

MangOH Red Platform

SHEET 1

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WIFI and BT

Project Variants

	1600643		
DNI	N		
MIC_OMTP	N		
MIC_CTIA	Y		

Variants description

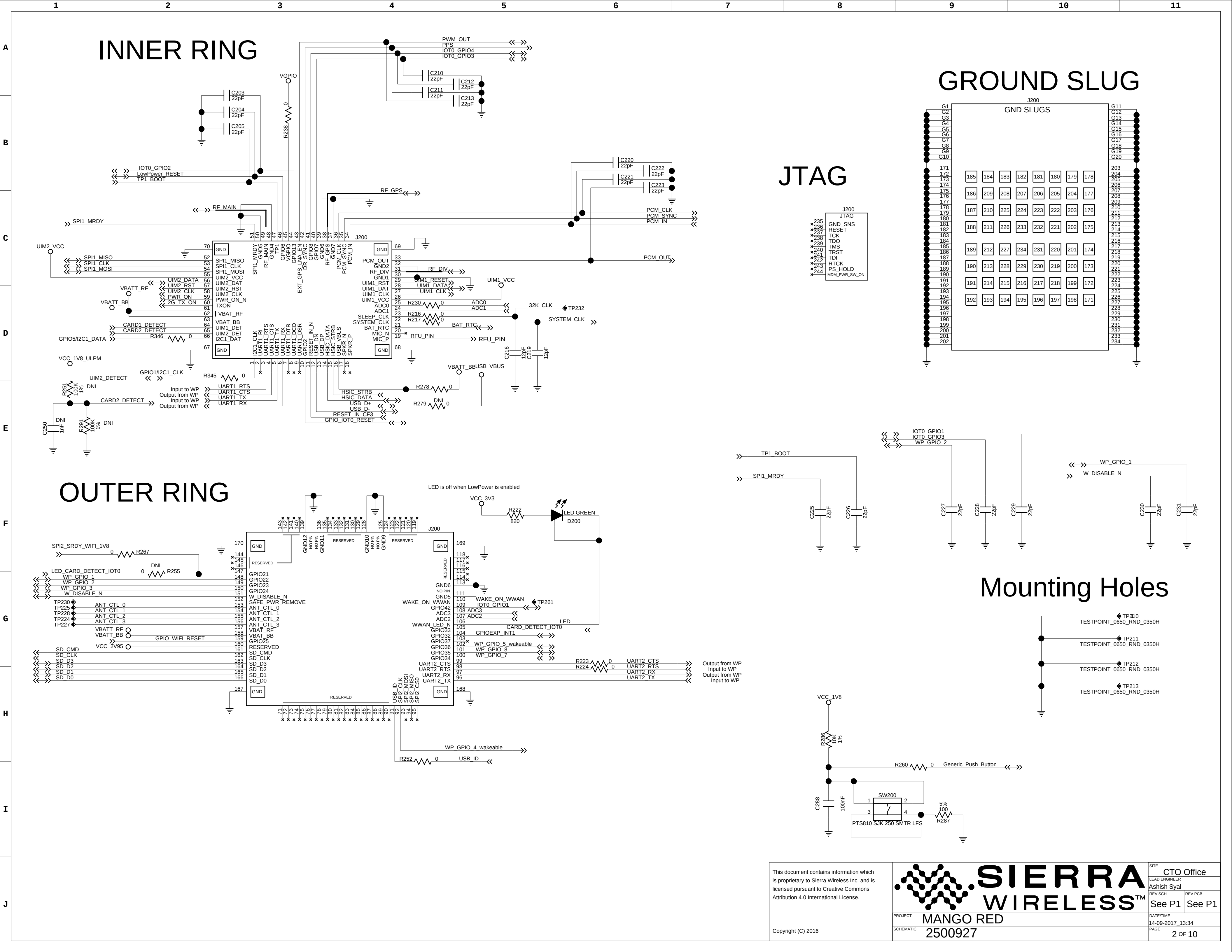
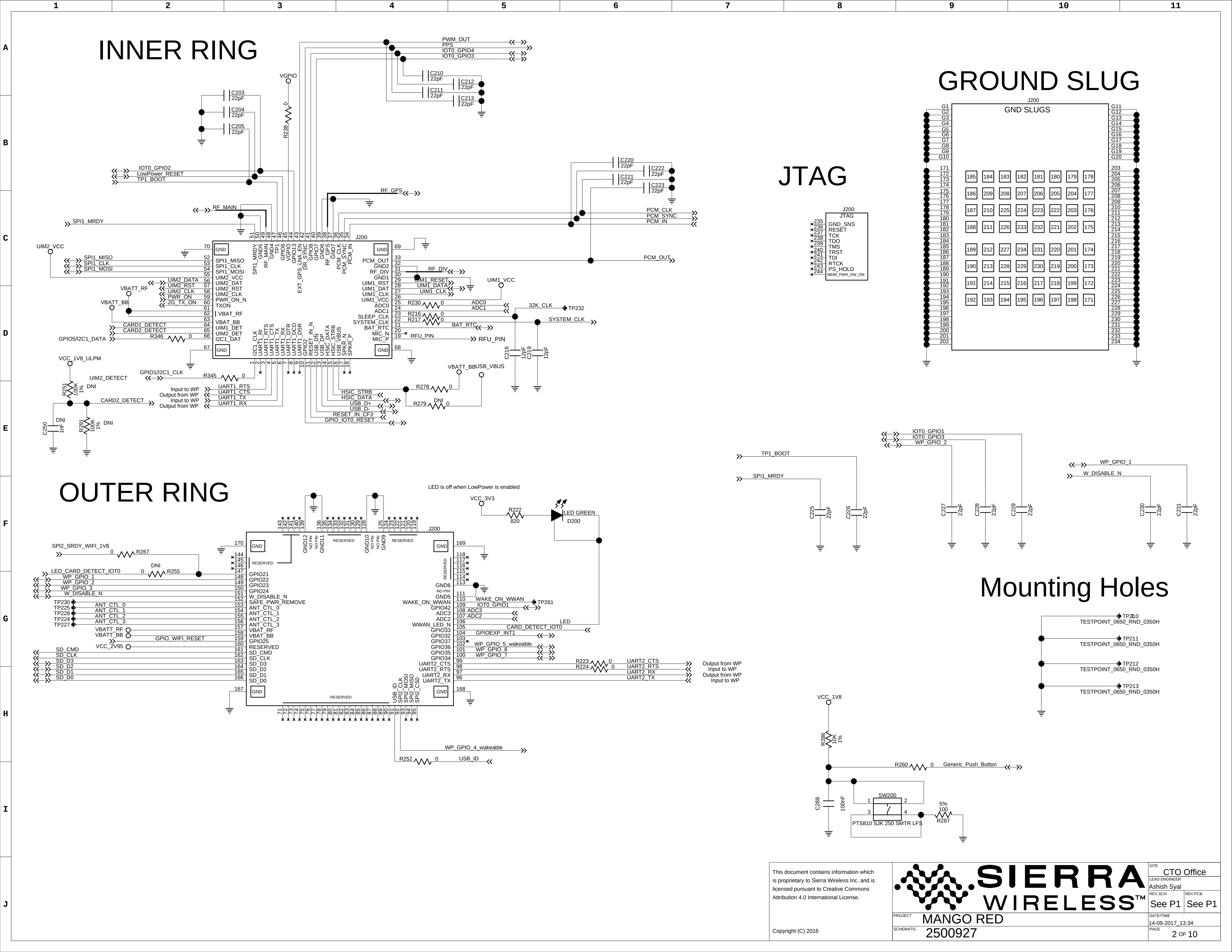
