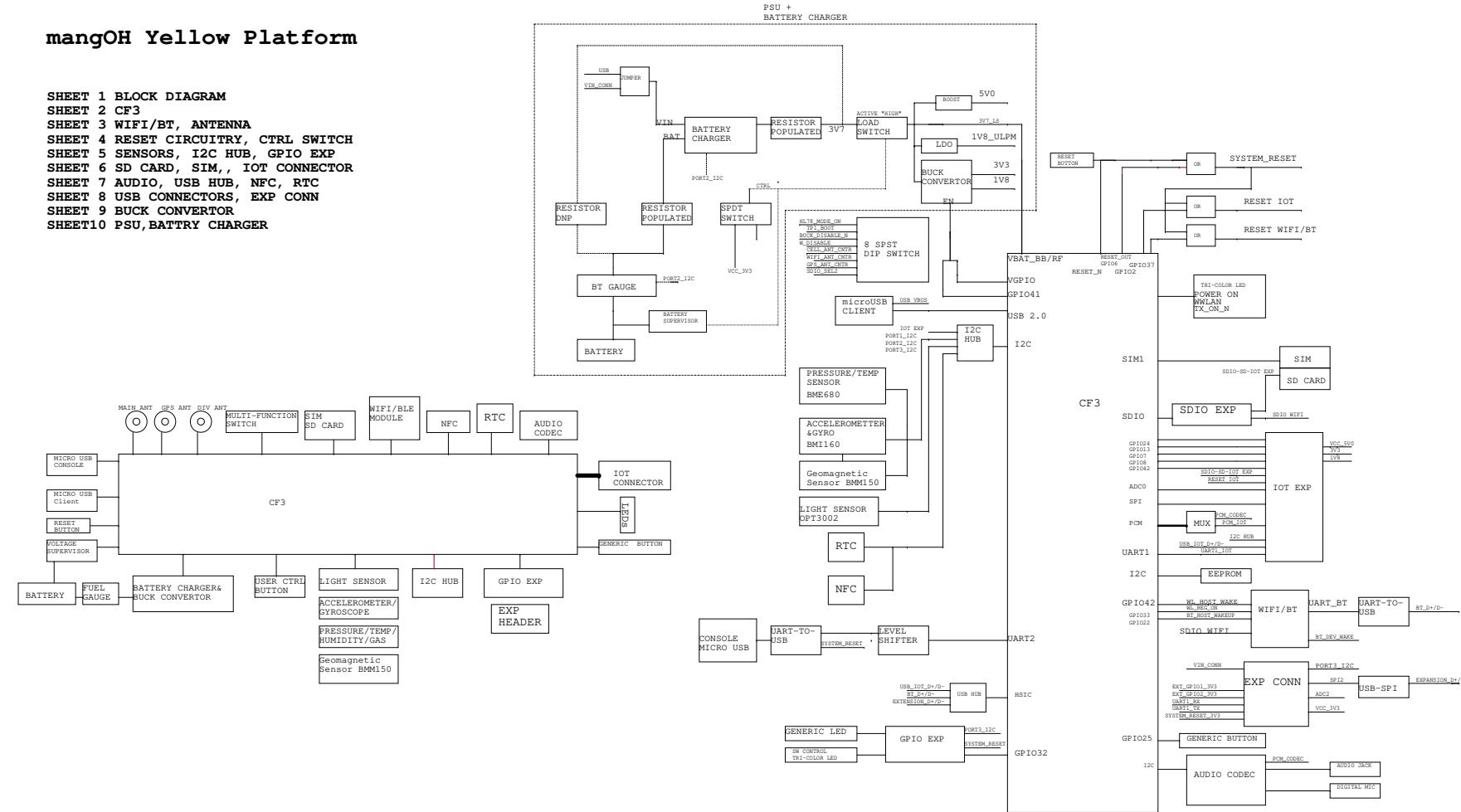


# mangOH Yellow Platform

SHEET 1 BLOCK DIAGRAM  
 SHEET 2 CF3  
 SHEET 3 WIFI/BT, ANTENNA  
 SHEET 4 RESET CIRCUITRY, CTRL SWITCH  
 SHEET 5 SENSORS, I2C HUB, GPIO EXP  
 SHEET 6 SD CARD, SIM,, IOT CONNECTOR  
 SHEET 7 AUDIO, USB HUB, NFC, RTC  
 SHEET 8 USB CONNECTORS, EXP CONN  
 SHEET 9 BUCK CONVERTOR  
 SHEET10 PSU, BATTRY CHARGER



## I2C ADDRESS LIST

PN	Description	REVISION
5303064	PCB, MANGOH YELLOW	11
5303066	PCA, MANGOH YELLOW	5
2142586	SCHEMATIC, MANGOH YELLOW	21

U200 EEPROM: 0x50  
 U508 ACCE/GYRO: 0x18/68  
 U507 BME680: 0x76  
 U502 BMM150: 0x10/0x11  
 U503 IO EXP: 0x3E  
 U506 OPT3002: 0x44  
 U505 TCA9546: 0x71 (same as 'red')  
 U700 NT3H2211: 0x55 (default - can be changed)  
 U701 PCF85063: 0x51  
 U1000 BQ25601: 0x6B  
 U1002 BQ27426: 0x55  
 U703 USB3503A: 08h

