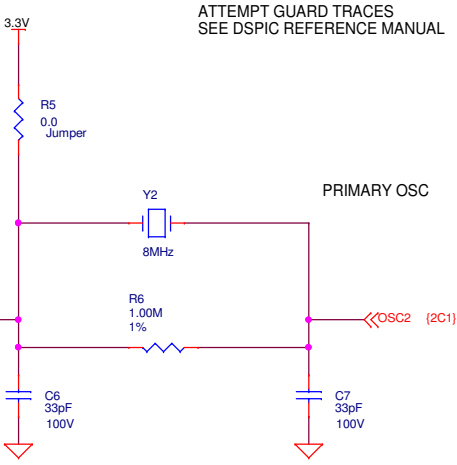
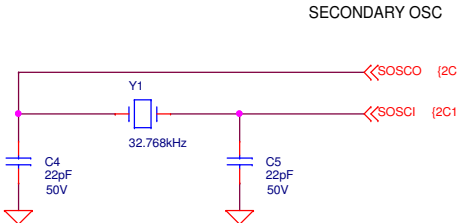
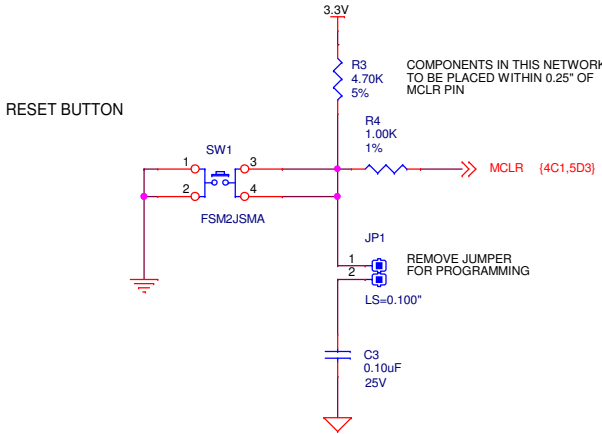
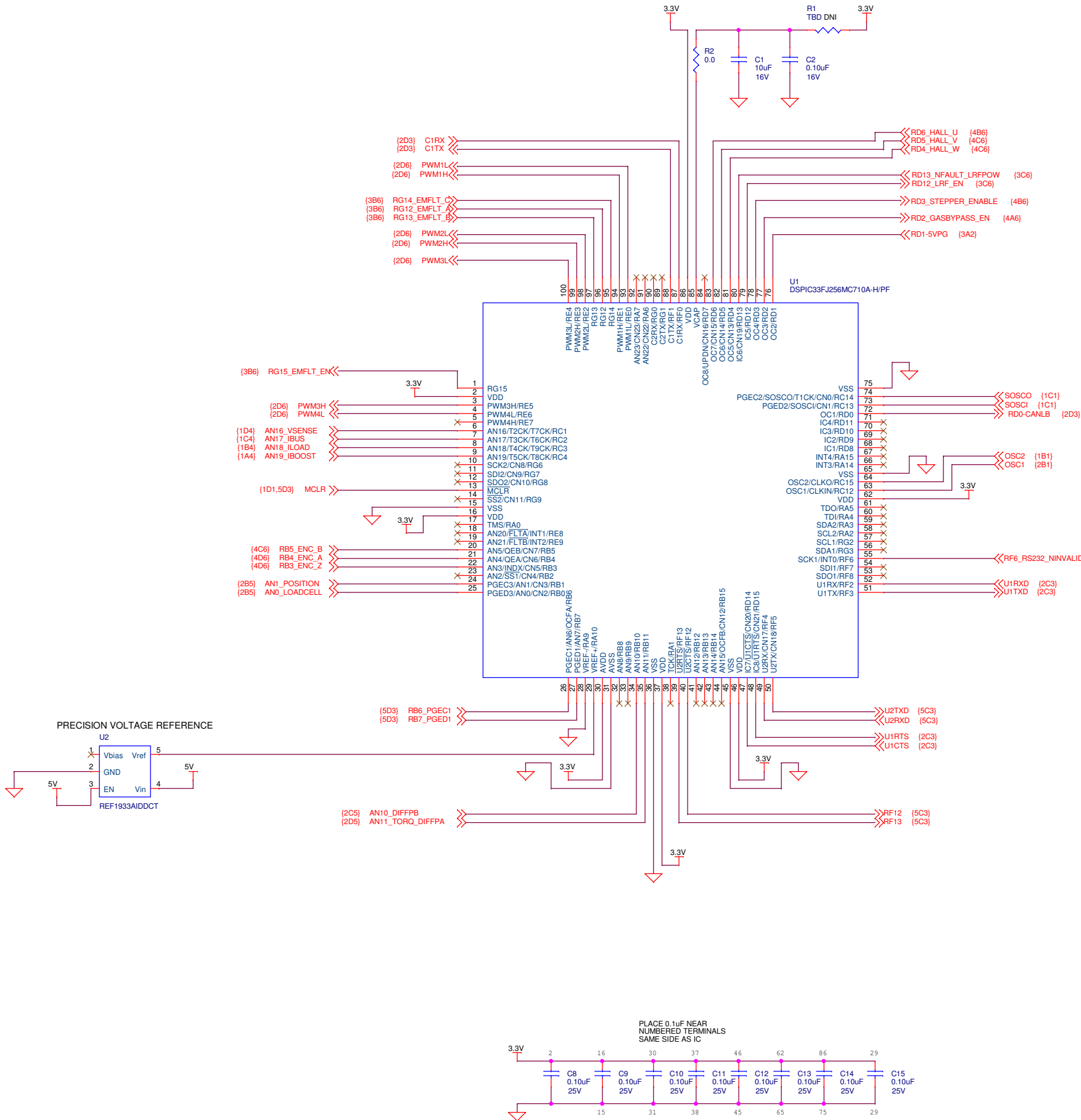