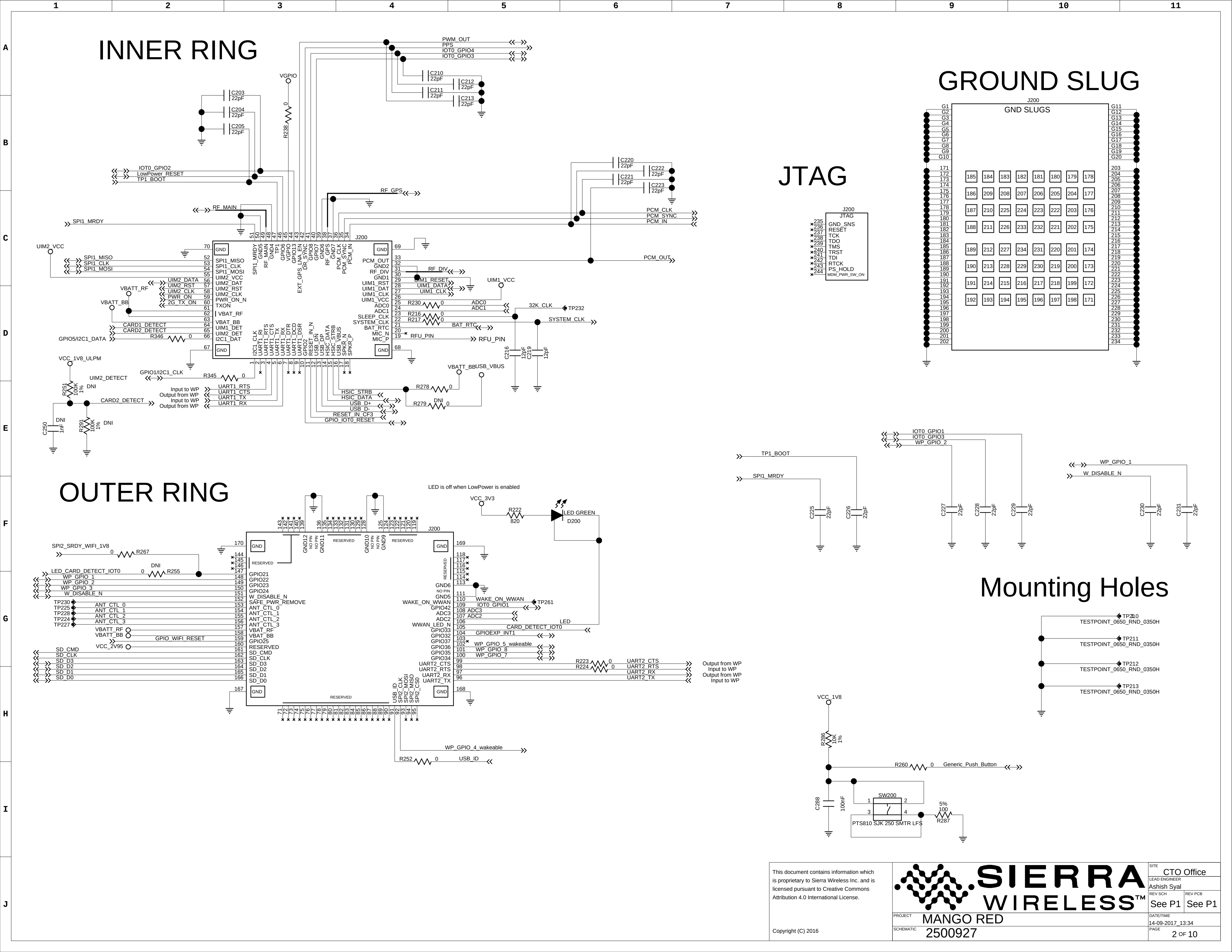
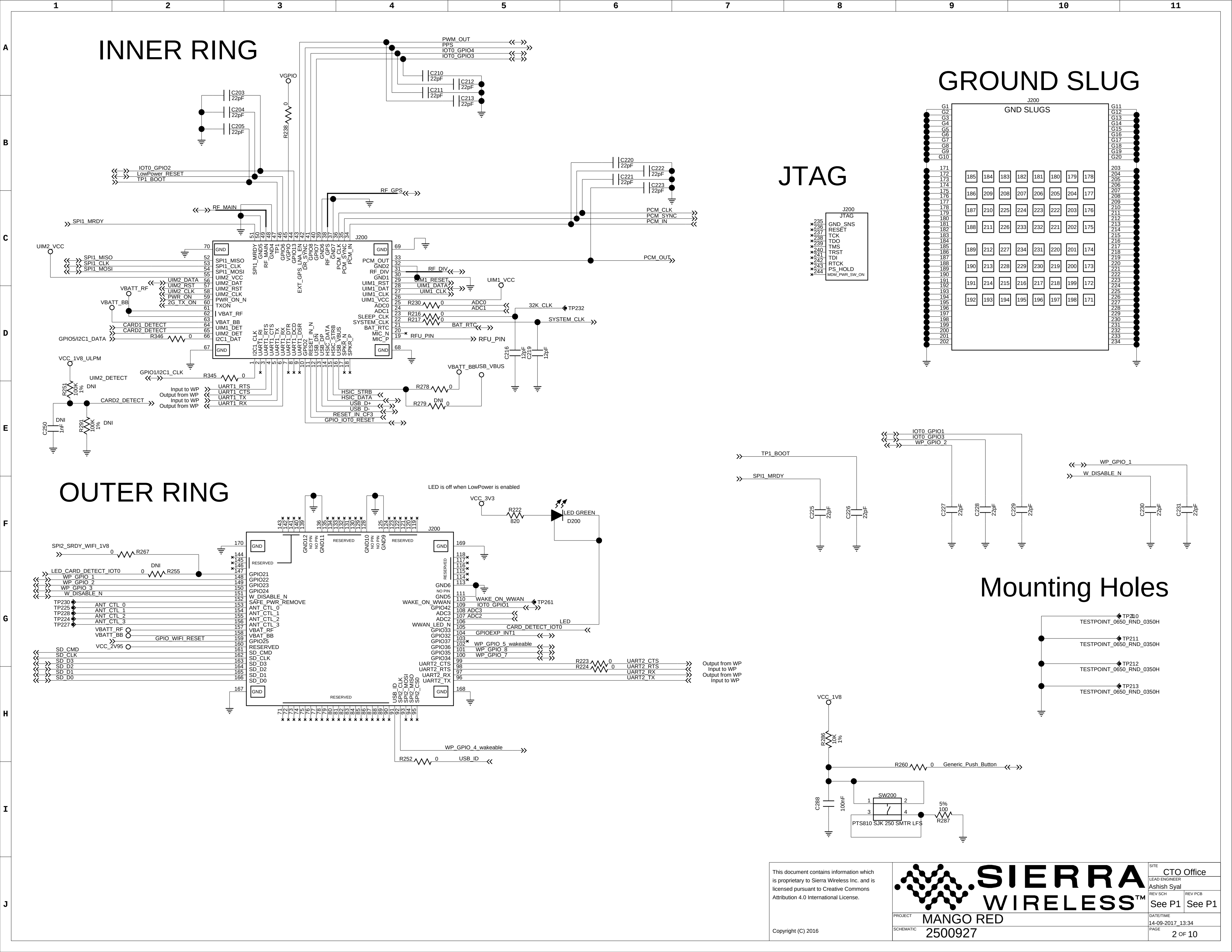
DNI = Do Not Install
MIC_OMTP = OMTP headphones config (do not define MIC_CTIA)
MIC_CTIA = CTIA/AHJ headphones config (do not define MIC_OMTP)

