EE480 Senior Design I Laser-Based Wireless Power Transmission Initial Circuit/Code Design Review

Appendix 1:

Experimental Thermoelectric Plate: PCB Circuit Schematics

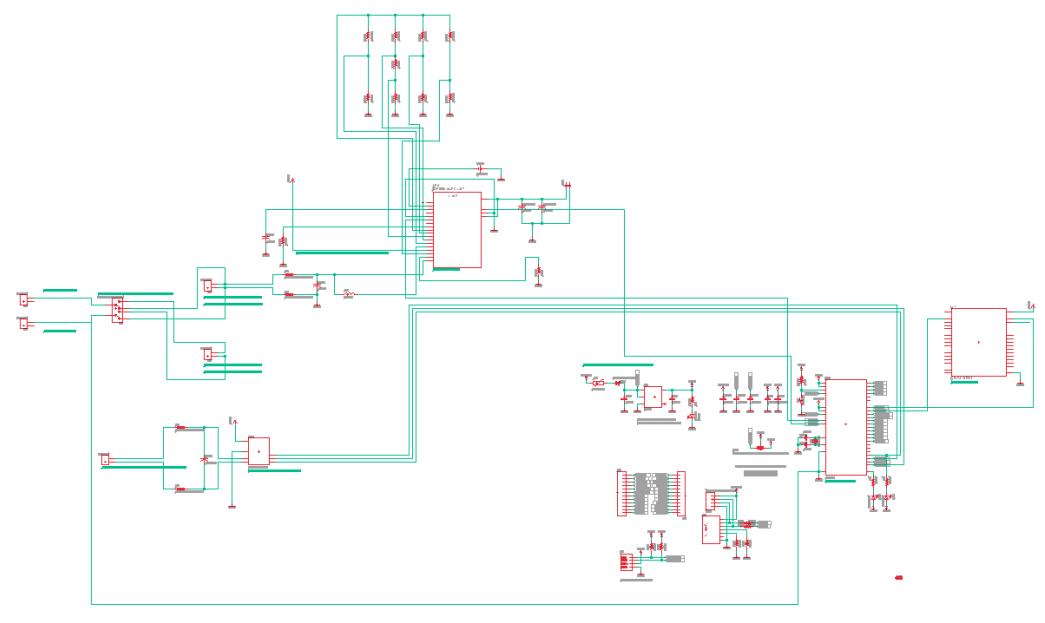


Figure 1. Thermoelectric Plate PCB: Whole System Circuit Schematic

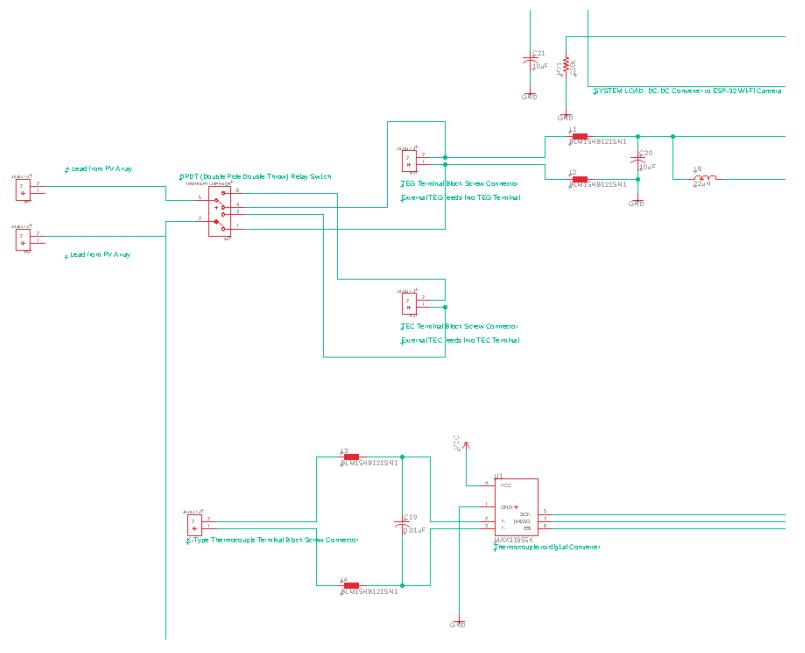


Figure 2. Thermoelectric Plate PCB: Circuit Schematic, Zoomed in 1: Dual Function TEG/TEC Switching Unit and Thermocouple to Digital Converter