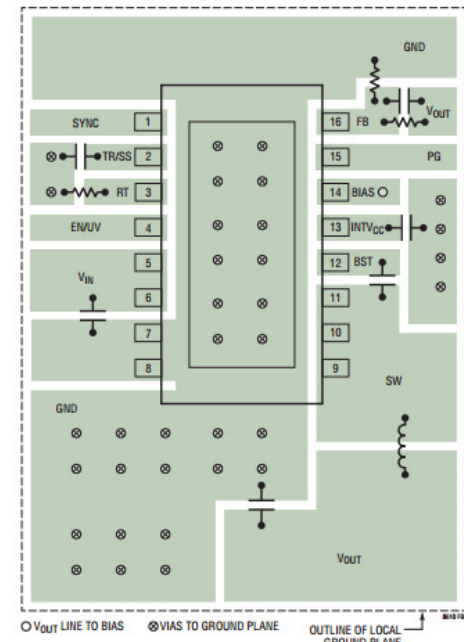
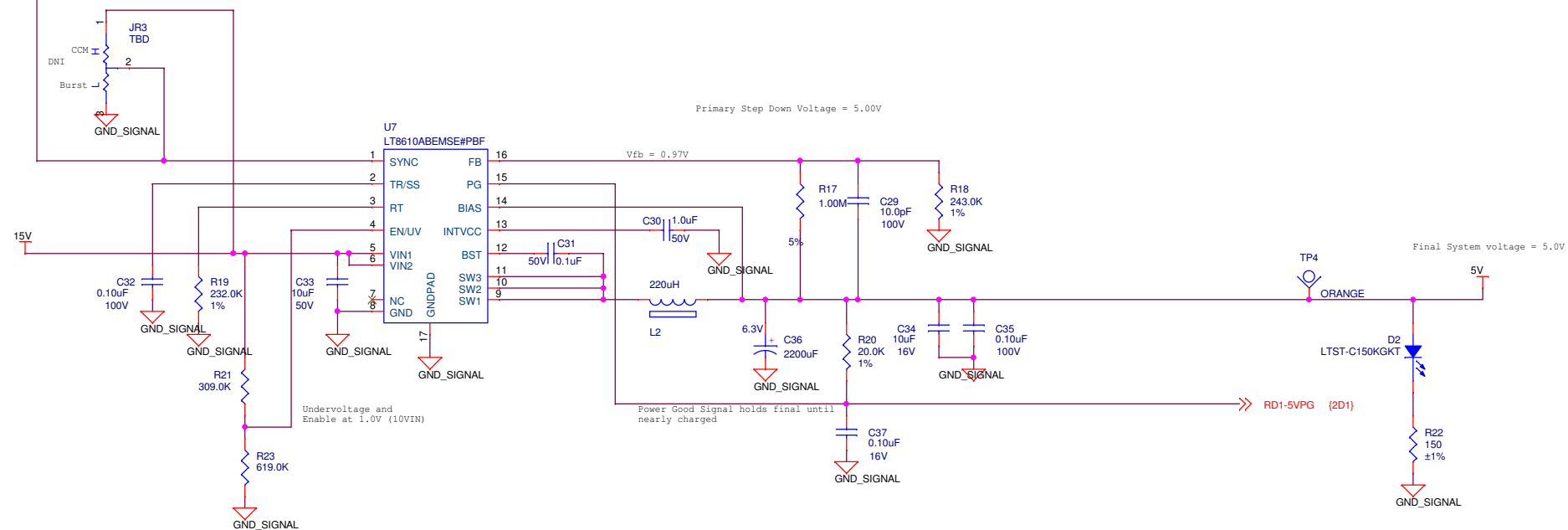
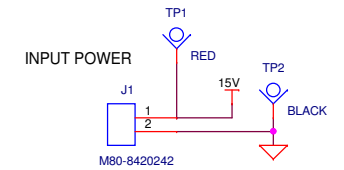