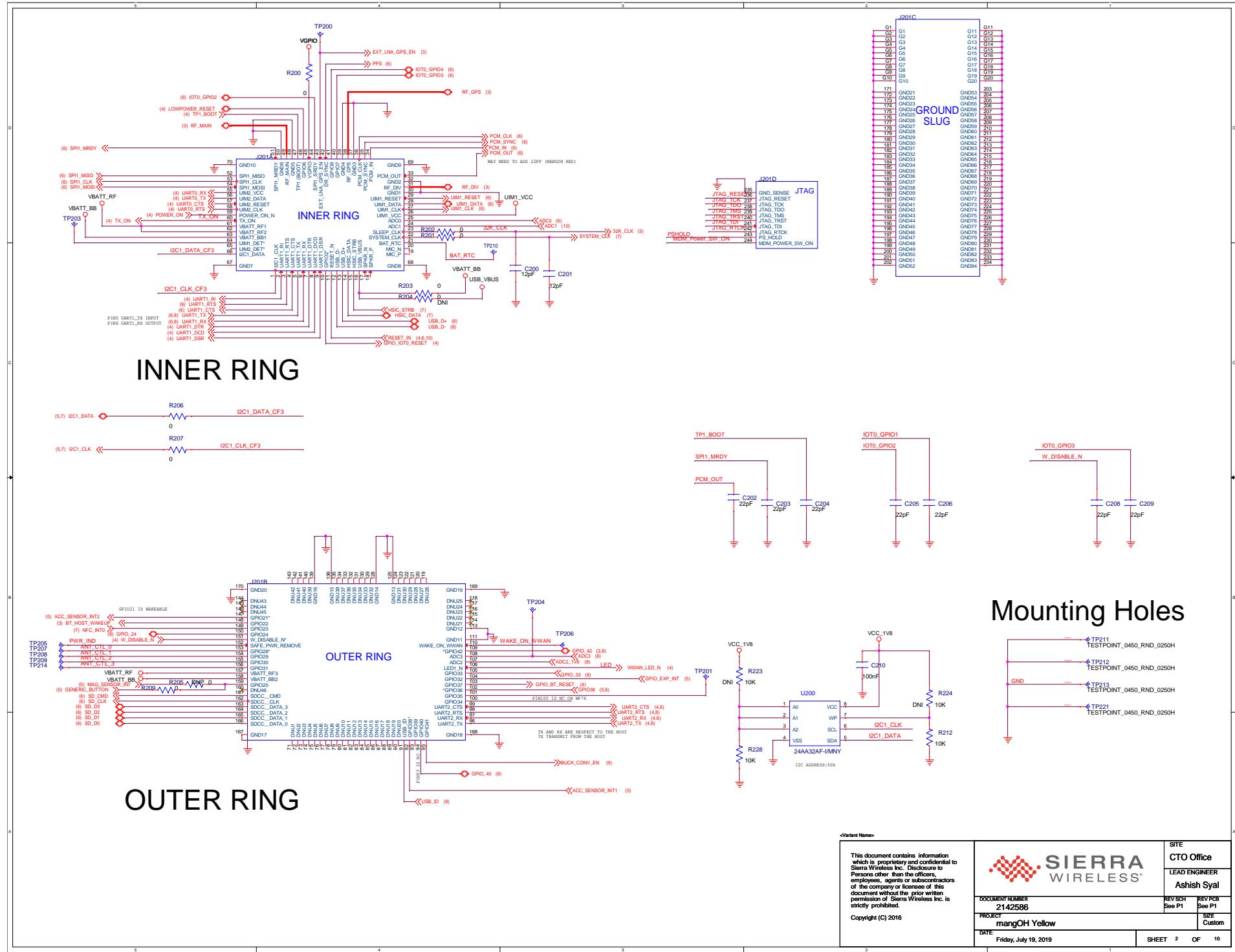
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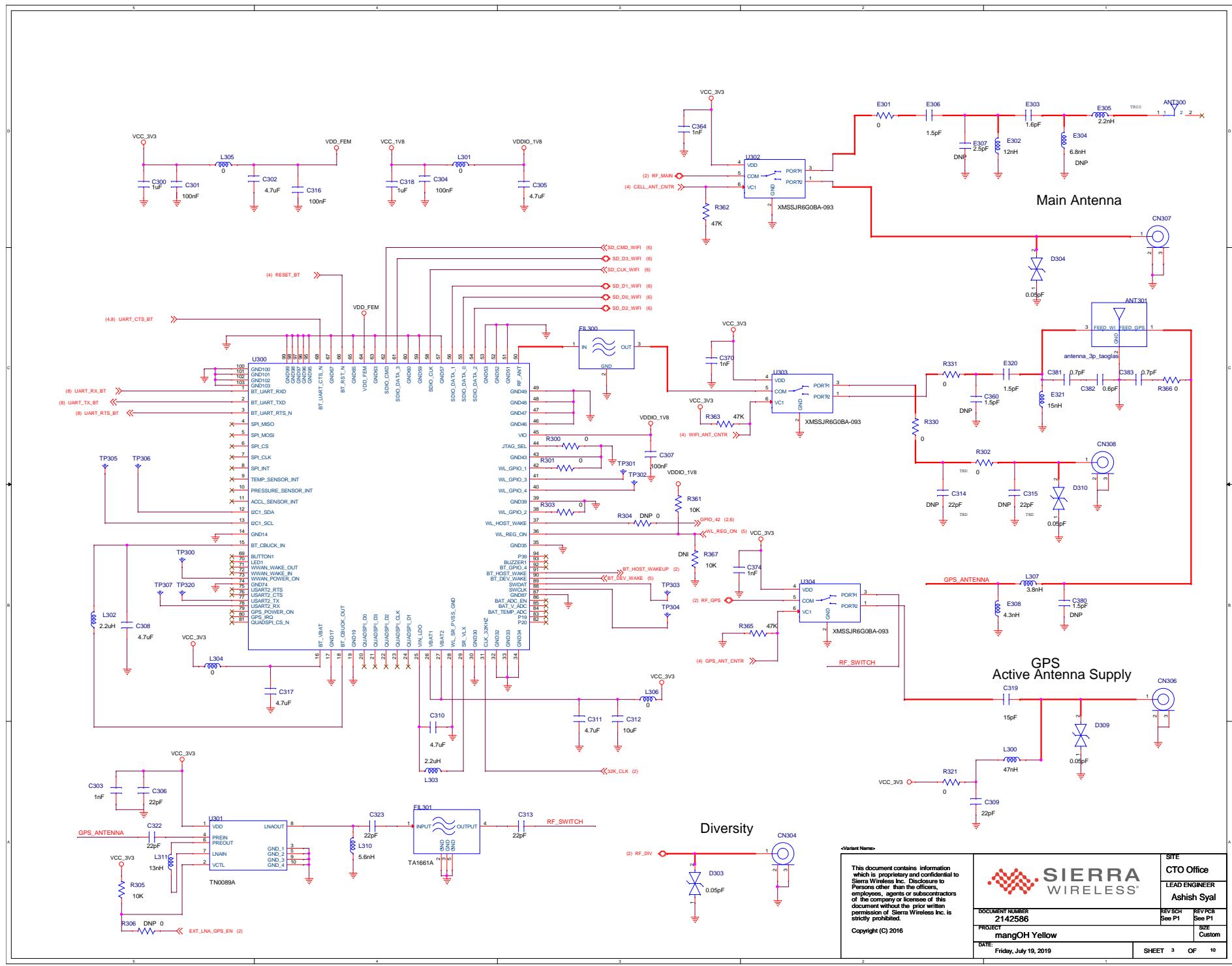
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DOCUMENT NUMBER	REV/SCH	REV/PBS
2142586	21	11
PROJECT	mangOH Yellow	SIZE
DATE	Friday, July 26, 2019	Custom





