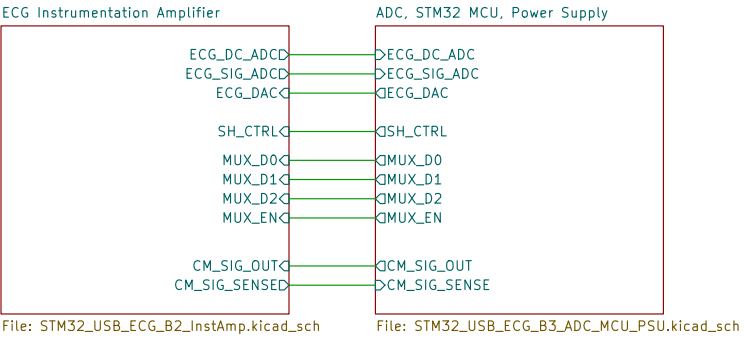
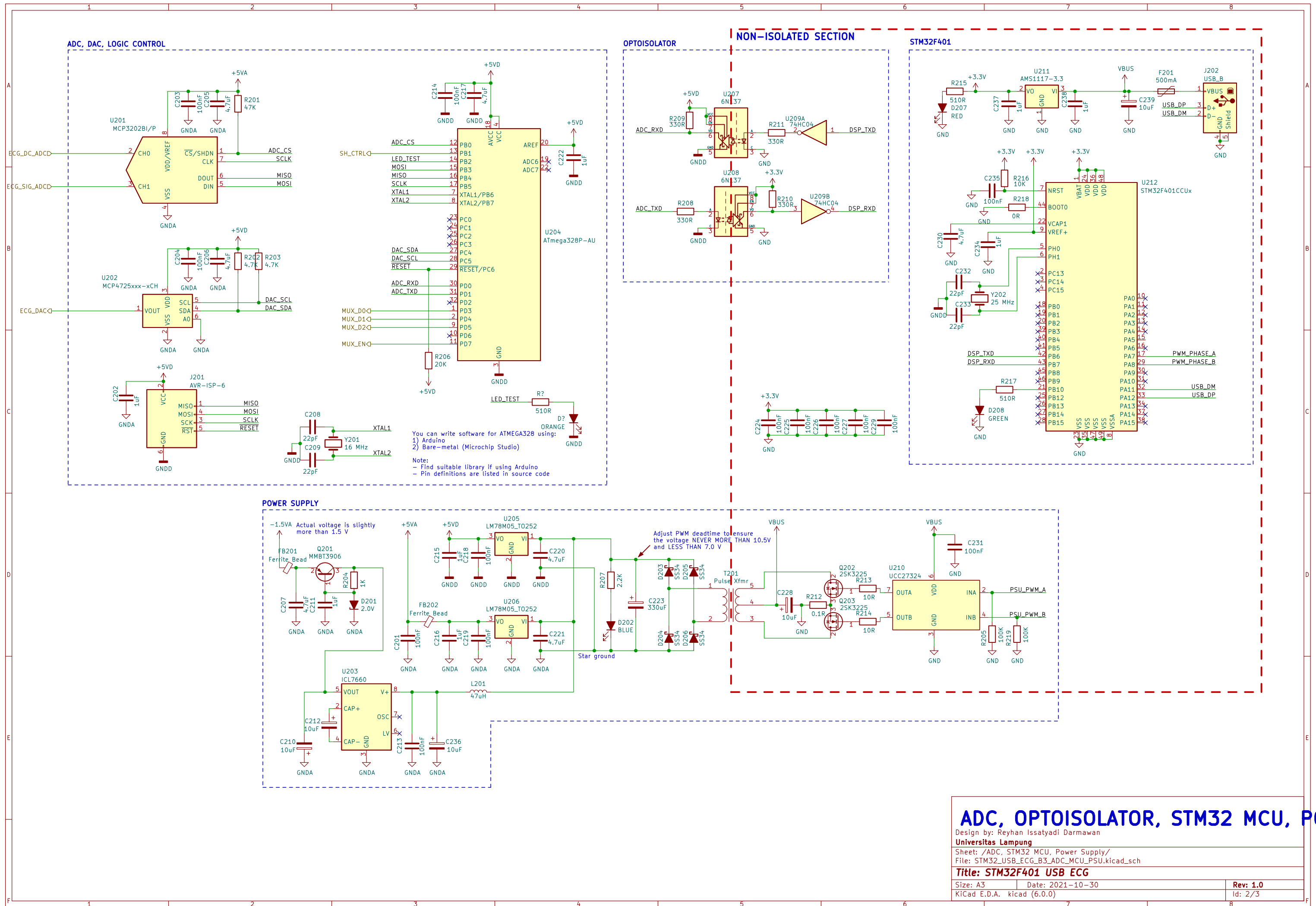
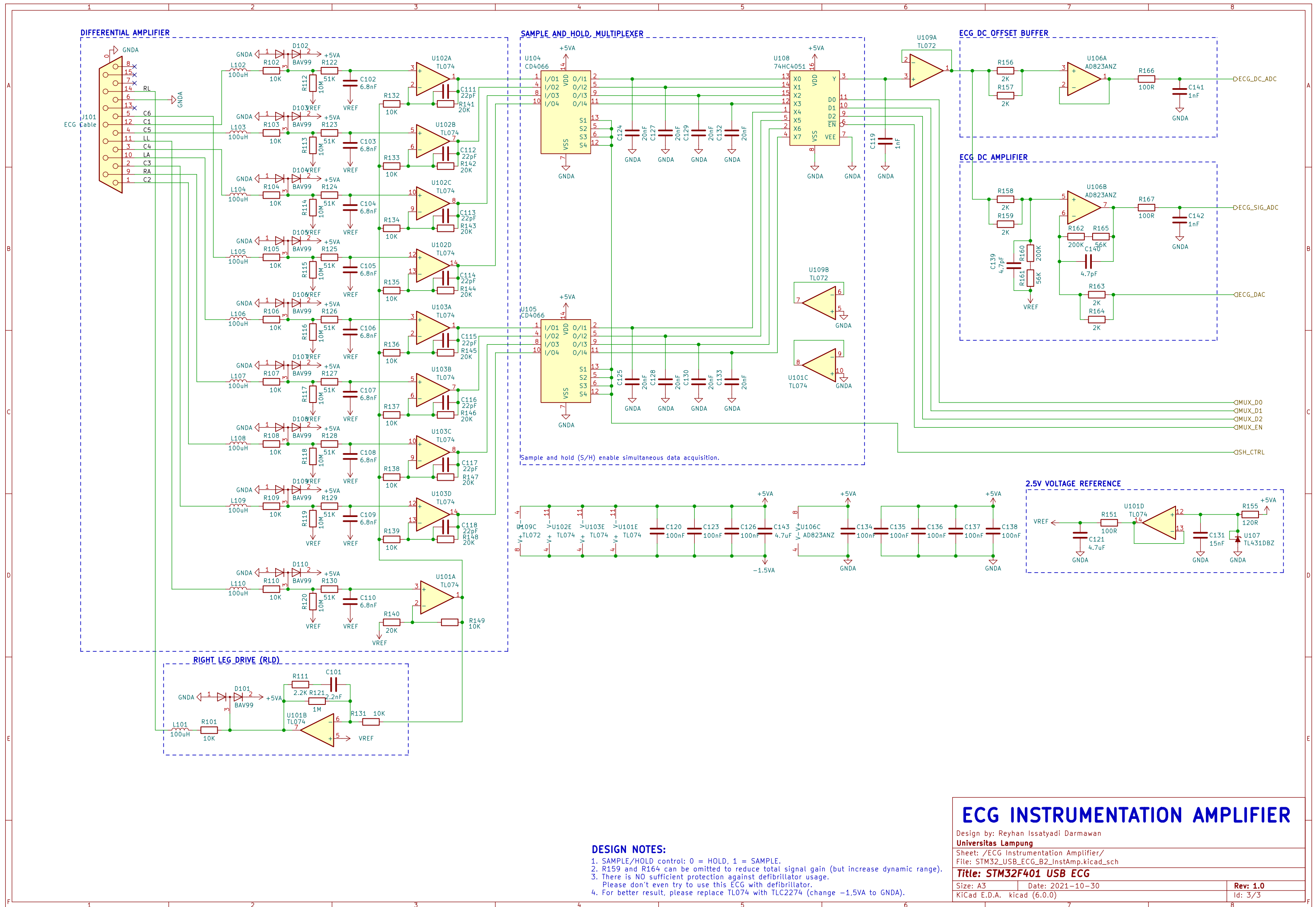


SYSTEM BLOCK DIAGRAM







DESIGN NOTES:

1. SAMPLE/HOLD control: 0 = HOLD, 1 = SAMPLE.
2. R159 and R164 can be omitted to reduce total signal gain (but increase dynamic range).
3. There is NO sufficient protection against defibrillator usage. Please don't even try to use this ECG with defibrillator.
4. For better result, please replace TL074 with TLC2274 (change -1.5VA to GNDA).

ECG INSTRUMENTATION AMPLIFIER		
Design by: Reyhan Issatyadi Darmawan		
Universitas Lampung		
Sheet: /ECG Instrumentation Amplifier/		
File: STM32_USB_ECG_B2_InstAmp.kicad_sch		
Title: STM32F401 USB ECG		
Size: A3	Date: 2021-10-30	Rev: 1.0
KiCad E.D.A. kicad (6.0.0)		Id: 3/3