I2C address list

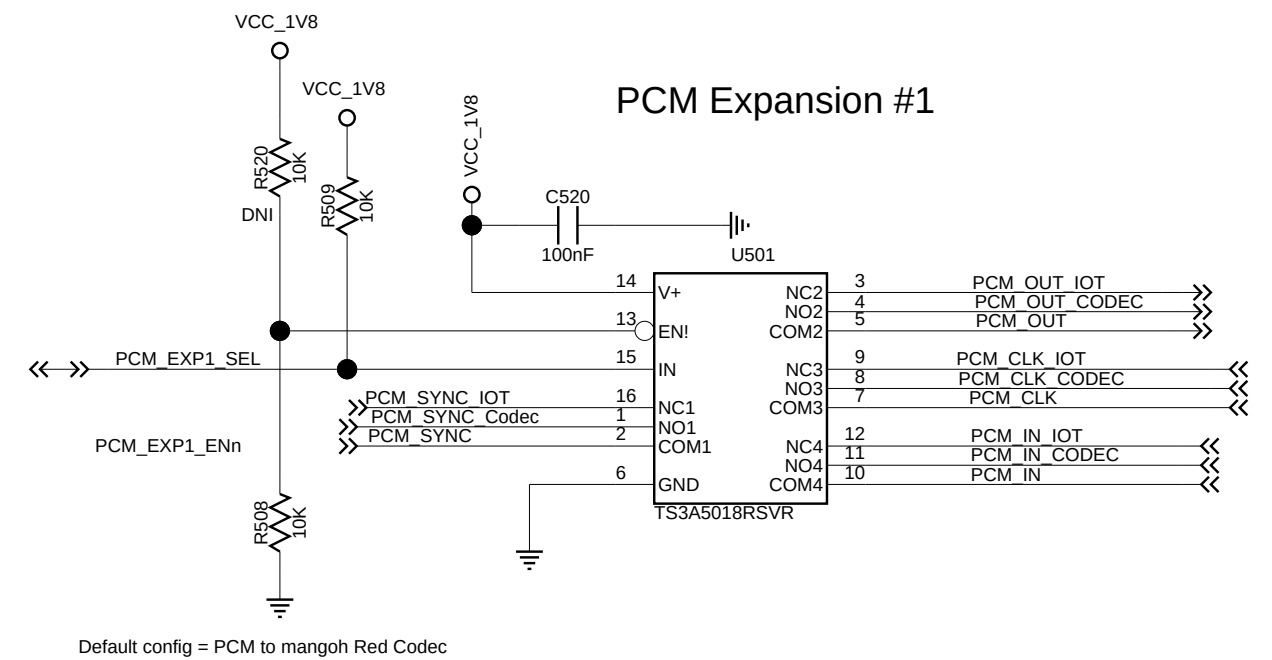
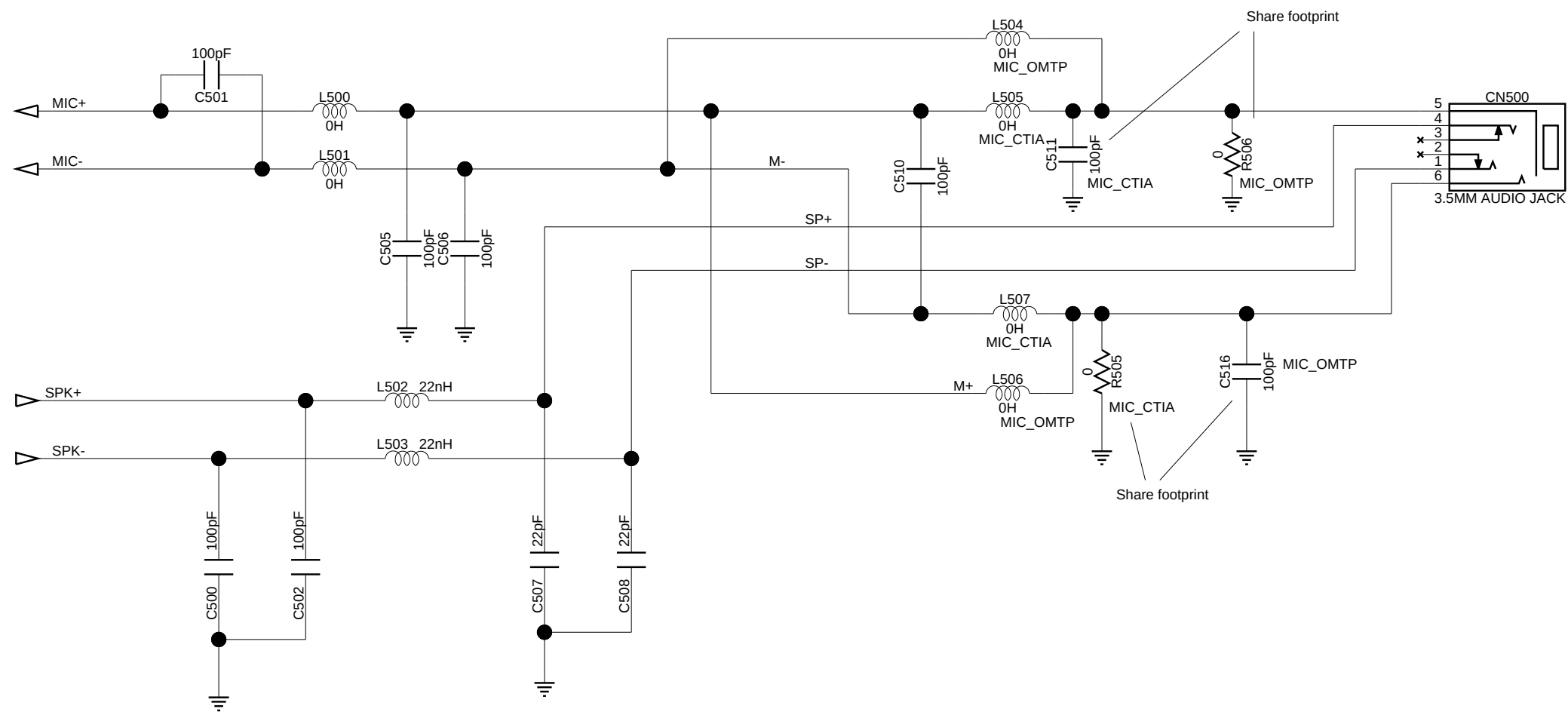
08h = 3503 USB hub
3Eh = I/O expander
51h = EEPROM with Board ID
64h = Battery gauge
68h = 6 Axis IMU
6Bh = Buck+batt charger
71h = I2C Hub
76h = Pressure Sensor

