

ETUDE TWO – MICHAEL WATTS - Submission

Part Two :

The two boards are different in that the Built Circuit Board only has one resistor for the power flow and therefore the LED lights are all sharing the same current in series. This could be problematic because the resistor in series is accumulating all the voltage needed for each LED, which is a lot to handle. This may affect the life span of the light or brightness. The Alternate Circuit Board has a resistor for each LED, therefore each light will have a better possibility of lasting longer and shining as bright as possible. To make this more meaningful I would have sound come out of it when you press the button.

Fyi – I needed to sign up to Fritzer website to share this document, and I was waiting forever to get the confirmation email. Instead I too screen grabs of them. I just added the speaker and didn't have time to elaborate much more.



