MangoH Platform

SHEET 1 TABLE OF CONTENTS

SHEET 2 CONNECTORS

SHEET 3 RF, VBACKUP, USB

SHEET 4 RESET, JTAG, uC prog, control

SHEET 5 AUDIO (ANALOG & PCM)

SHEET 6 CONNECTORS & Headers

SHEET 7 UART, LEDs, ADC, Level Shifter

SHEET 8 UIMs & SD CARD

SHEET 10 IOT connectors, Sensors

SHEET 11 USB, Ethernet expansion

SHEET 12 PSU Front end, 3.7V DCDC

SHEET 13 Battery Charger

SHEET 14 5V boost, 3V3 buck, 1V8 Buck

SHEET 15 Arduino connection

Project Variants			
	1600643		
DNI	N		
UFL_M_RF	Υ		
SMA_RF	N		
MIC_OMTP	N		
MIC_CTIA	Υ		

Variants description

DNI = Do Not Install

SHEET 9 GPIO, SPI, UART, SDIO, PCM Expanders

SMA_RF = Add SMA conn. on Main CF3 (do not define UFL_M_RF)

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 1

3Fh = I/O expander 2 55h = Battery gauge

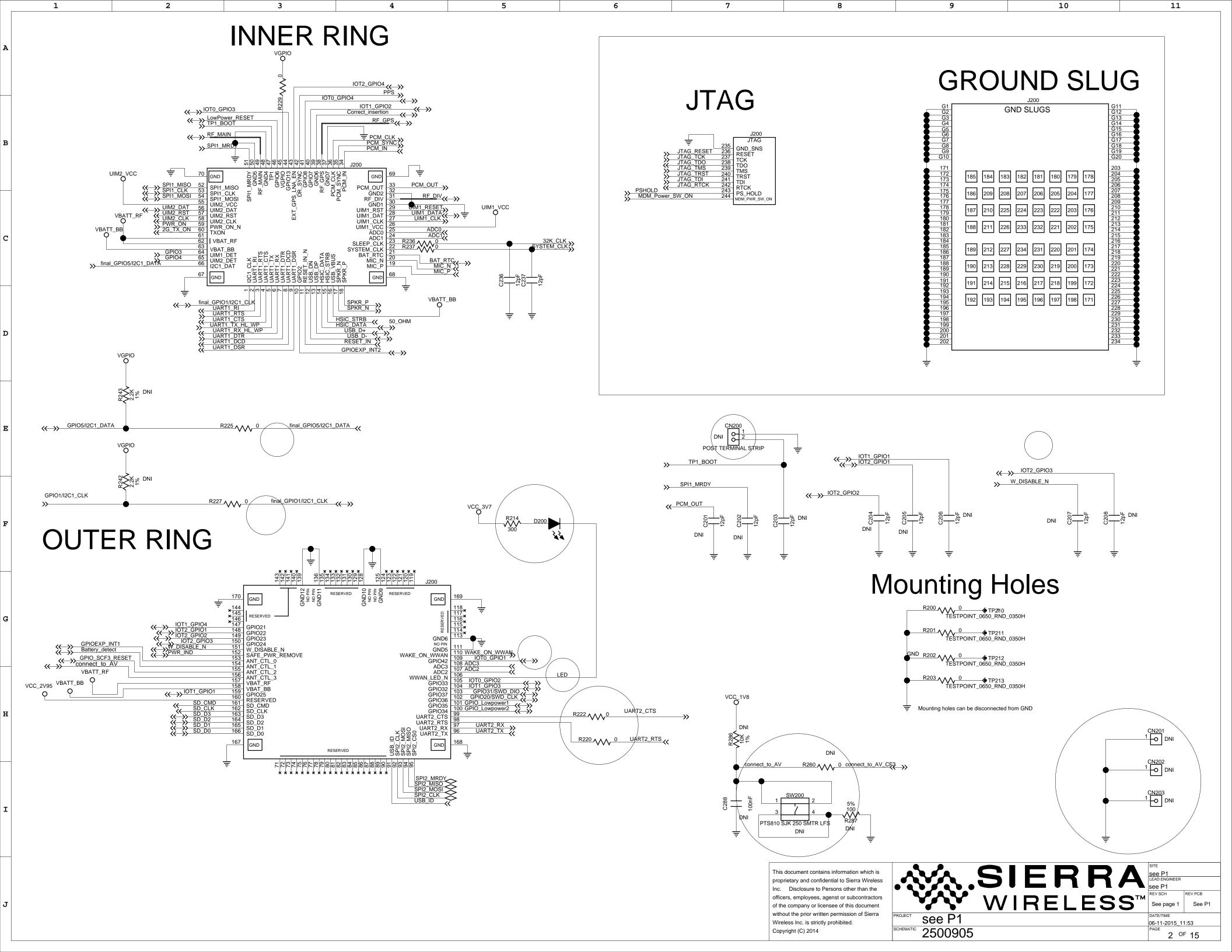
6Ah = Accelerometer sensor

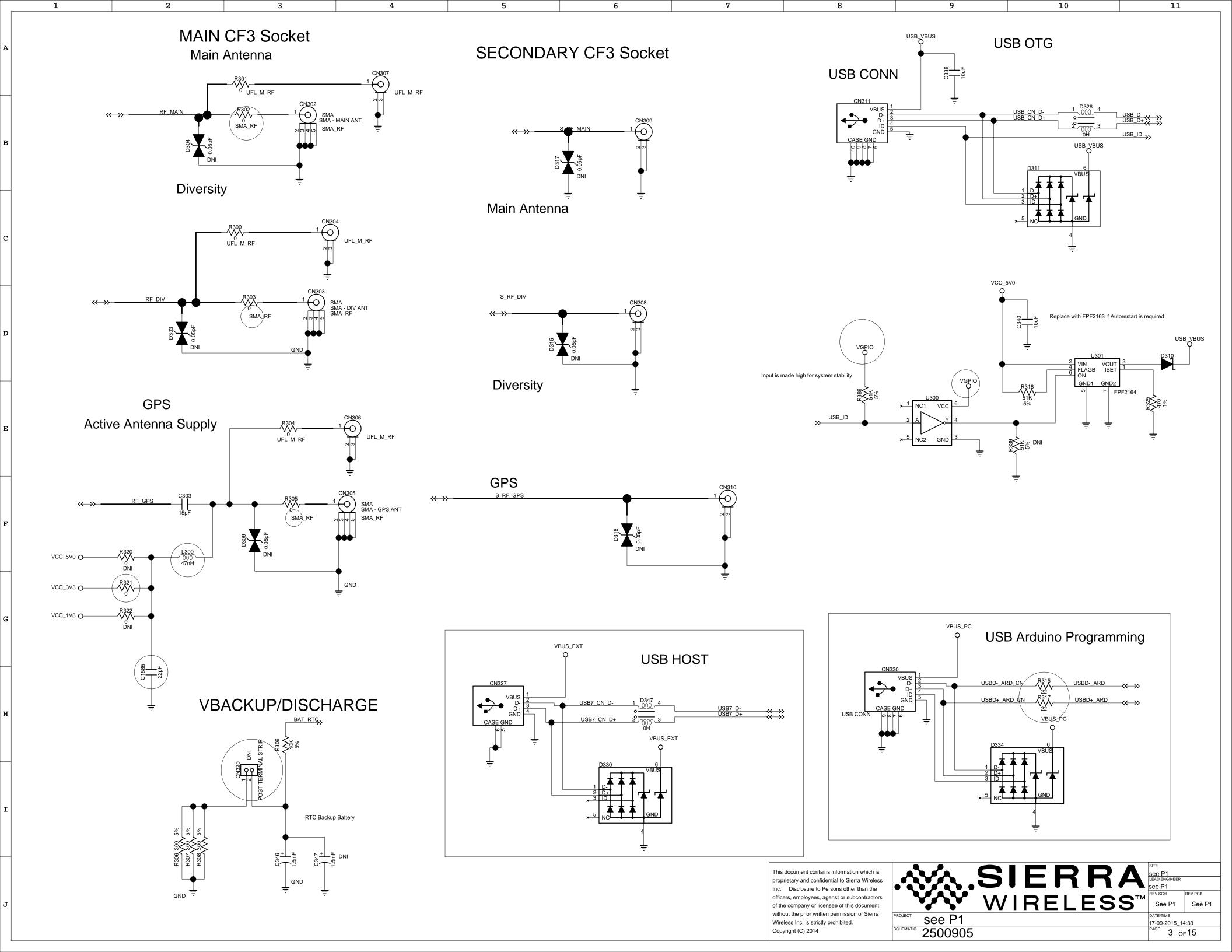
6Bh = Buck+batt charger

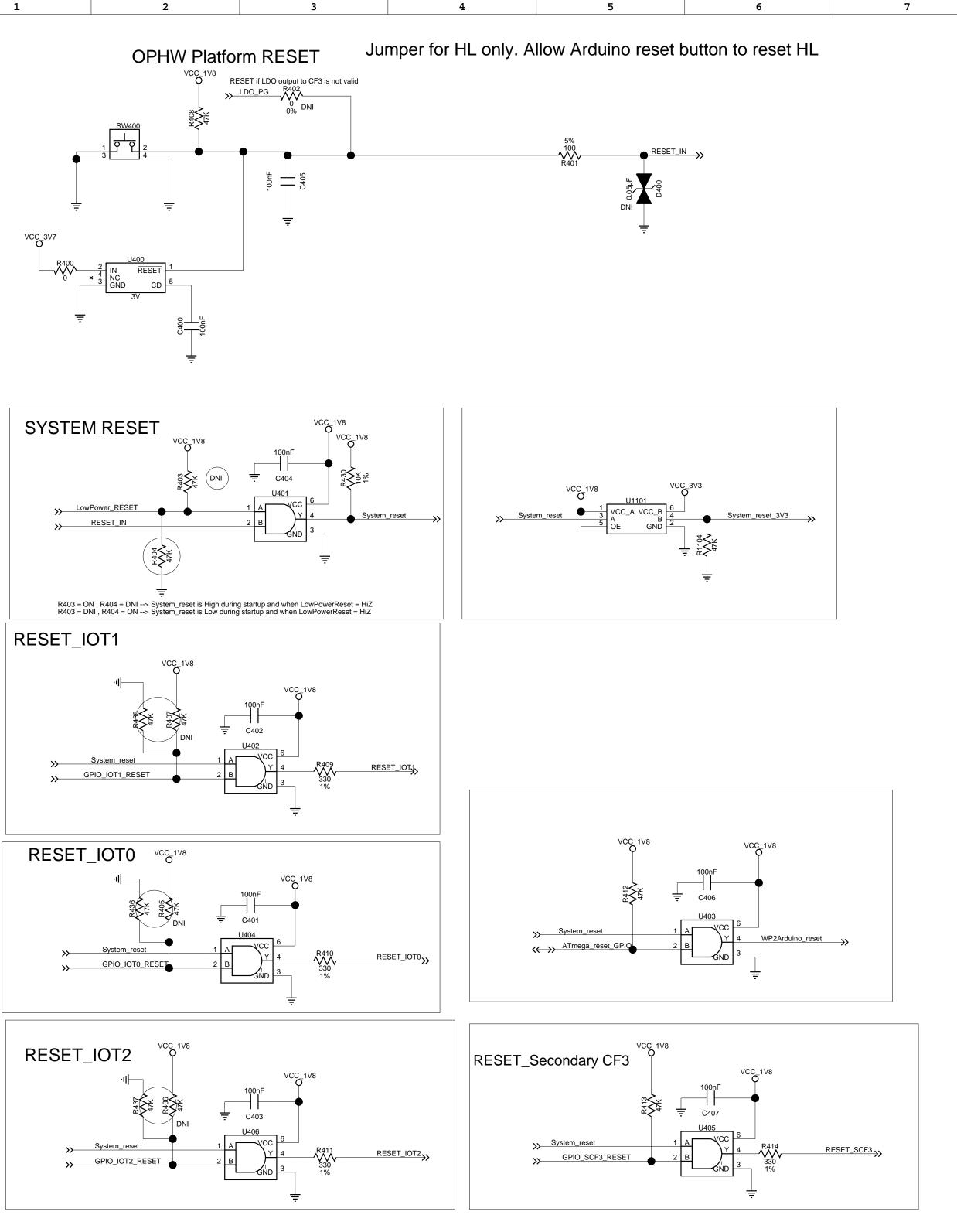
70h = I/O expander 3 71h = I2C Hub

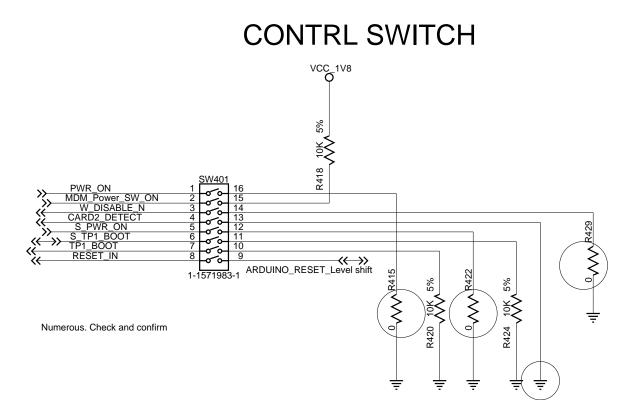
> REFERENCE 1600643 PCA, MANGOH 1401063 PCB, MANGOH