REFERENCE

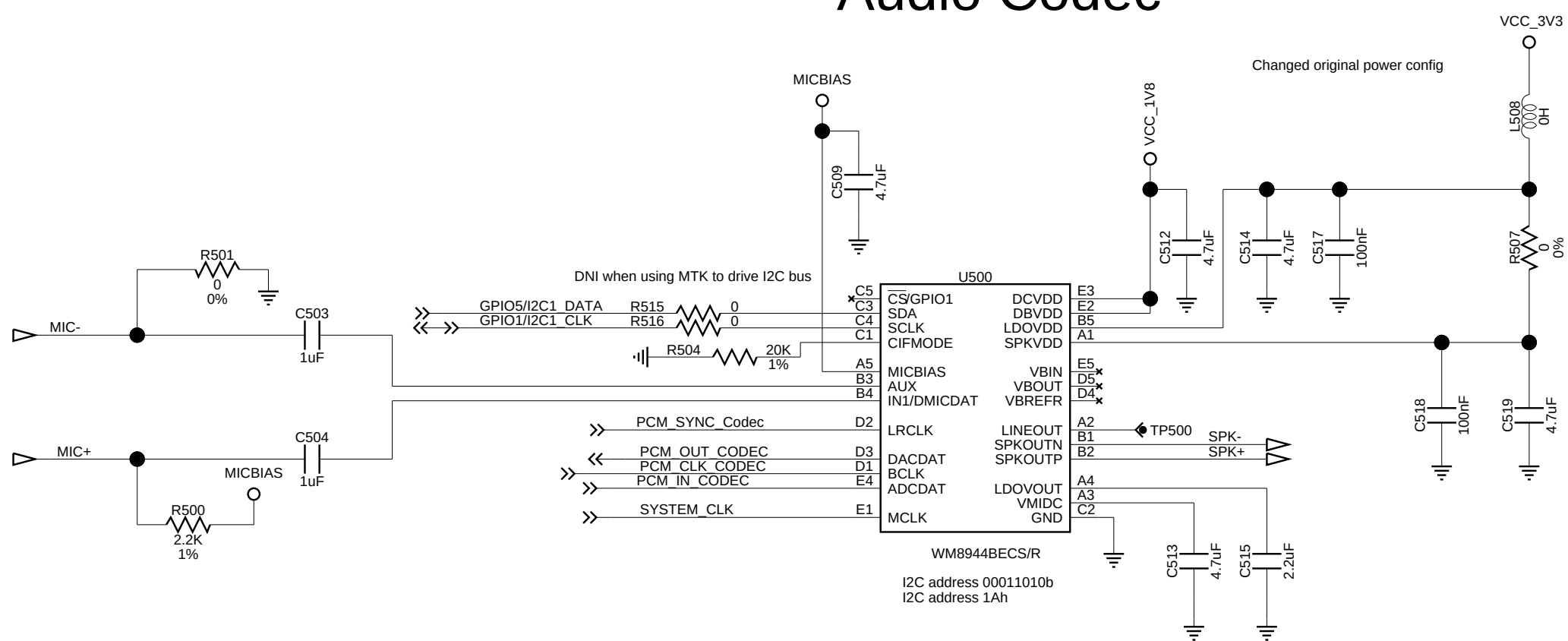
1600674 PCA, MANGO H
5302303 PCB, MANGO H

