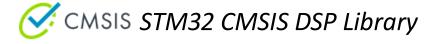
Integrated Development Environment for STM32



Bio-ExG: Multi-biosignal Amplifier System design 01





Upside Down Labs

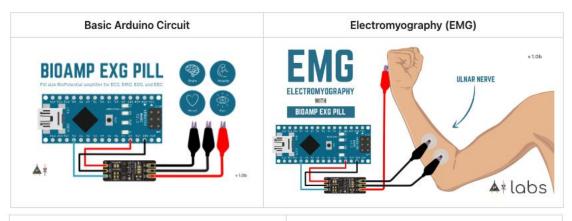
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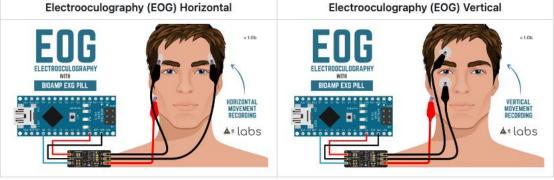
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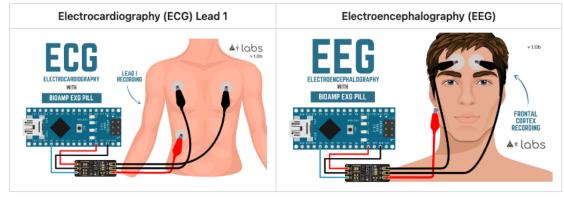


BioAmp EXG Pill is a small (2.54 X 1.00 cm) and elegant Analog Front End (AFE) board for BioPotential signal acquisition that you can use with any 5v Micro Controller Unit (MCU) with an ADC. It is capable of recording publication grade BioPotential signals like ECG, EMG, EOG, and EEG without the inclusion of any dedicated Hardware/Software filter, see BioAmp EXG Pill v0.7 intro video for more info. The v1.0 of BioAmp EXG pill provides even more flexibilty with configuration option for Gain, BandPass, Filter, and Electrodes.

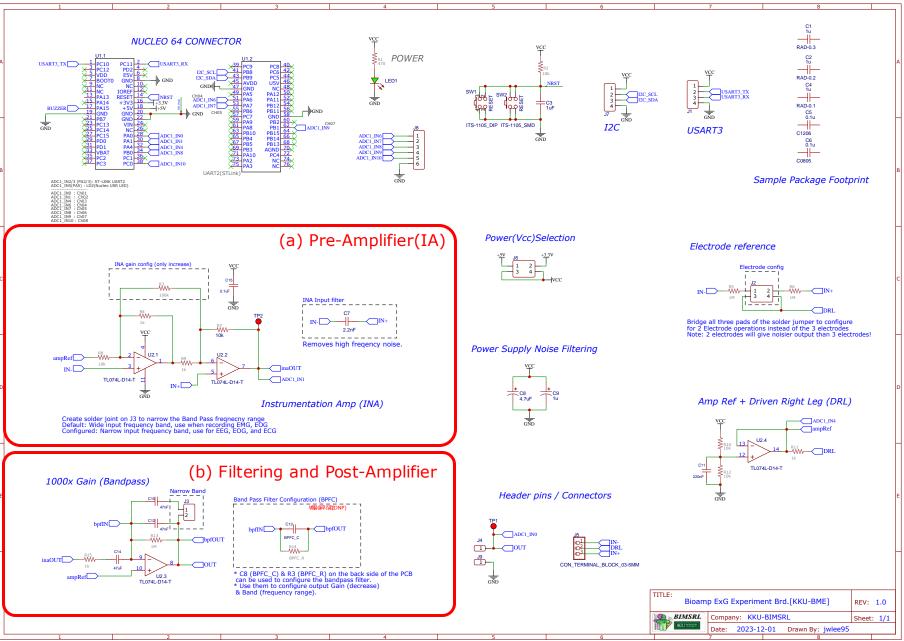


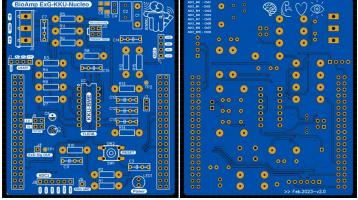


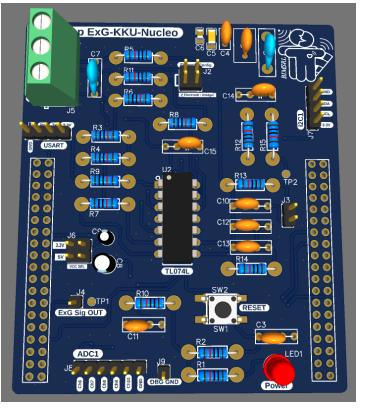


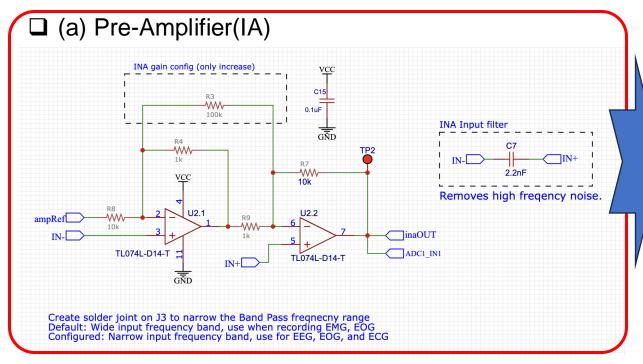


■ BioAmp ExG-KKU









* Problem Statements:

- 1. 증폭단(Pre-amplifier)의 주파수에 따른 Gain/Phase응답은 어떻게 측정할 수 있는가?.
- 2. 이론적으로 예측한 Frequency response와 실제로 측정한 결과와의 비교는 어떻게 되는가?
- 3. R3저항의 영향은 무엇인가? 실제 측정한 결과를 기반으로 비교해 보자.

(주어진 회로에 대하여 회로 방정식을 세우고 분석한 결과를 반드시 포함시키기 바람.)

☐ (b) Filtering and Post-Amplifier