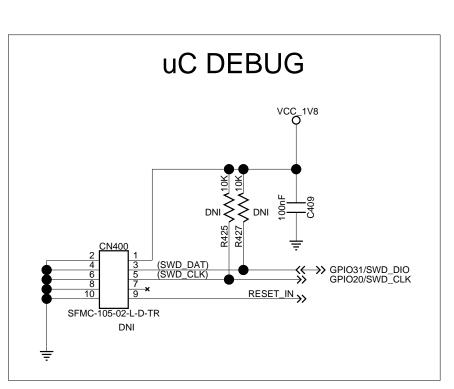


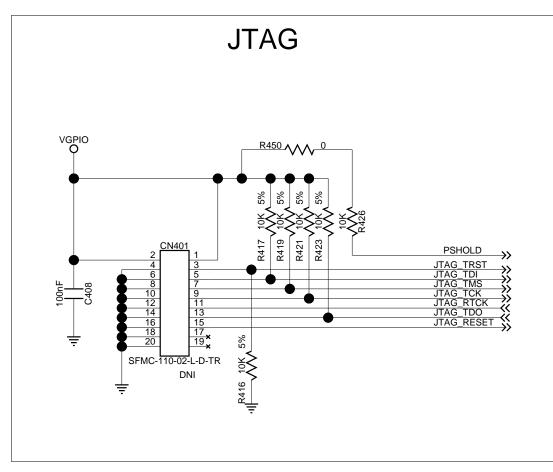








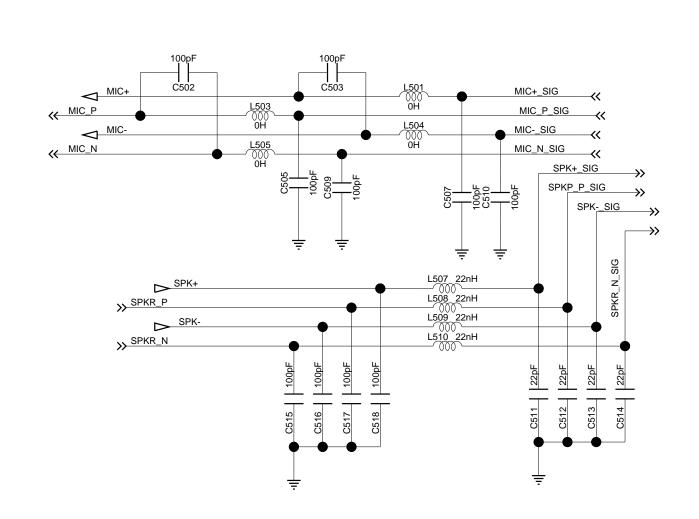


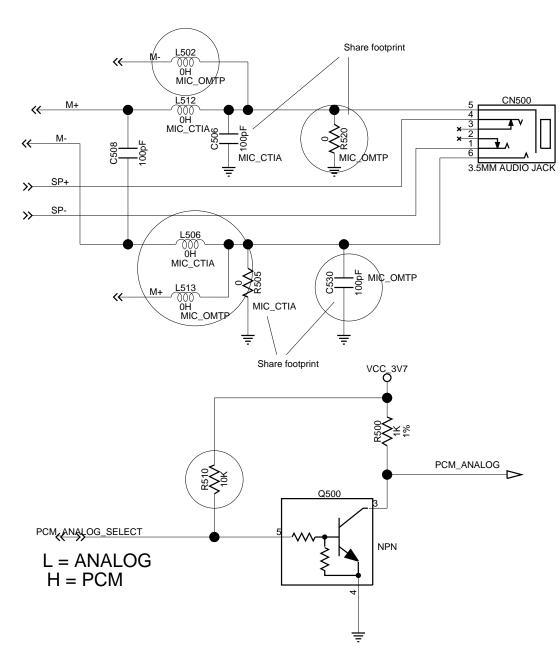


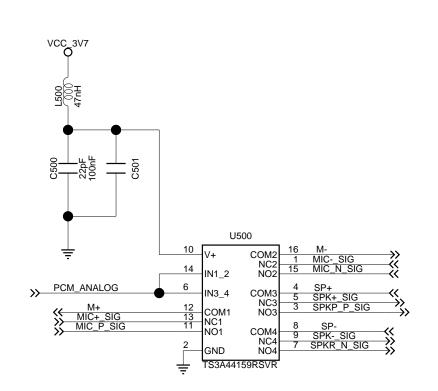