**Variant Name:**  
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**SITE**  
**CTO Office**

**LEAD ENGINEER**  
**Ashish Syal**

**DOCUMENT NUMBER**  
**214256**

**REV SCH**  
**See P1**

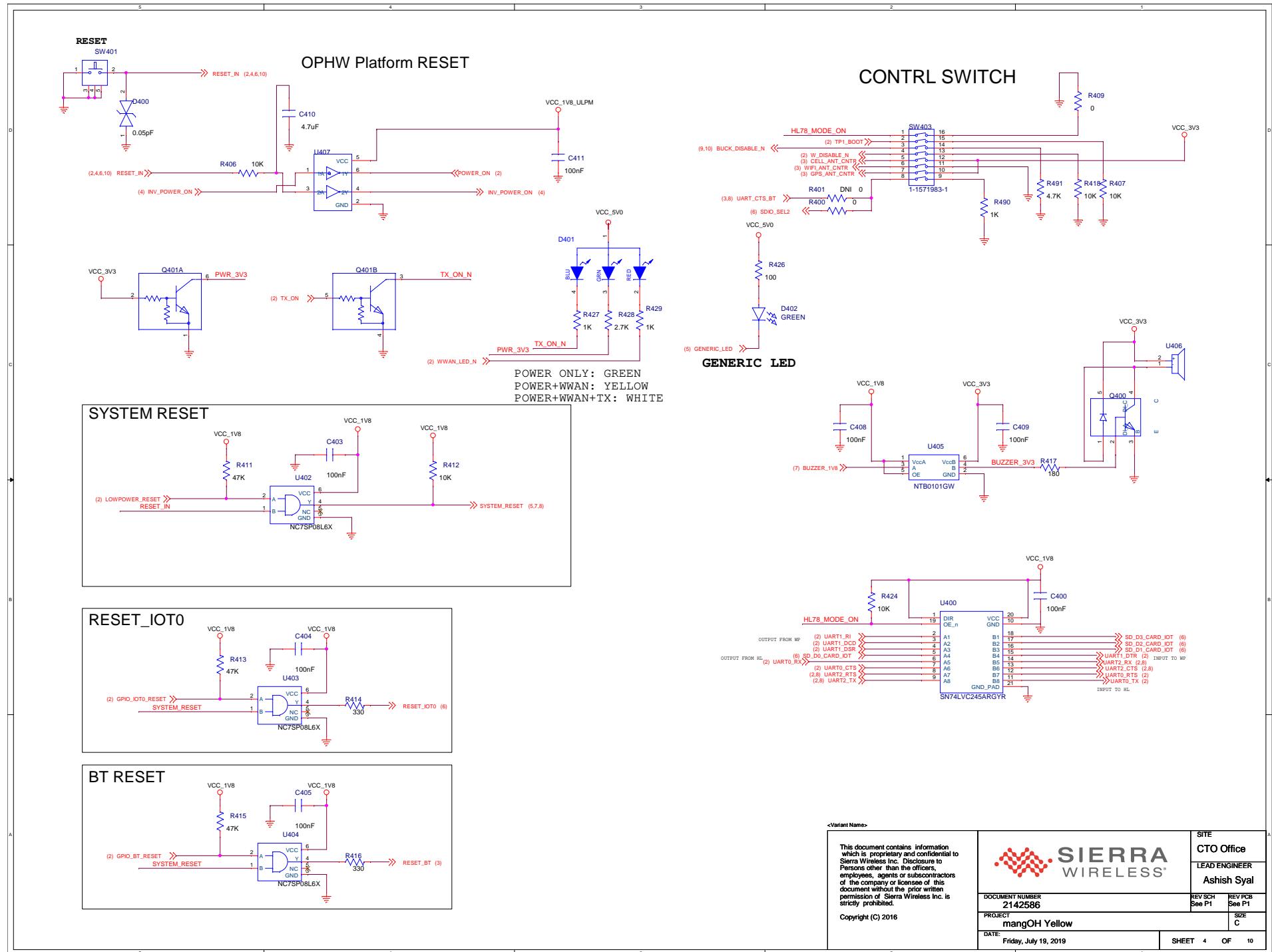