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Audio Source Selection



Audio Codec

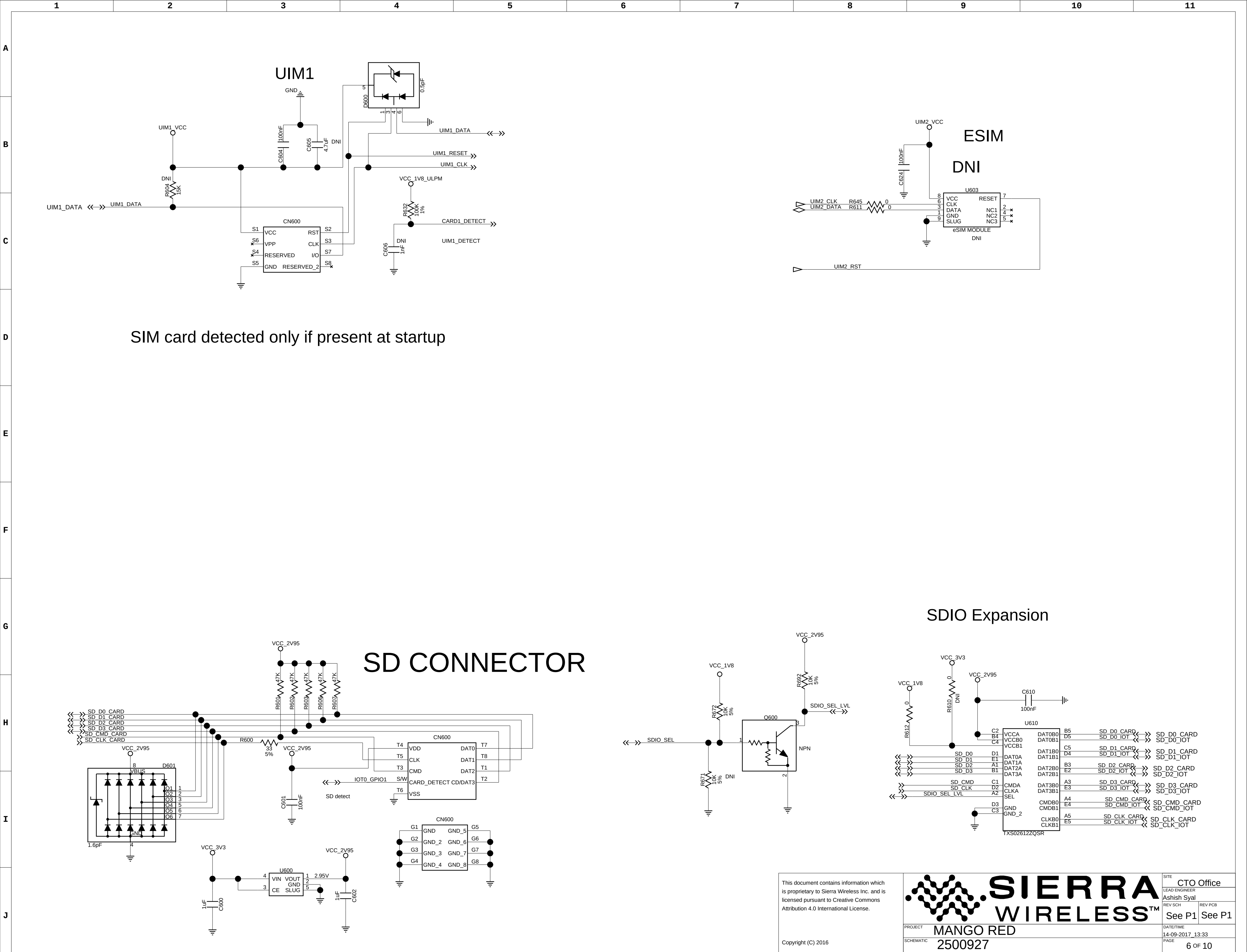


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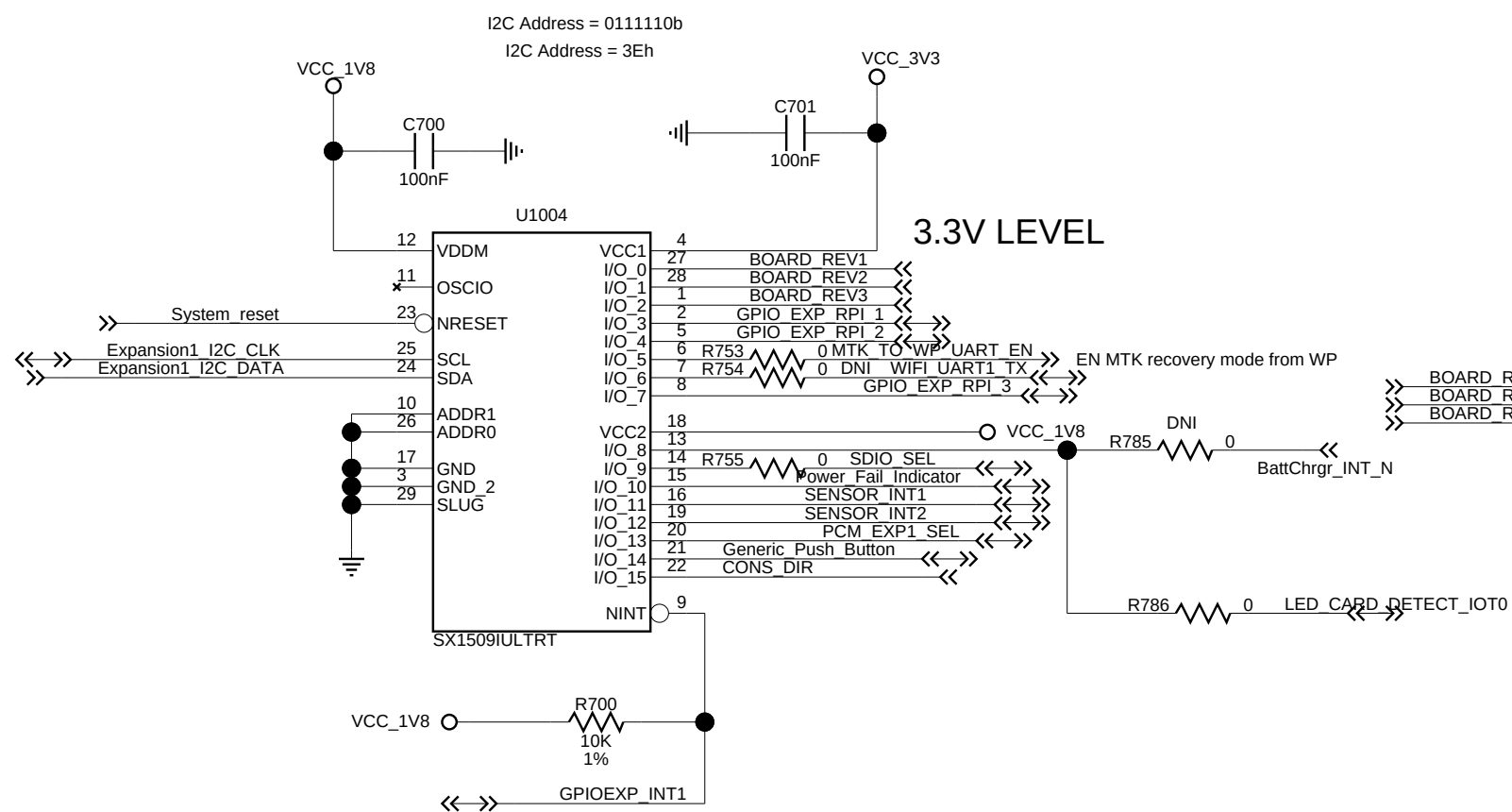
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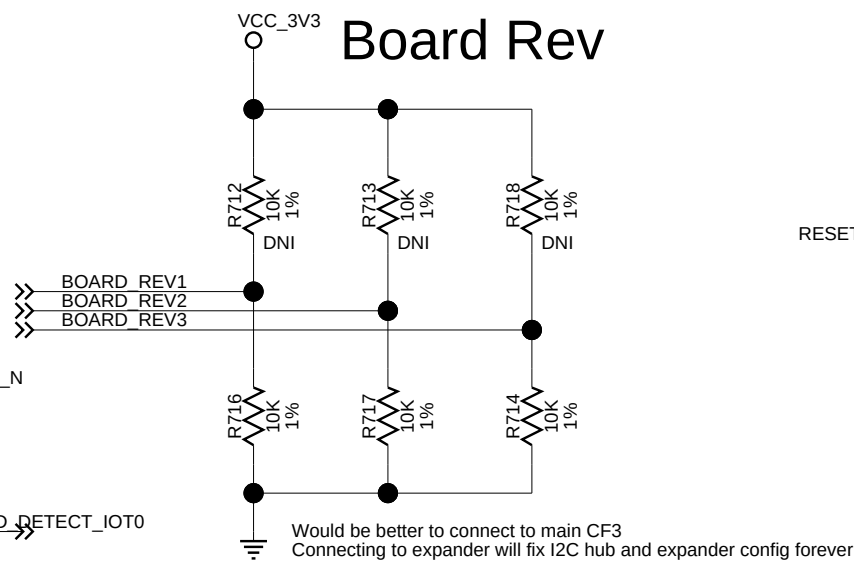
CTO Office	
SENIOR ENGINEER	
Shishu Syal	
REV SCH	REV PCB
See P1	See P1
DATE/TIME	
12-2016 15:31	
PAGE	
5 OF 10	