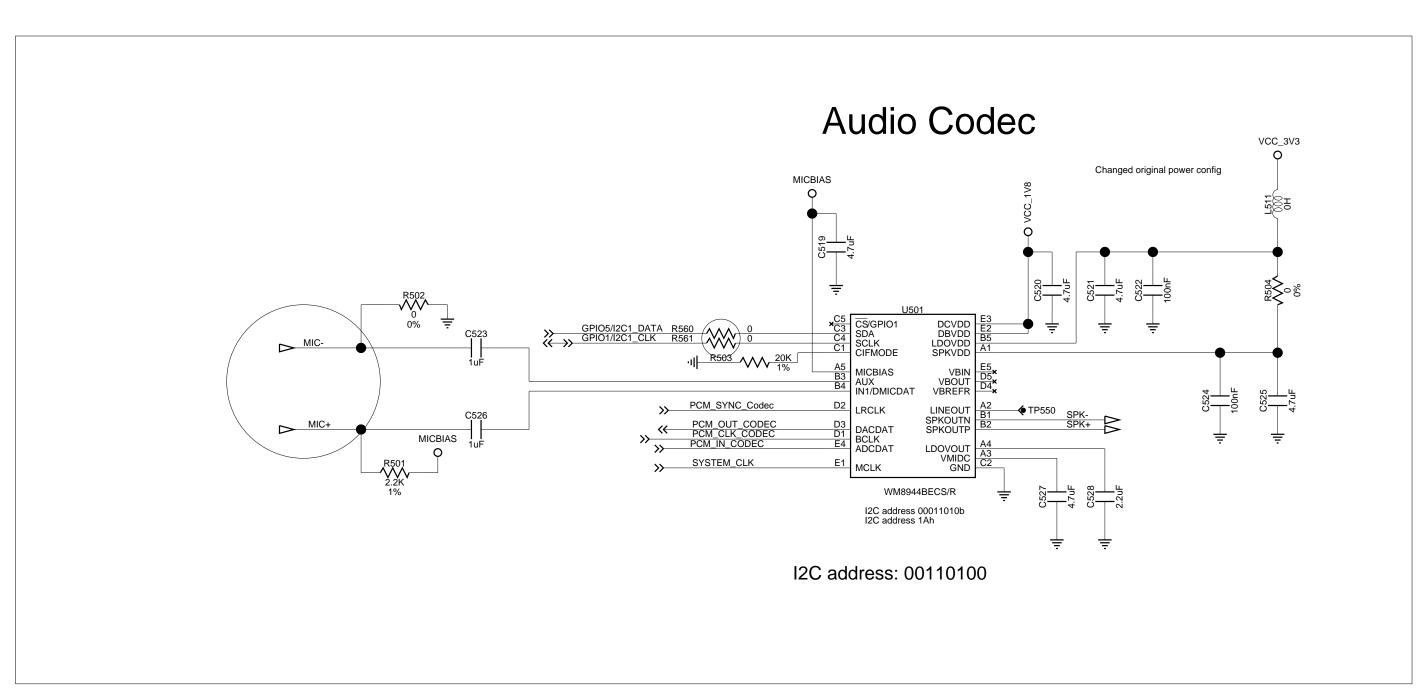
1 2 3 4 5 6 7 8 9 10 11

Audio Source Selection

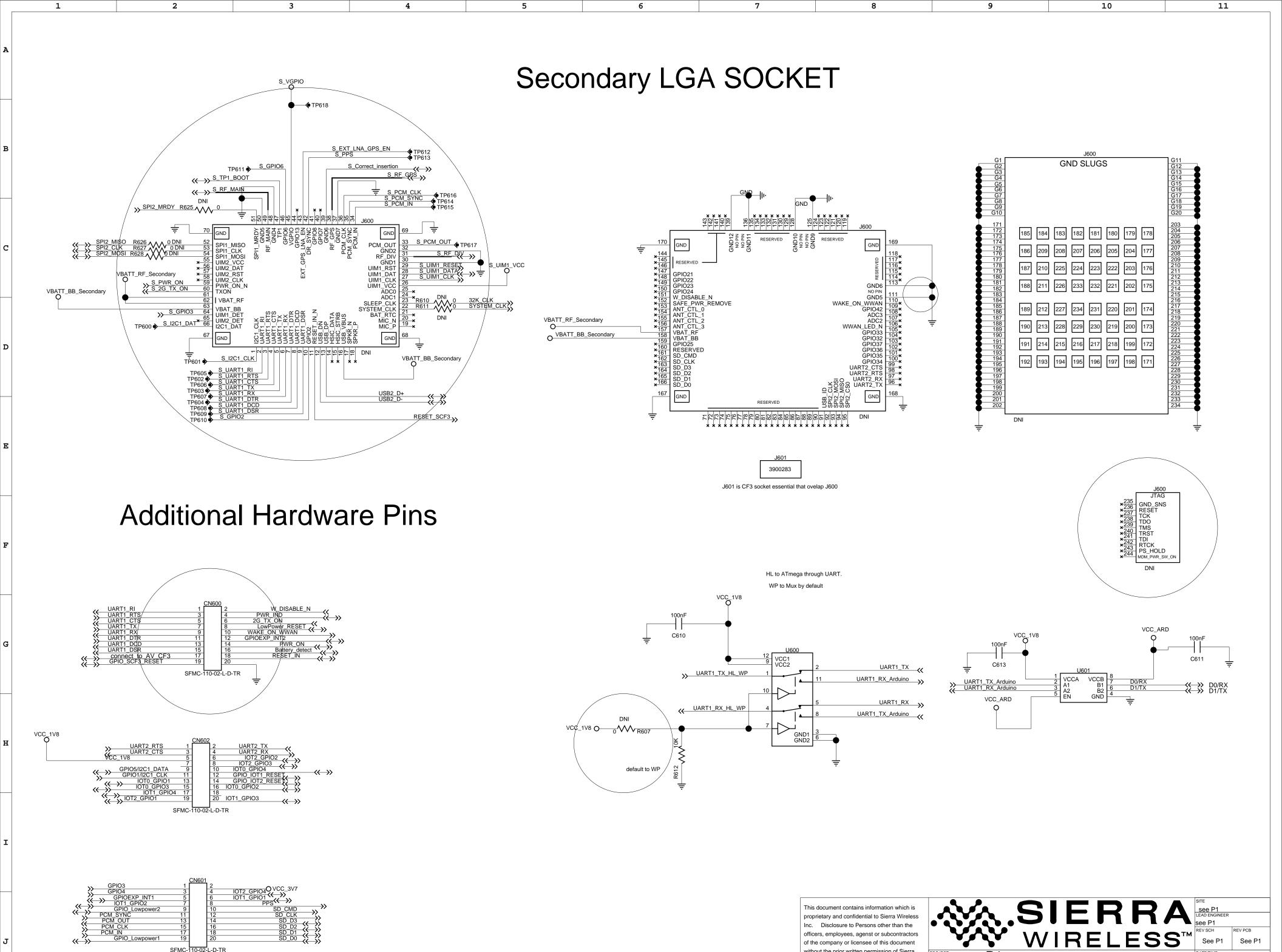












without the prior written permission of Sierra

Wireless Inc. is strictly prohibited.

