Hardware Block Diagram

Key
Gnd
digital   analog
            power

DUT — PCB temp block — Pmos high side Switch — Power NMOS Current Sink — Relay Spdt — Inverting Op amp — Voltage Divider — DAC — Arduino — Red LED

Nmos low side Switch — Nmos low side Switch — Fan — Heat Sink — Temp Sensor

INA 219

Non-inverting op amp

Voltage Divider

Voltage Reference

Op amp Voltage Follower — ADC

Voltage Divider

current Volts, current, current, Voltage, Voltage, Voltage, Voltage

5V