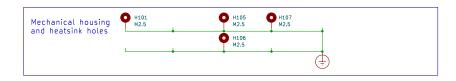
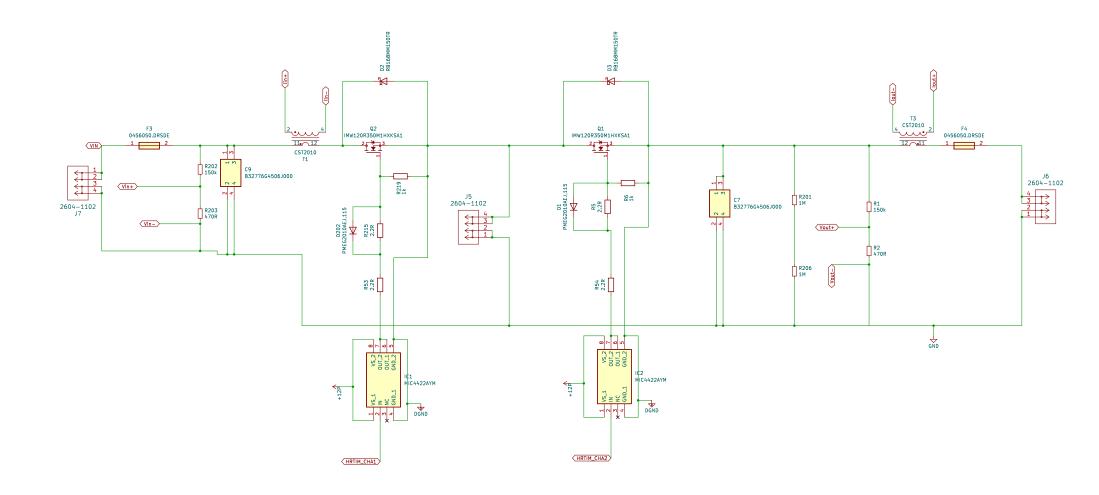
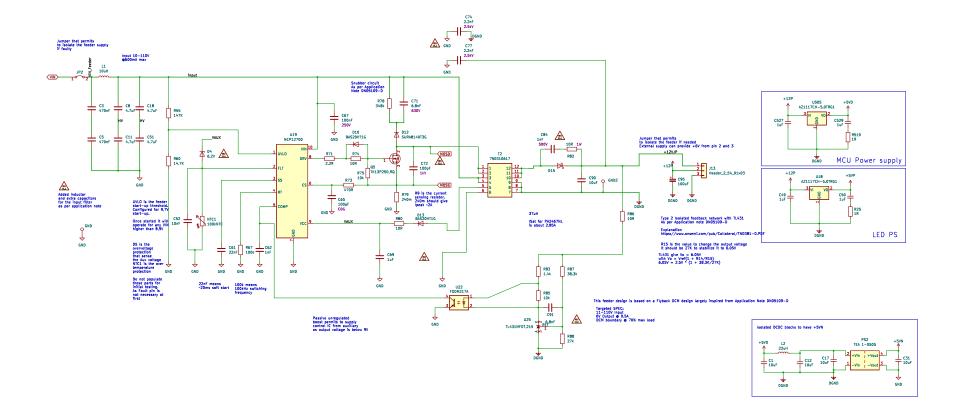
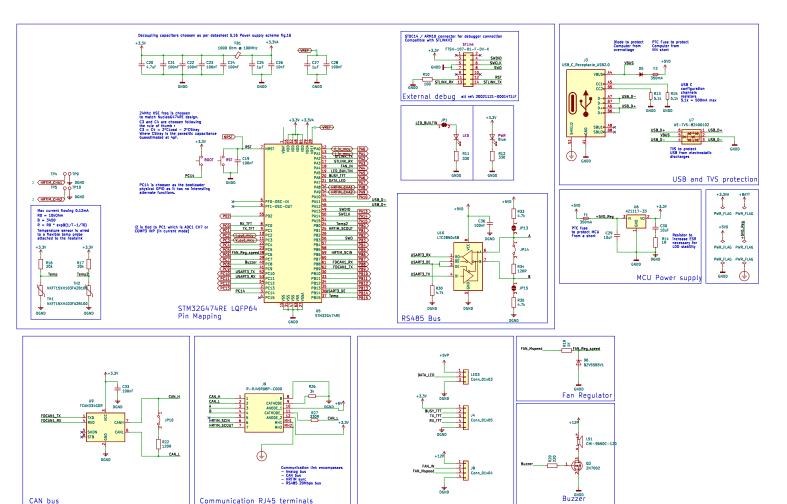


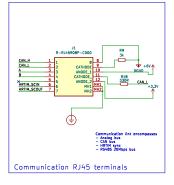
All ceramic capacitor X7R 50V unless specified All resistor to be thin film 1/8Watt unless specified

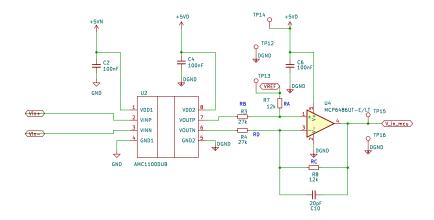


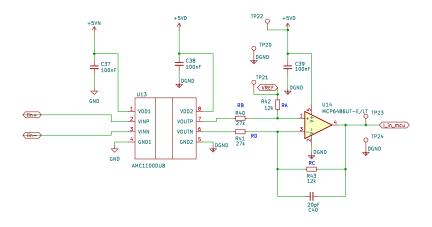


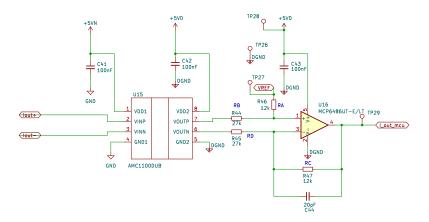


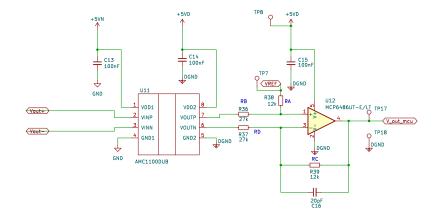












Low Side Voltage Measurement Simulation available https://tinyurl.com/2enzfg8c

Circuit can be seen as non inverting opamp with gain : G = 1 + (RC/RD) and a potential on non-inverting input equal to Millman's theorem of : Y + = (VOUTP - VOUTN)/RB) + (Vref/RA)/((1/RB) + (1/RA))

Measurements are thought for STM32G474RE with either internal reference set to 2.048V (from VREFBUF register) or equivalent external voltage reference.