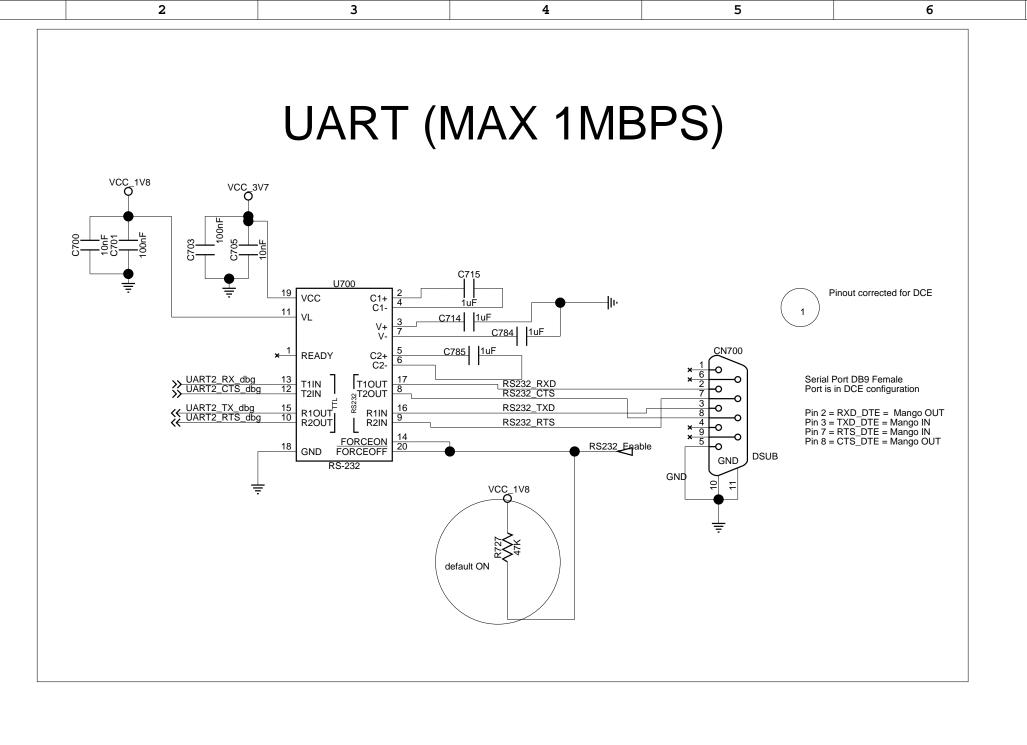
Copyright (C) 2014

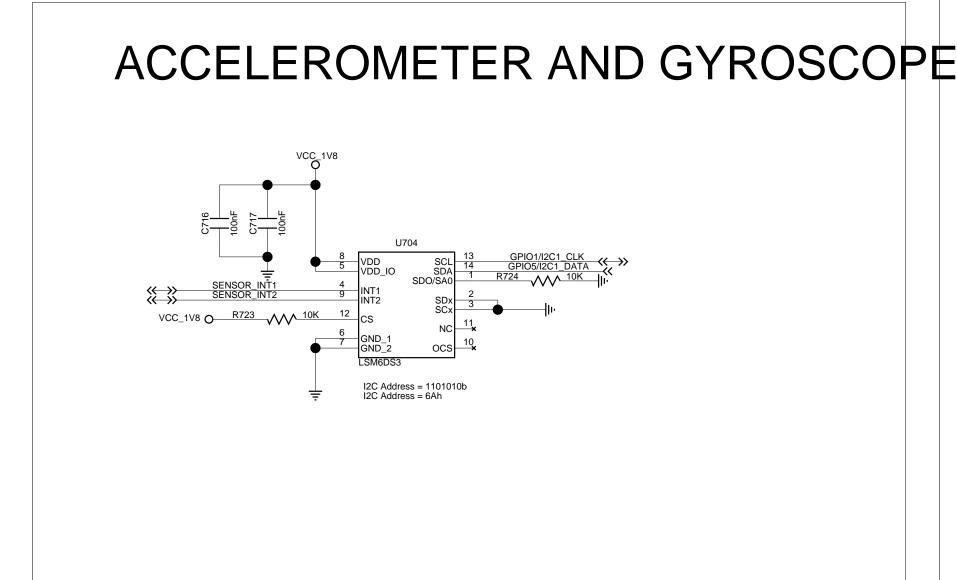
see P1

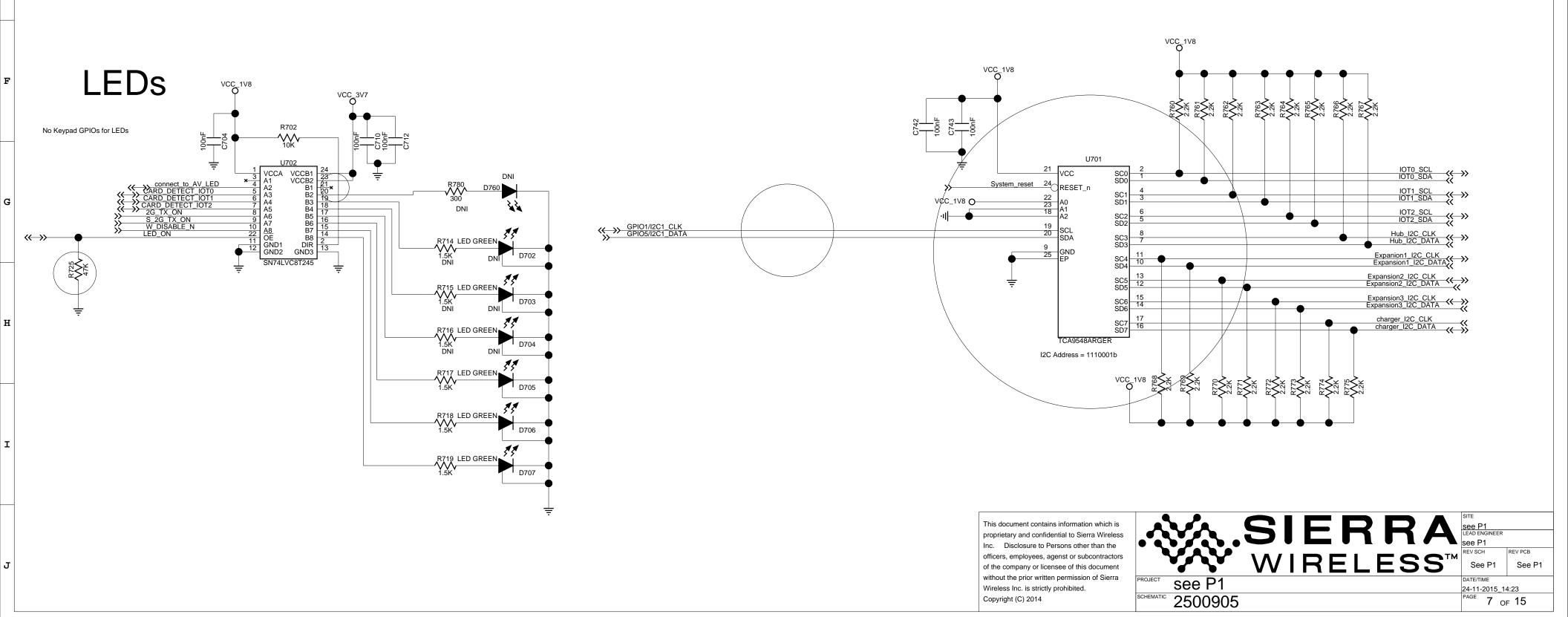
2500905