**REV PCB**  
**See P1**

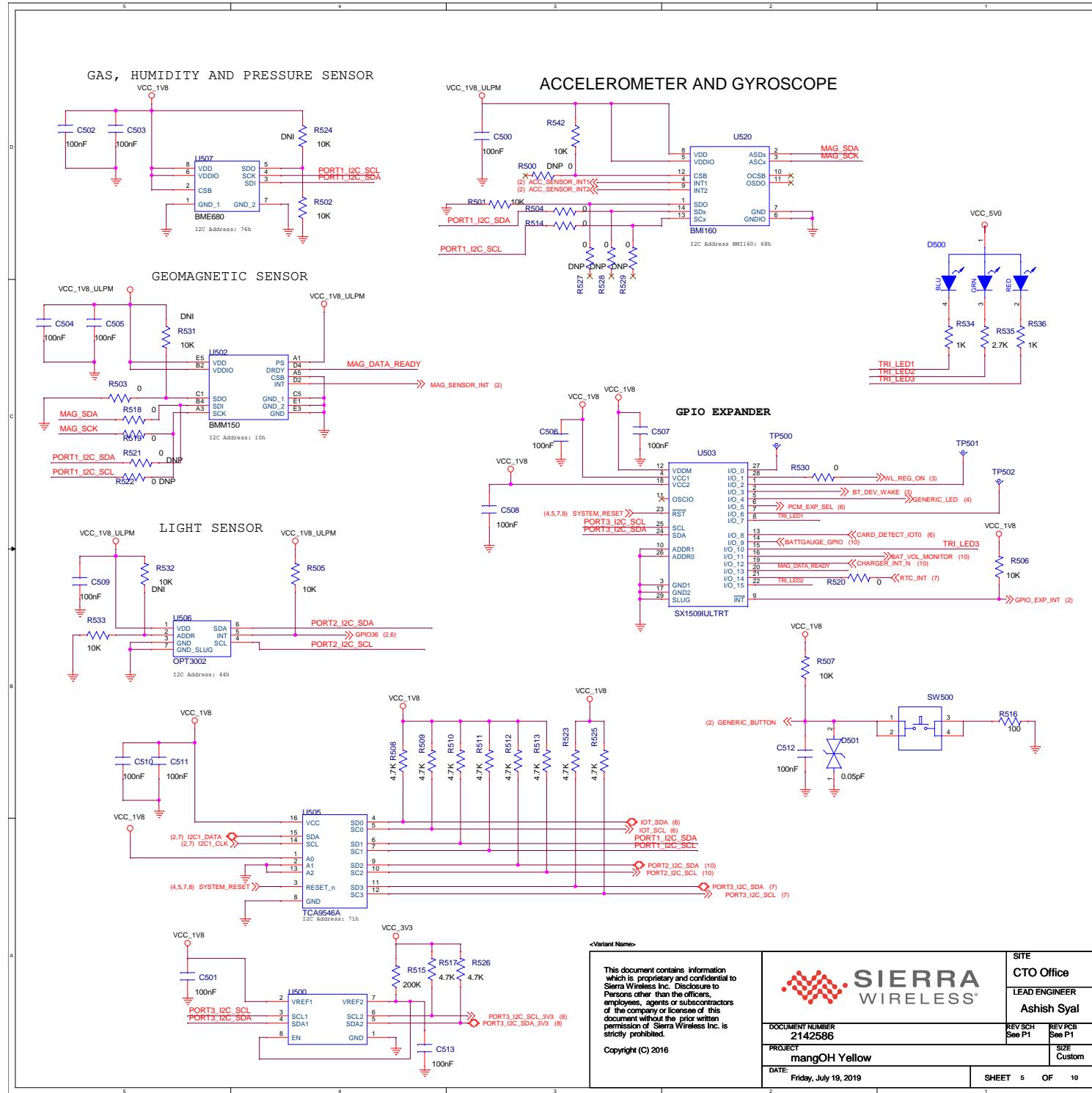
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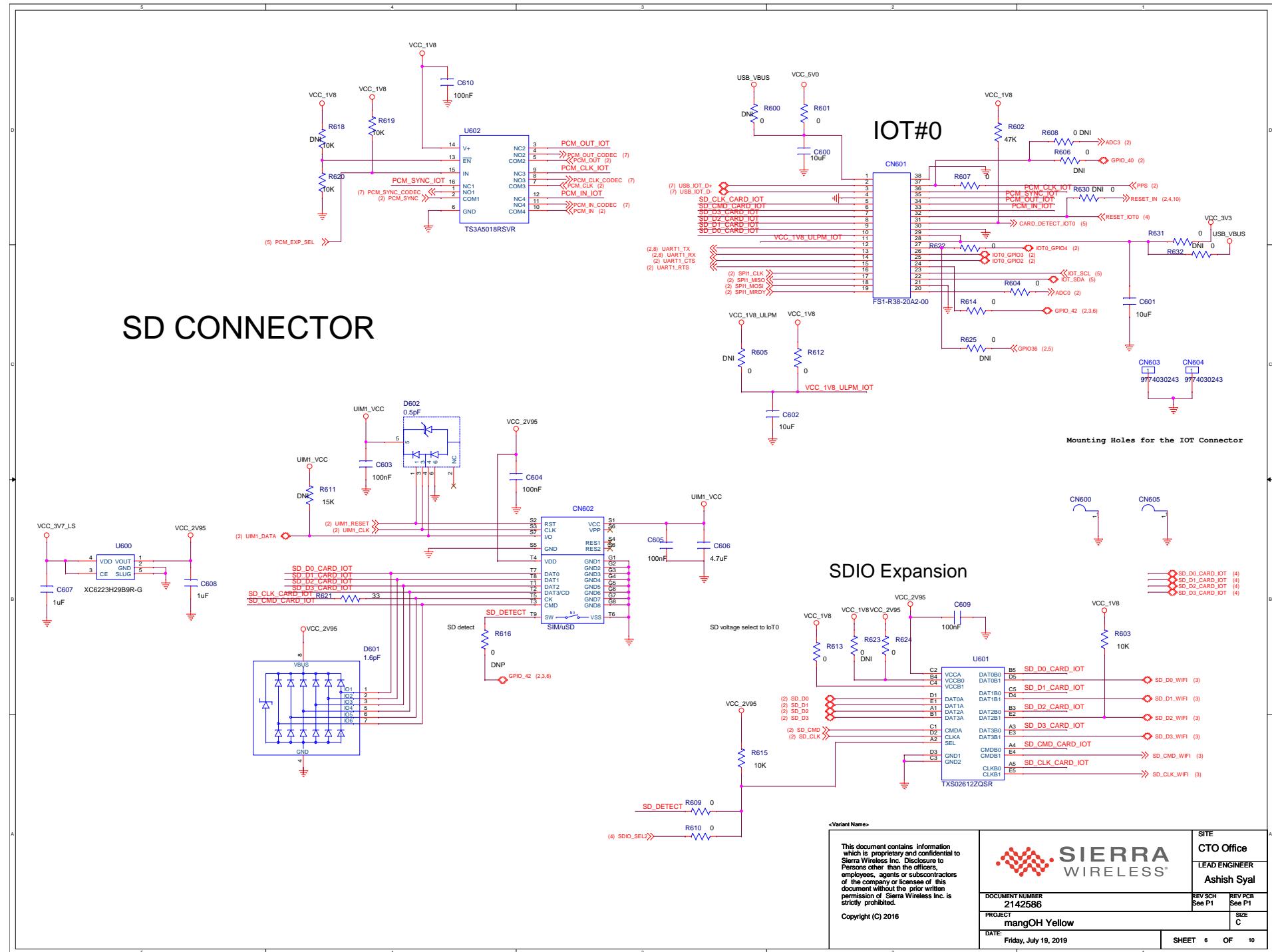
**PROJECT**  
**mangOH Yellow**

