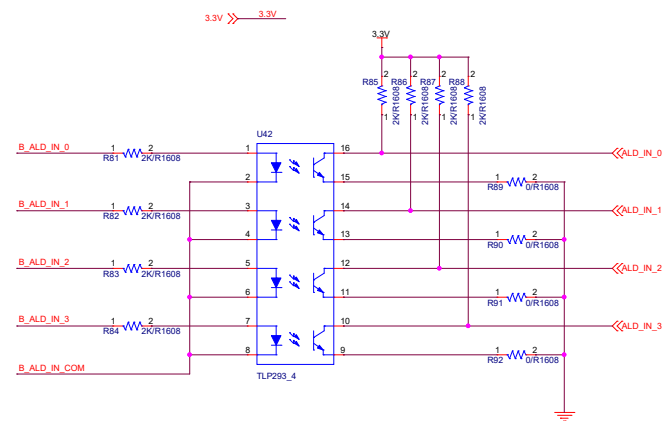
ADC (Photo Detector)

Analog Input (4~20mA)

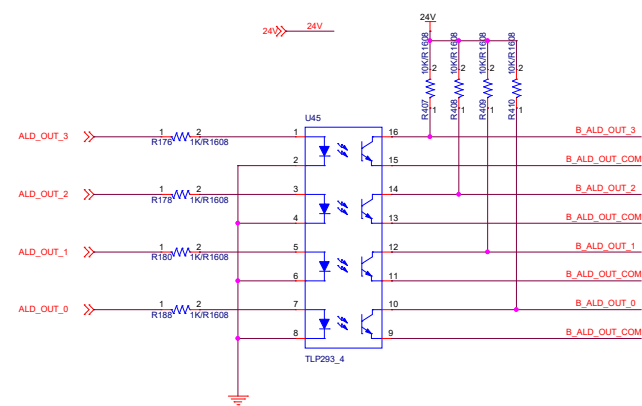
Analog Input (0~10V)



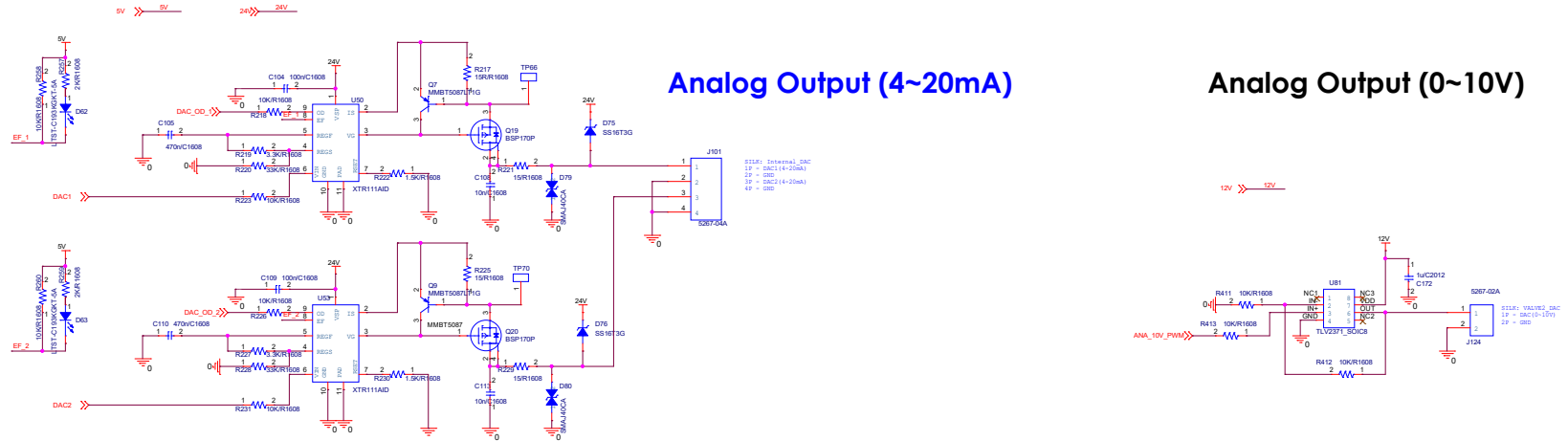
ALD_IN (4 Port)



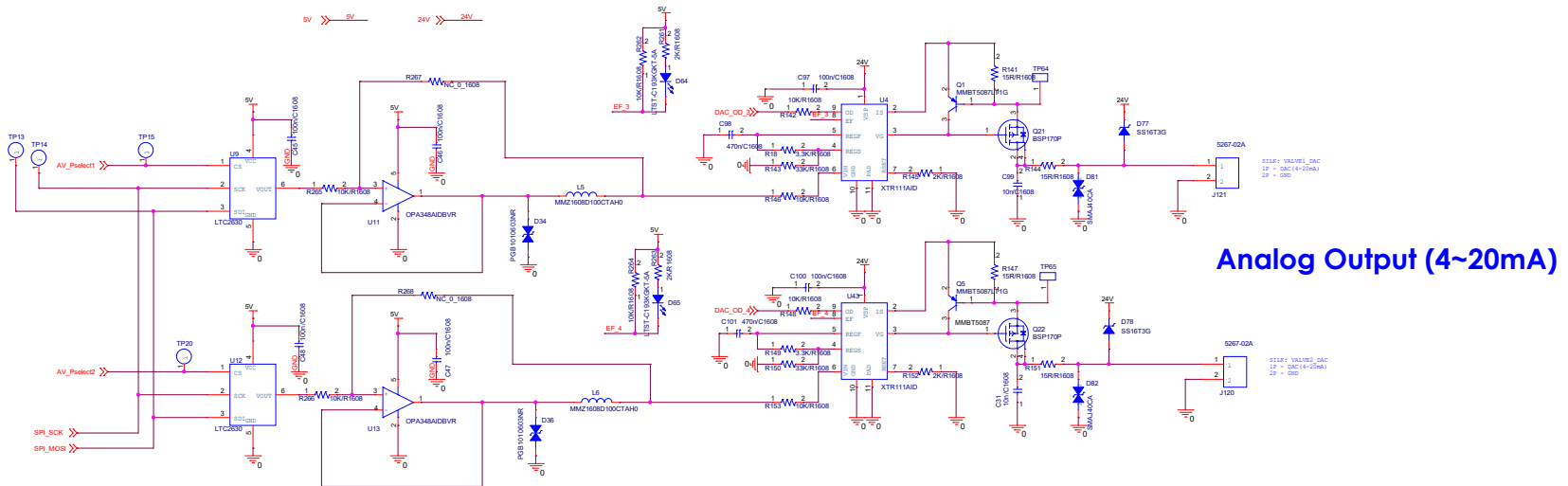
ALD_OUT (4 Port)



Internal DAC_OUT



External DAC_OUT



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