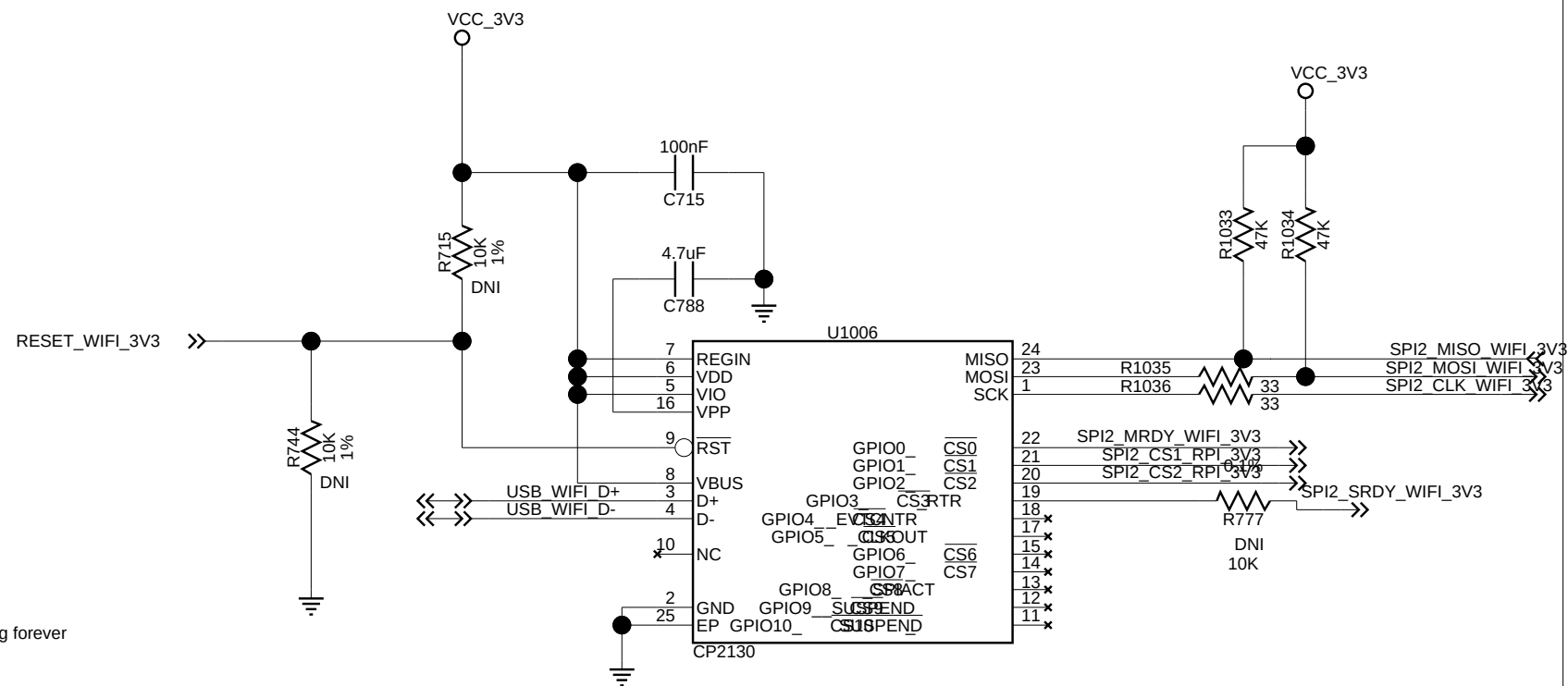
GPIO Expander#1



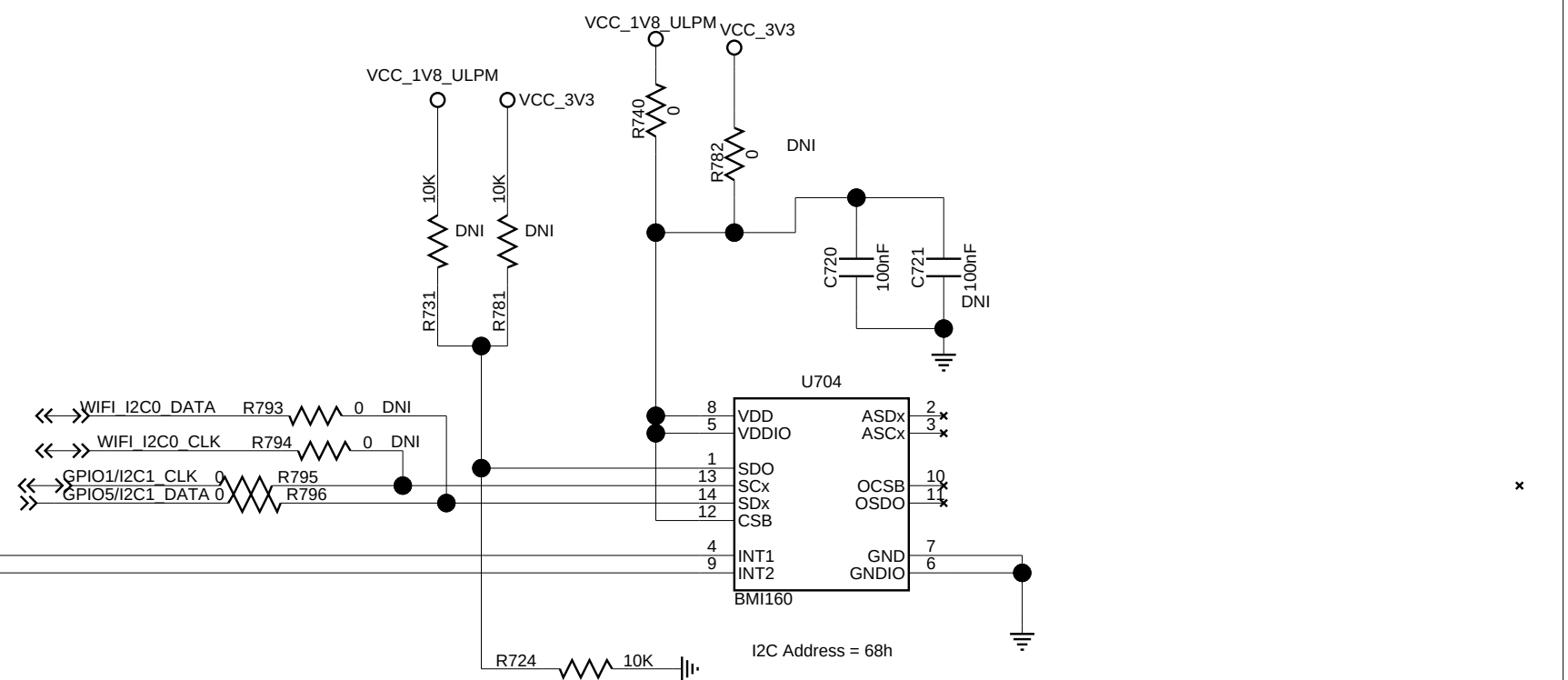
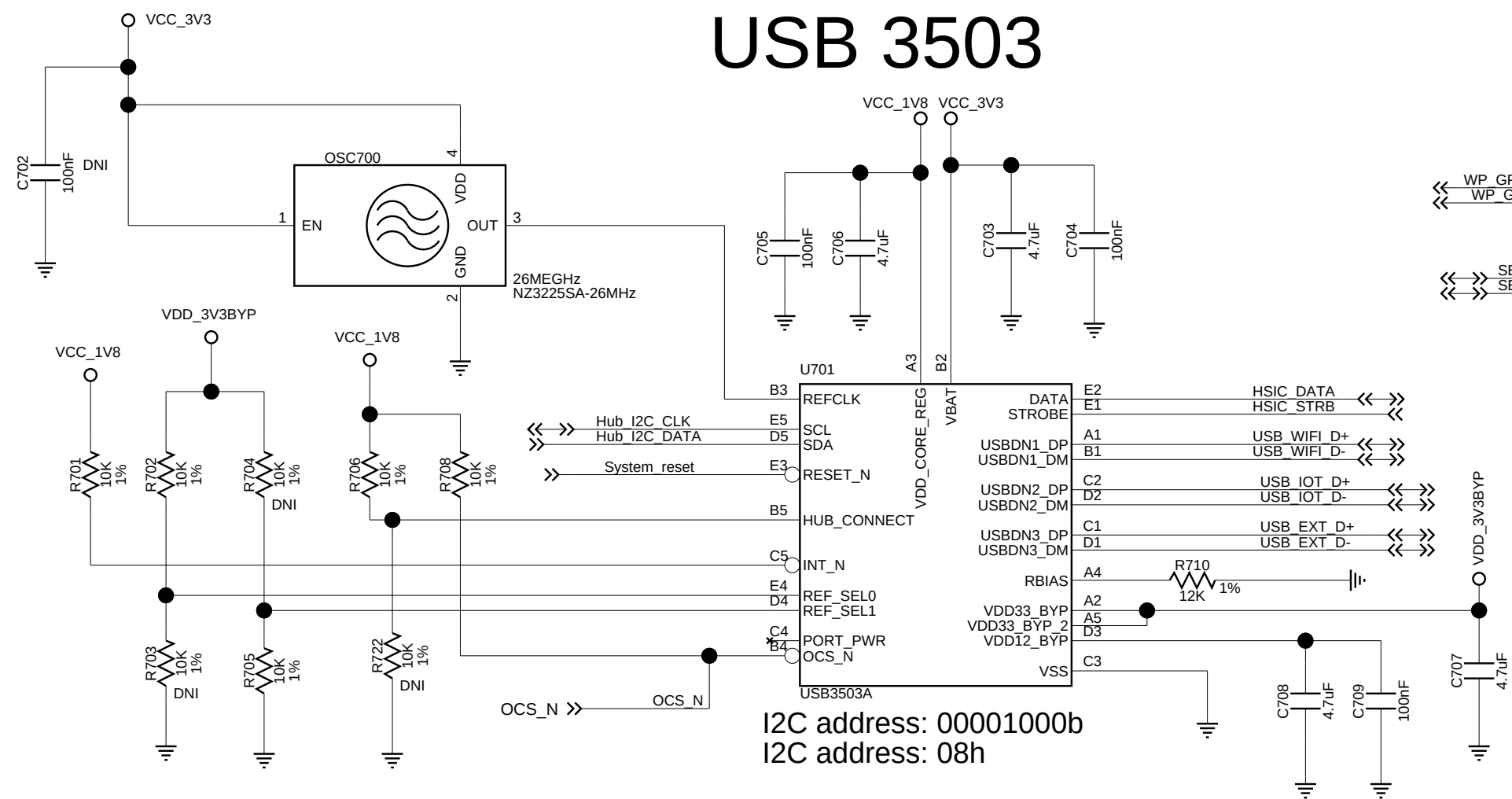
Board Rev