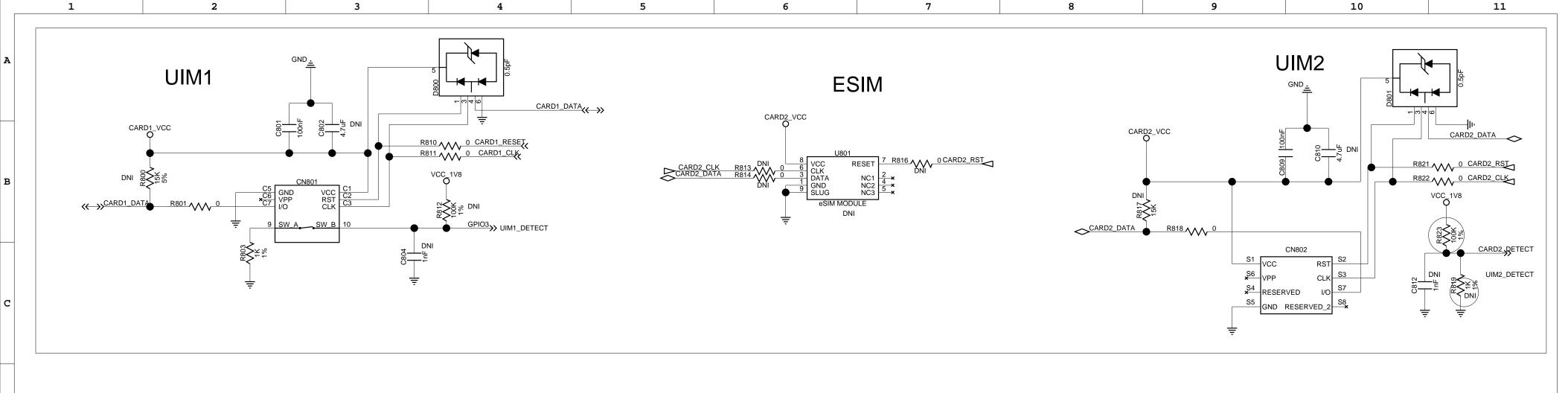
07-10-2015_14:31

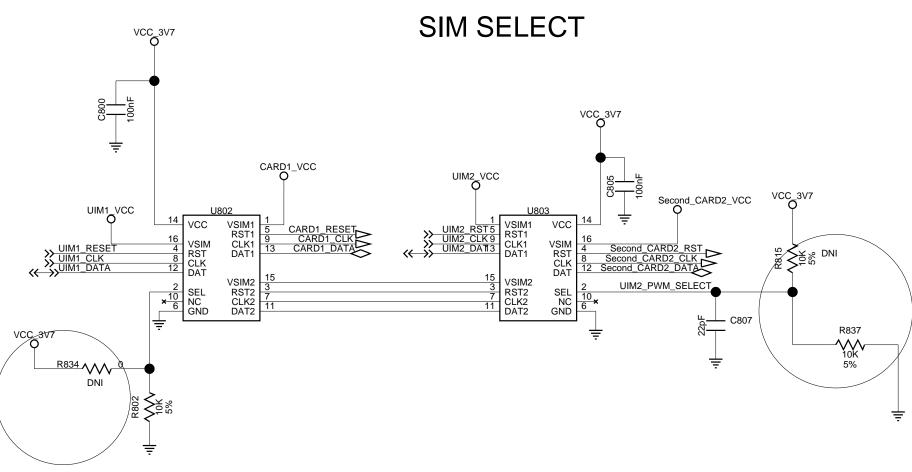
6 of 15



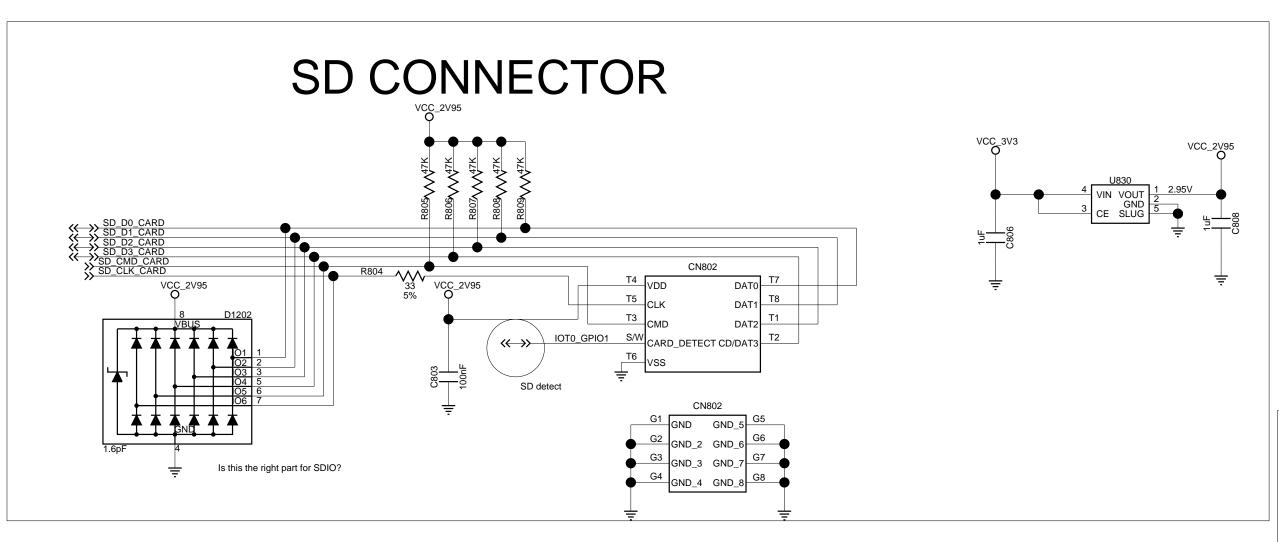




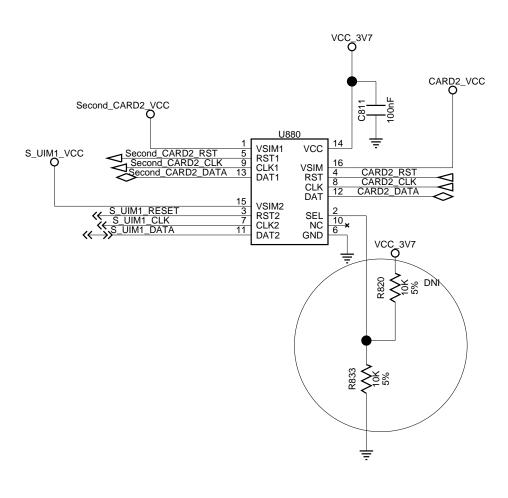


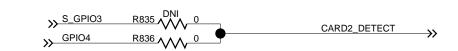


R834 IN FOR HL8 FAST SIM SWITCHING, OTHERWISE LEAVE OPEN



SIM SELECT





SCF3=0 (UIM1 --> CARD2)
MAINCF3=1 (UIM2 --> CARD2)