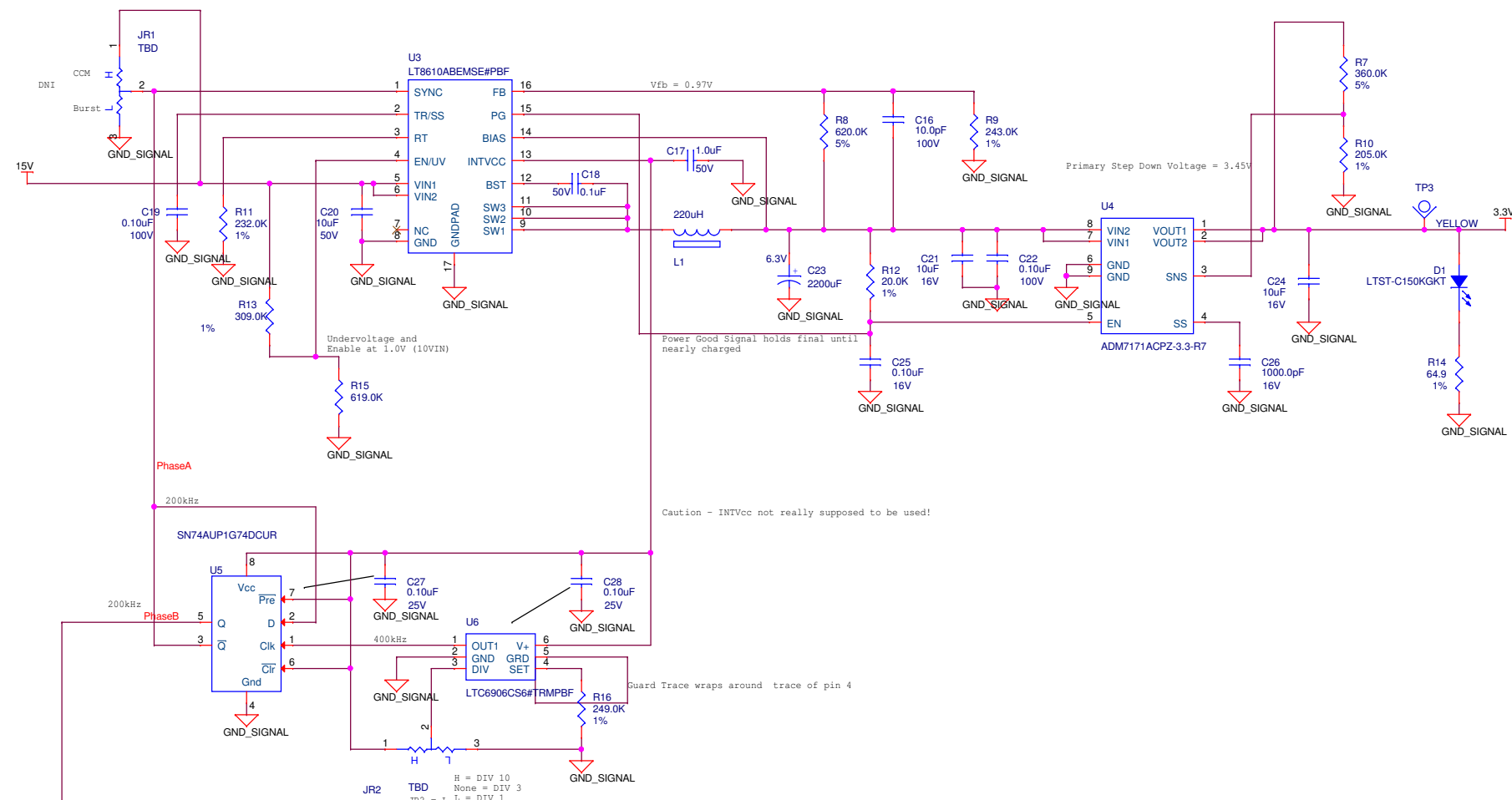
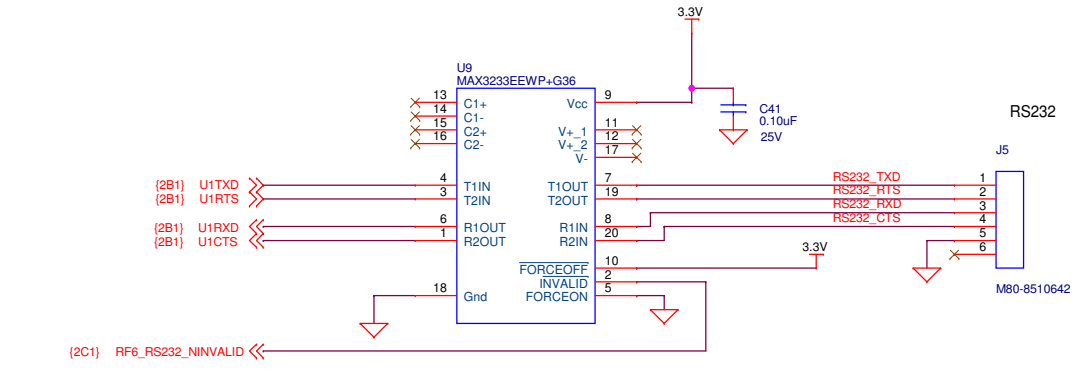
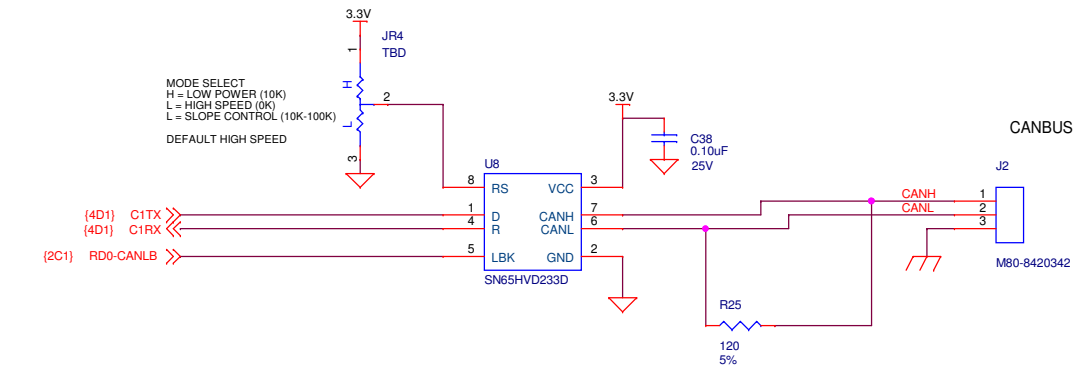
