

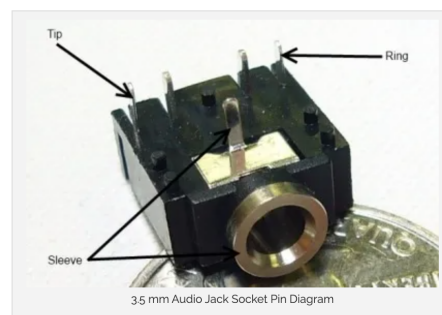
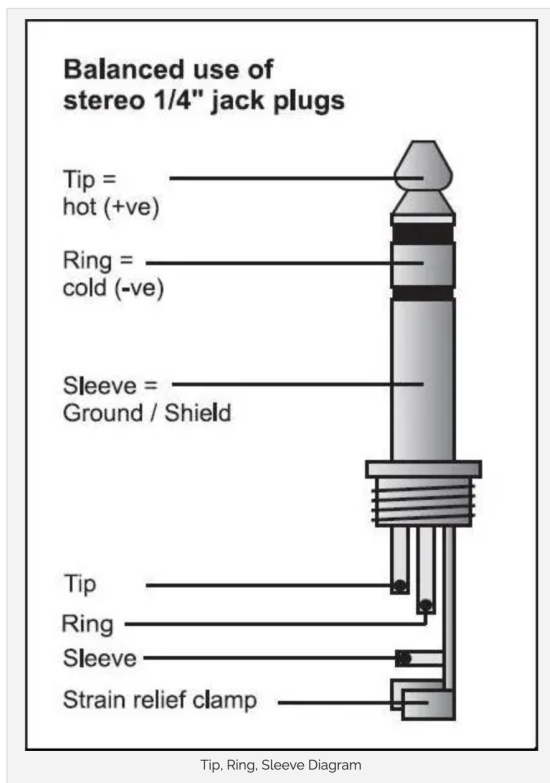
Mar 27

Today I tried out the eeg sensor.

As shown in figure below, the pins of the jack correspond to the different regions of the plug.

Initially, I connected the pins directly to the analog discovery. However, no signal was obtained. I thought maybe it was simply too small, so I used the circuit from the last workshop(transistor) to create a simple amplifier. However, no signal was obtained either. Either I have not connected it correctly or the gain was not enough. From previous notes, the signal falls between 50uV to 3500 uV, so the gain needs to be around 500 to 1000 to get our operating voltage.

As a result, I think I'll return to this after I have studied more about the amplifiers. I should form a circuit that yields the desired gain first. I also wasn't able to find which pin corresponds to which eeg cable too. I can only assume that the ring connects the red, tip the blue, and sleeve the ground.



[Figure](#)