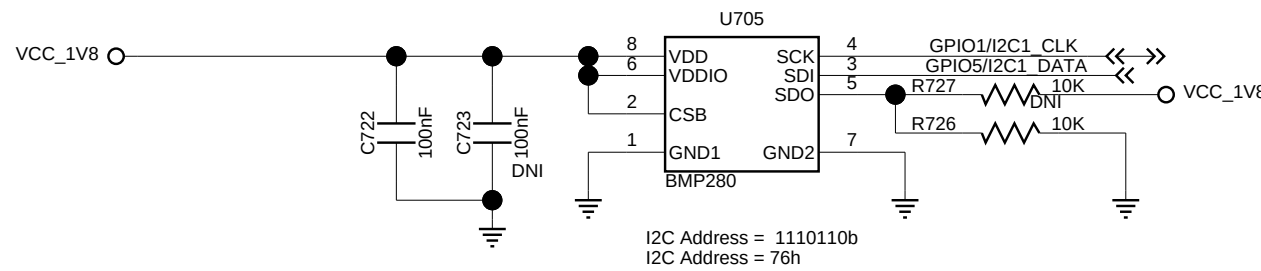
Would be better to connect to main CF3
Connecting to expander will fix I2C hub and expander config forever



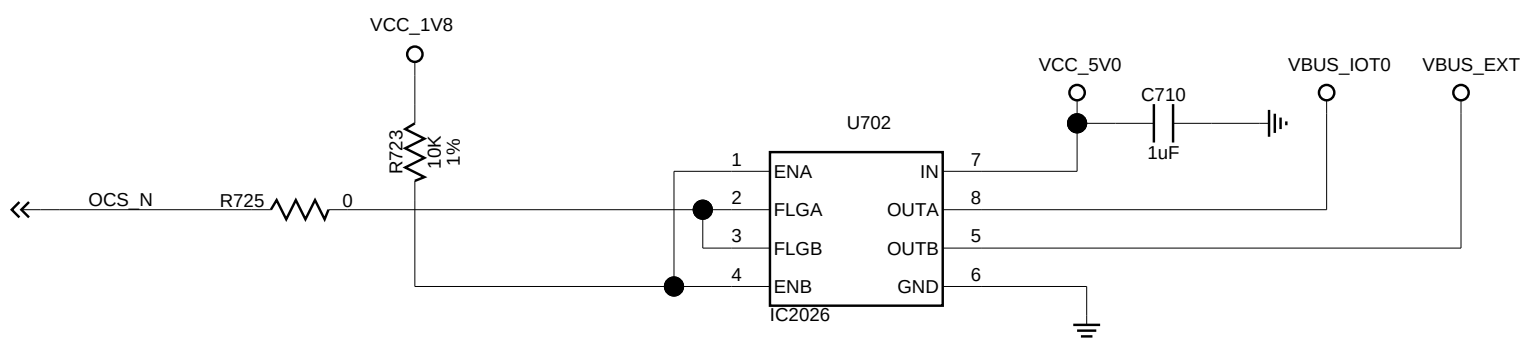
USB 3503



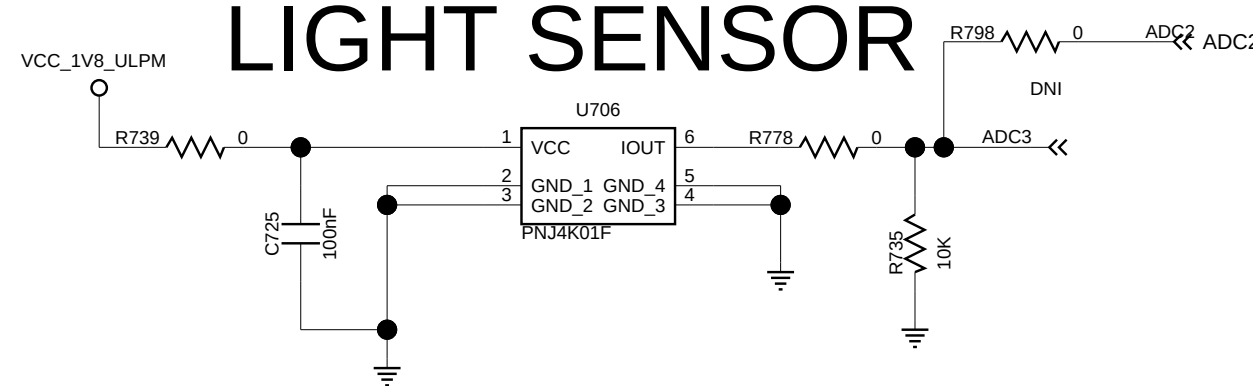
ACCELEROMETER AND GYROSCOPE PRESSURE SENSOR