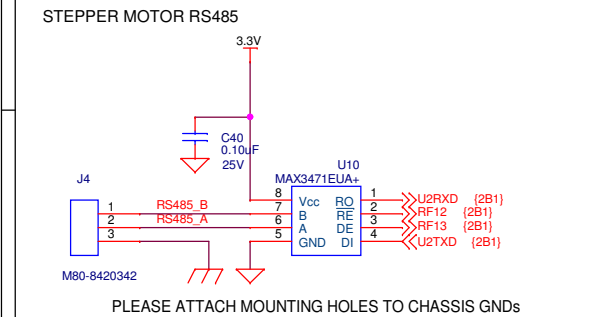
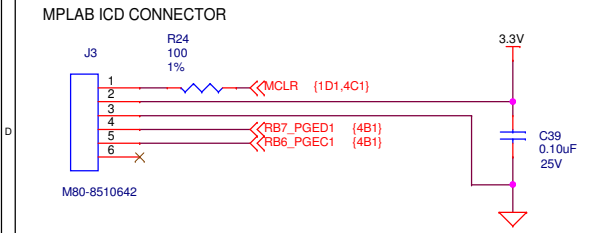
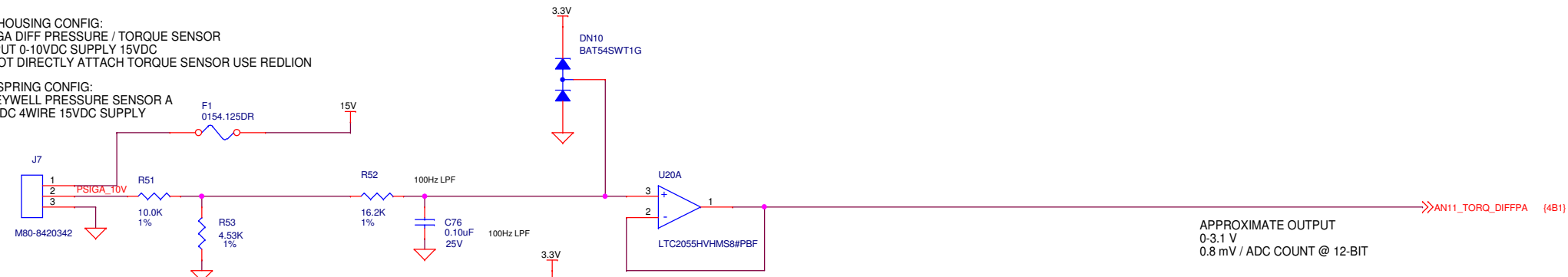