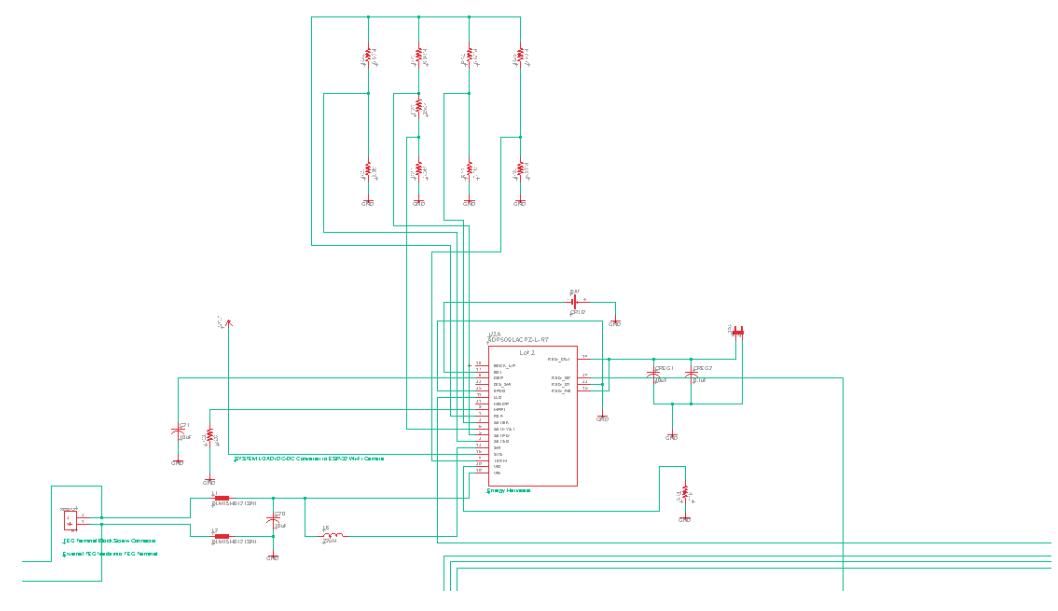


Figure 3. Thermoelectric Plate PCB: Circuit Schematic, Zoomed in 2: Energy Harvester Chip

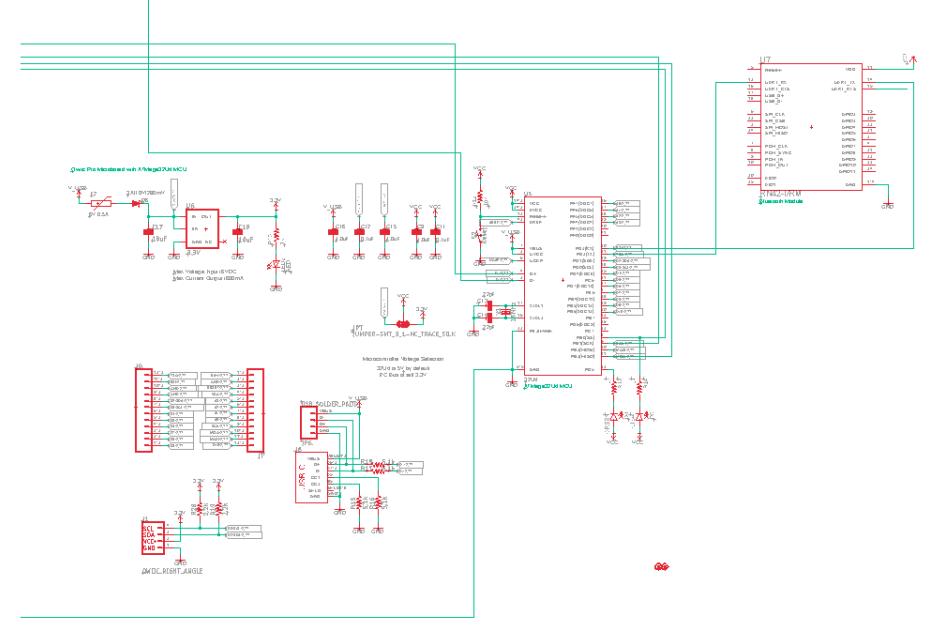


Figure 4. Thermoelectric Plate PCB: Circuit Schematic, Zoomed in 3: MCU and Bluetooth Module