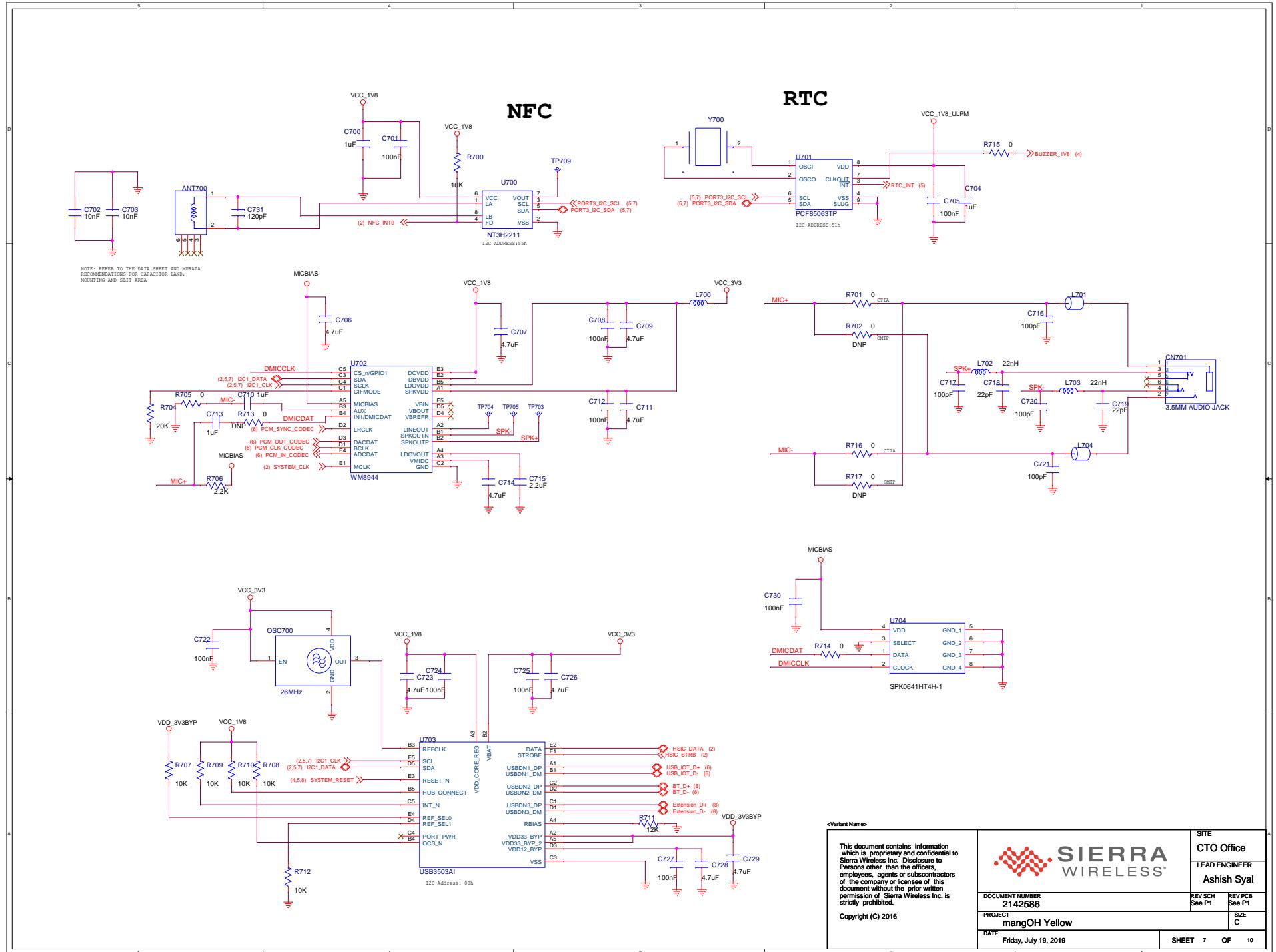
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**Friday, July 19, 2019**