Figure 4. Recommended PCB Layout for the LT8610



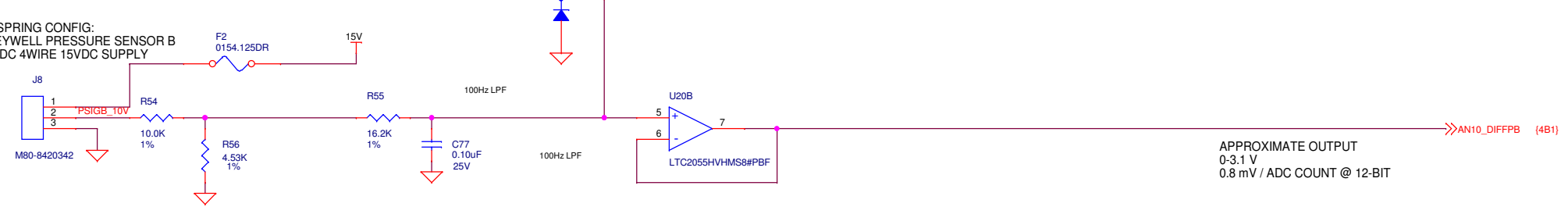
GEN HOUSING CONFIG:
OMEGA DIFF PRESSURE / TORQUE SENSOR
OUTPUT 0-10VDC SUPPLY 15VDC
DO NOT DIRECTLY ATTACH TORQUE SENSOR USE REDLION