USB Downstream Power

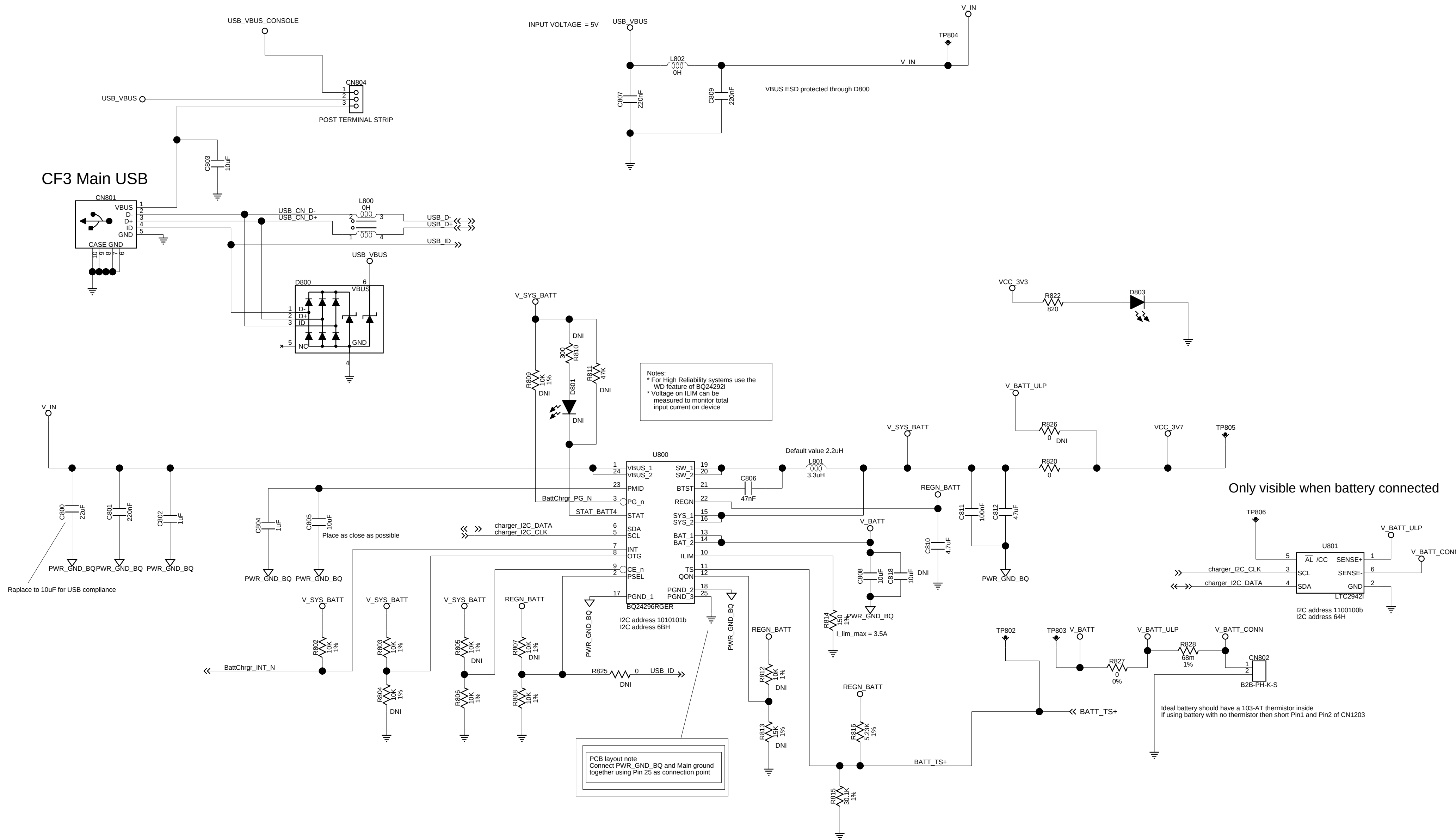


LIGHT SENSOR

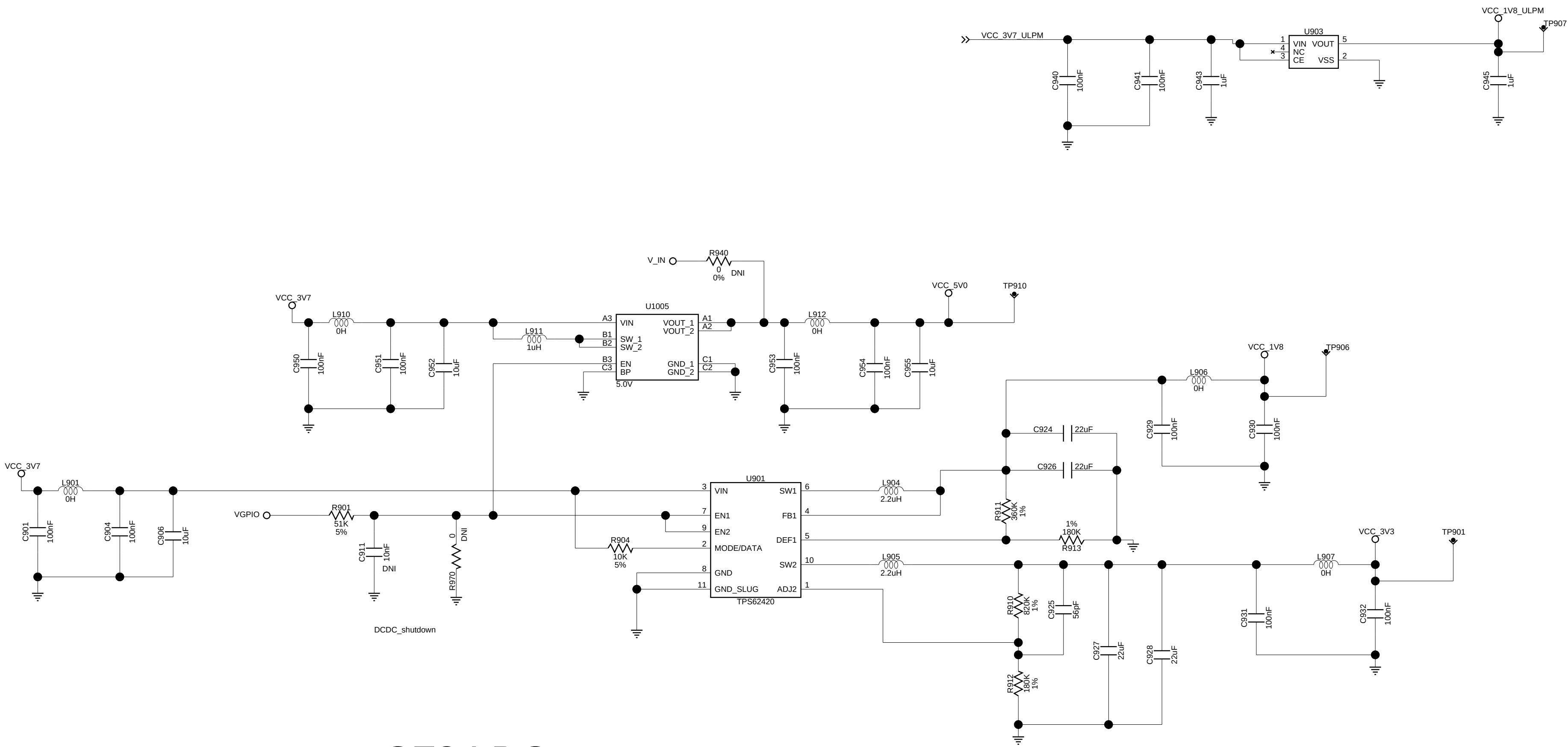


Power can come from either
Main or uUSB-Power connectors

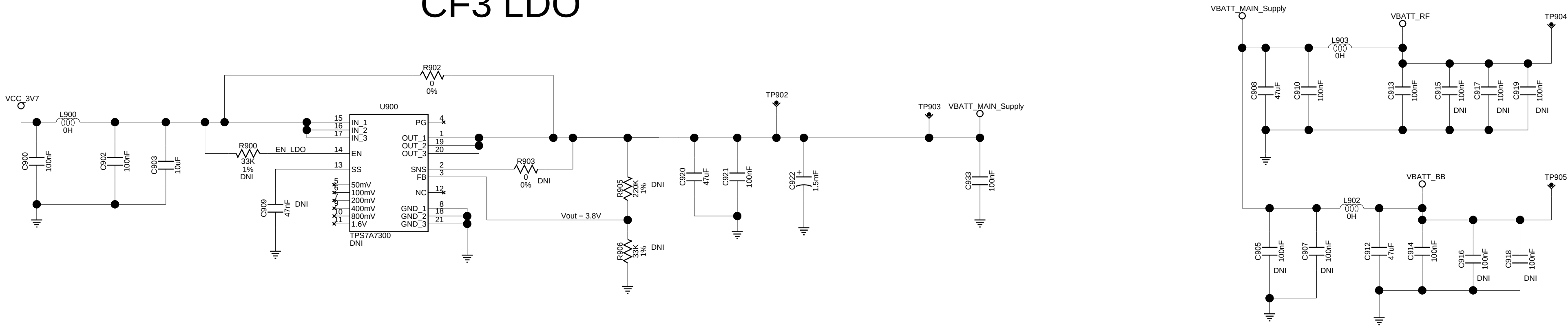
PSU Front End and 3.7V DC/DC converter



3V3 and 1V8 Buck * 5V0 Boost



CF3 LDO



RF SECTION