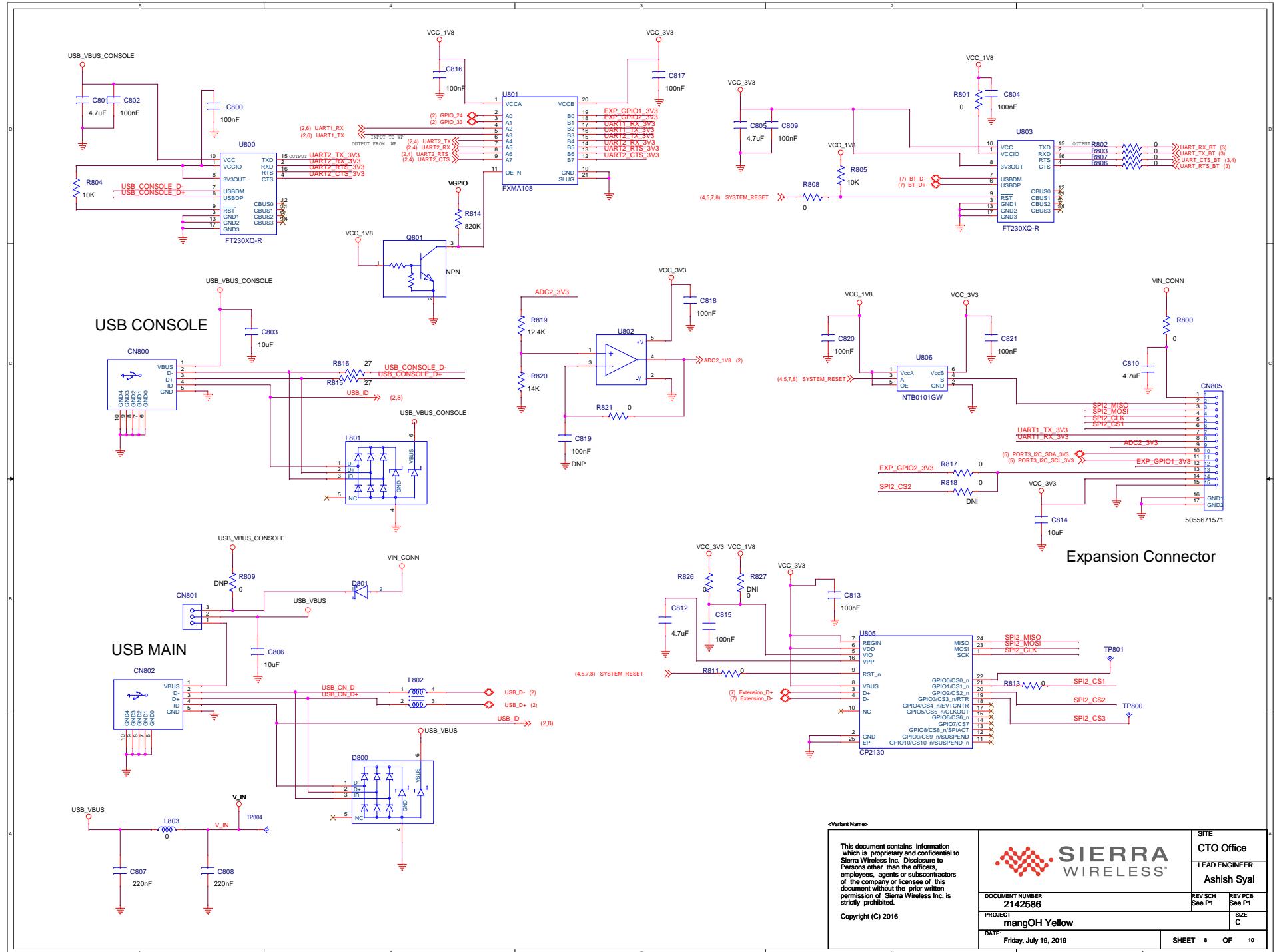
**SHEET**  
**3 OF 10**











<Variant Name>

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LEAD ENGINEER  
Ashish Syal

DOCUMENT NUMBER  
2142586

REV SCH  
See P1

REV PCB  
See P1

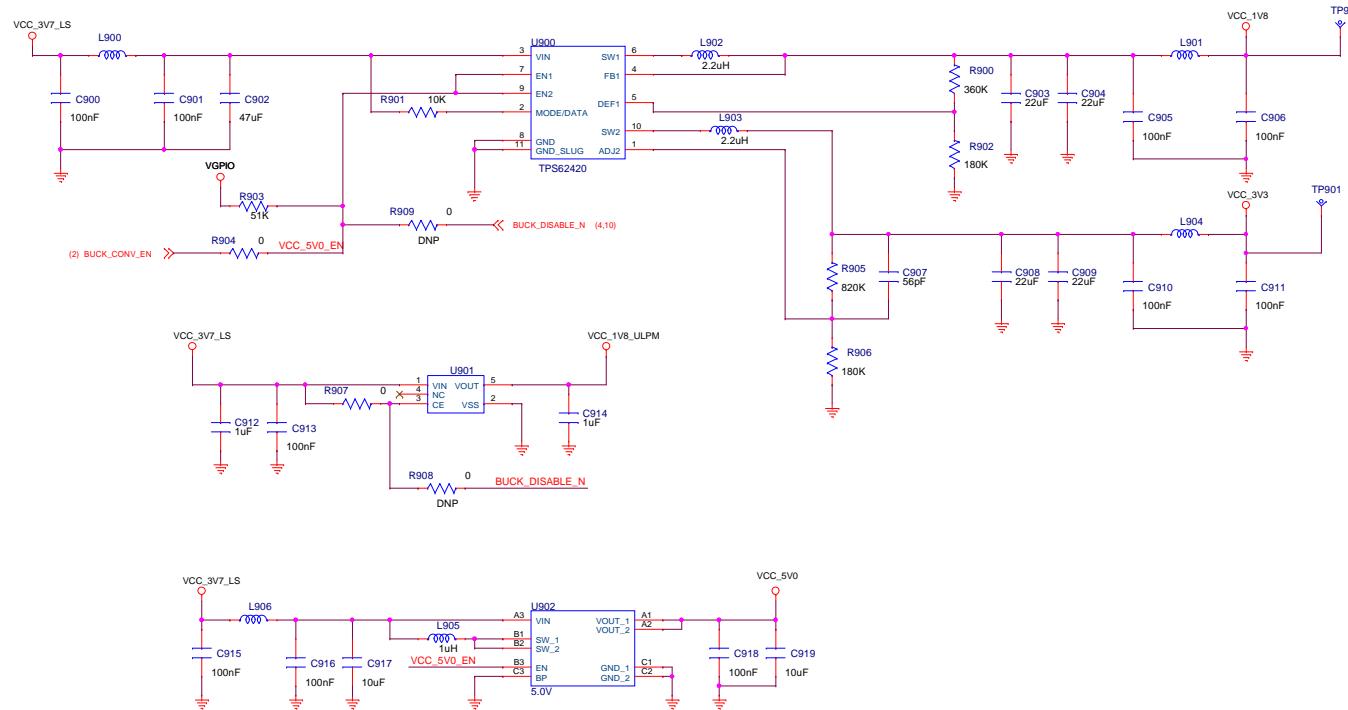
SIZE  
C

PROJECT  
mangOH Yellow

DATE  
Friday, July 19, 2019

SHEET 8 OF 10

# 3V3 and 1V8 Buck



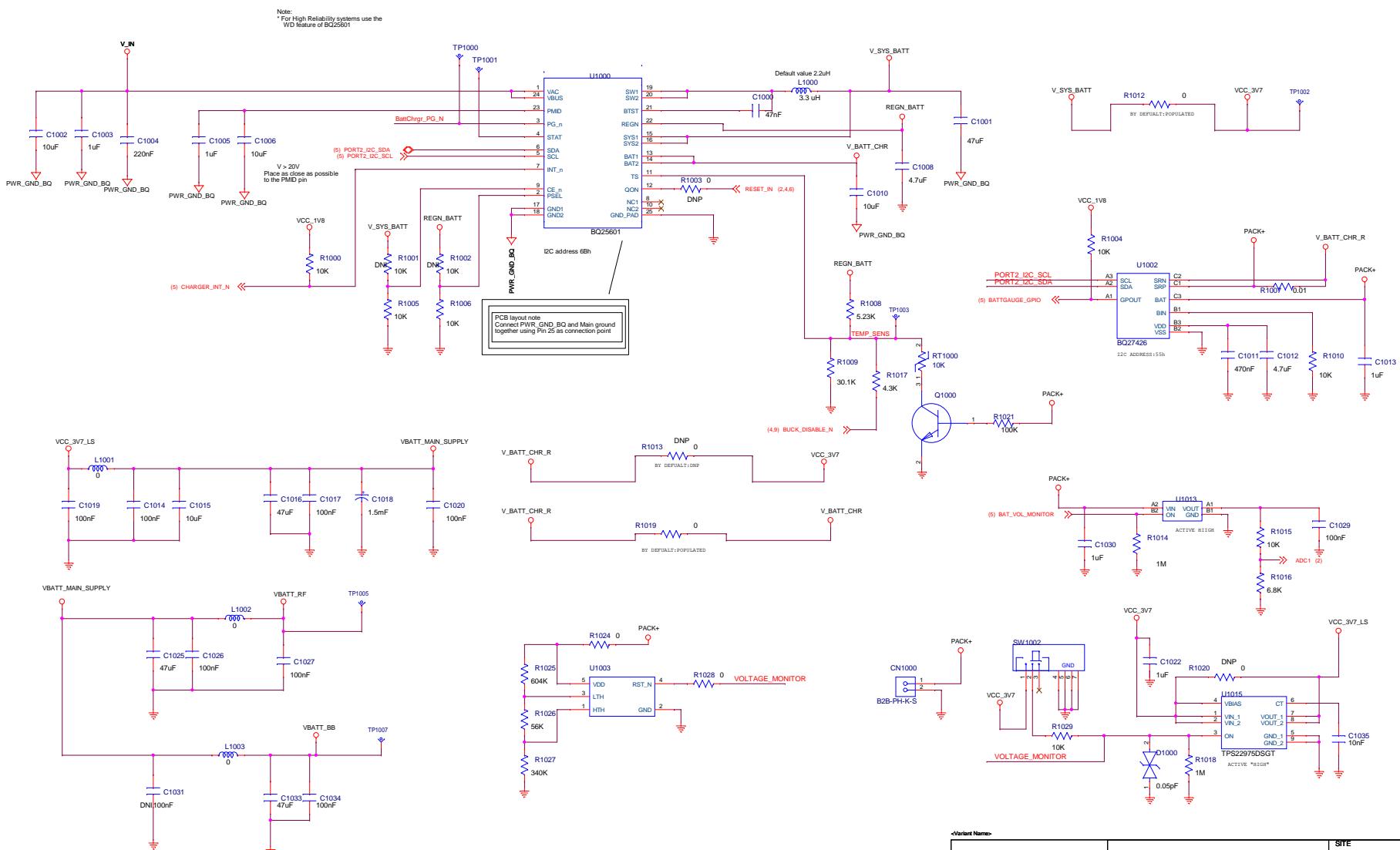
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REPLACE THE	1	SITE CTO Office
		LEAD ENGINEER Ashish Syal
DOCUMENT NUMBER <b>2142586</b>	REV SCH See P1	REV PCB See P1
PROJECT <b>mangOH Yellow</b>		SIZE C
DATE: Friday, July 19, 2019	SHEET 8 OF 10	

## PSU Front End and 3.7V DC/DC converter



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<b>A</b> S <b>D</b>	<b>SITE</b> <b>CTO Office</b>
	<b>LEAD ENGINEER</b> <b>Ashish Syal</b>
	<b>REV SCH</b> See P1
	<b>REV PCB</b> See P1
	<b>SIZE</b> Custom
<b>SHEET</b>	10
<b>OF</b>	10