GAS SPRING CONFIG:
HONEYWELL PRESSURE SENSOR A
0-10VDC 4WIRE 15VDC SUPPLY



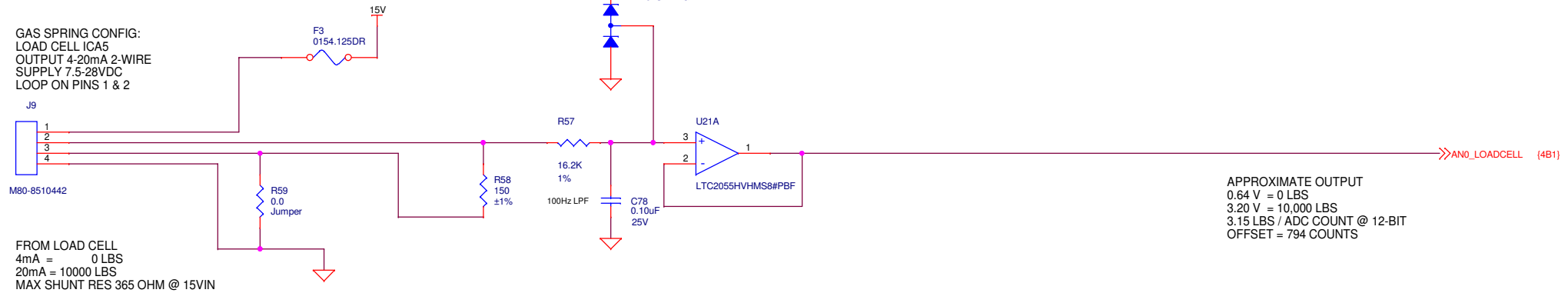
APPROXIMATE OUTPUT
0-3.1 V
0.8 mV / ADC COUNT @ 12-BIT

GAS SPRING CONFIG:
HONEYWELL PRESSURE SENSOR B
0-10VDC 4WIRE 15VDC SUPPLY



APPROXIMATE OUTPUT
0-3.1 V
0.8 mV / ADC COUNT @ 12-BIT

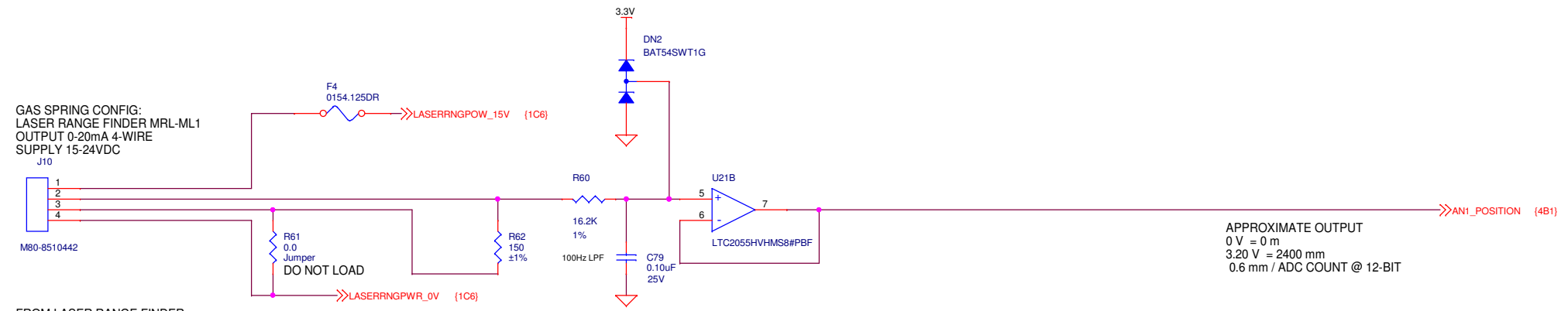
GAS SPRING CONFIG:
LOAD CELL ICA5
OUTPUT 4-20mA 2-WIRE
SUPPLY 7.5-28VDC
LOOP ON PINS 1 & 2



APPROXIMATE OUTPUT
0.64 V = 0 LBS
3.20 V = 10,000 LBS
3.15 LBS / ADC COUNT @ 12-BIT
OFFSET = 794 COUNTS

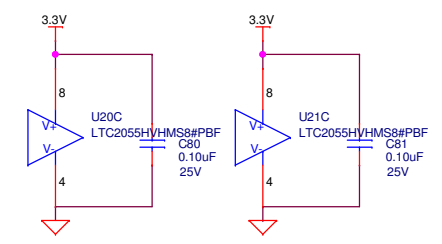
FROM LOAD CELL
4mA = 0 LBS
20mA = 10000 LBS
MAX SHUNT RES 365 OHM @ 15VIN

