



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) George P.C. Randel	Project Number S0913
Project Title Five Channel Open Source Multimeter	
Objectives/Goals Abstract Often, when working with electronics, one needs more than one multimeter. Which takes up more space on the bench, can be expensive , and requires one to have more back up batteries. The four Channel open source multimeter solves this. The four channel multimeter includes two current channels, two voltage channels, and one LCR channel. This allows one meter to do things like measure efficacy in real time.	
Summary Statement This project shows process I am currently going through to design a 5 channel open source multimeter.	
Help Received My Mother help layout display, Professor at CSUN proofread my report.	