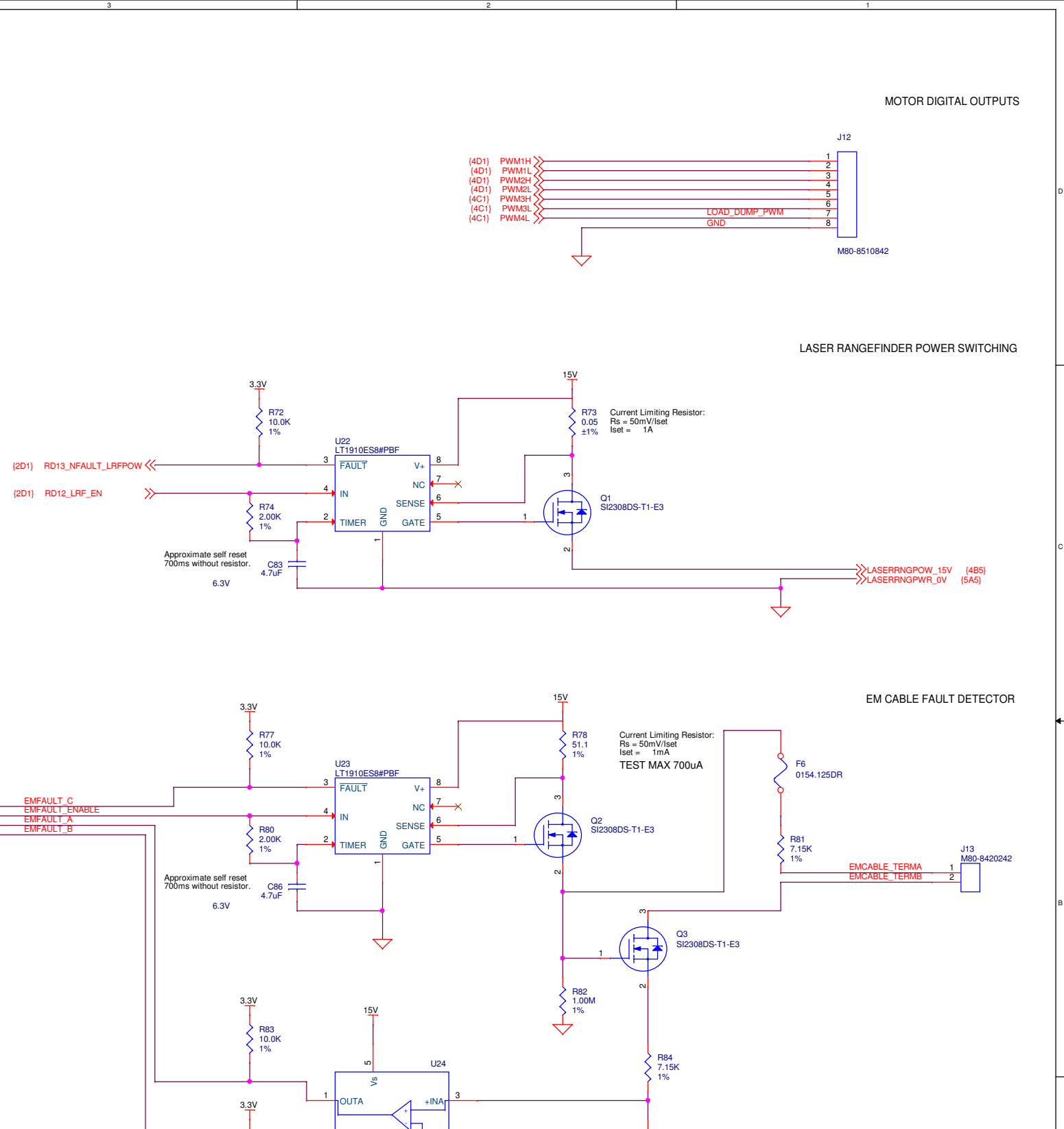
GAS SPRING CONFIG:
LASER RANGE FINDER MRL-ML1
OUTPUT 0-20mA 4-WIRE
SUPPLY 15-24VDC



APPROXIMATE OUTPUT
0 V = 0 m
3.20 V = 2400 mm
0.6 mm / ADC COUNT @ 12-BIT

FROM LASER RANGE FINDER
(PRECONFIGURED MAX 2.4m)
0 mA = 0 m
20mA = 2.4 m





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Engineer E. MARTIN	Size C	Document Number 1002168	Layout File <Layout File>	Rev 0.2.1
Layout <Layout>		Date: Thursday, June 04, 2015	Sheet 6 of 6	