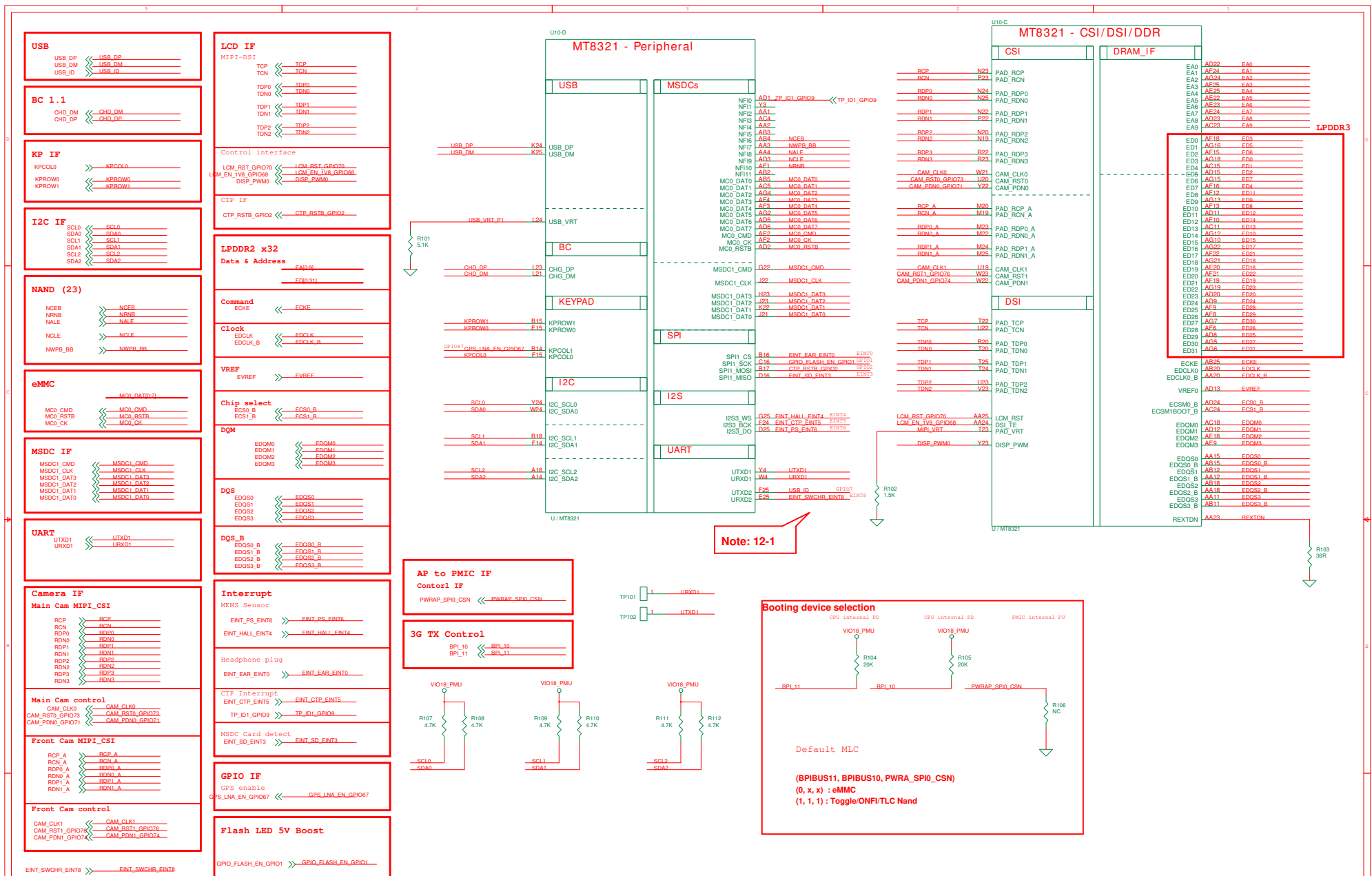




Schematic design notice of "12_BB_2" page.

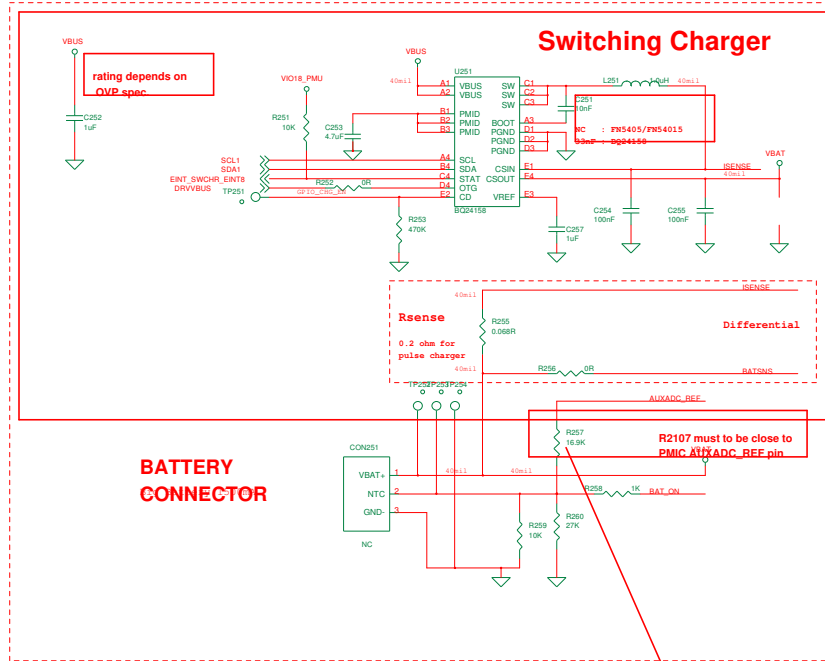
Note 12-1:

Do not use UART1 as Power solution enable.

Do not use UART2 as power solution enable, if select UART1 as D/L or calibration path,

Charger IF

ENT_SWCHR_ENTB	ENT_SWCHR_ENTB
SCL1	SCL1
SDA1	SDA1
ISENSE	ISENSE
BATSNS	BATSNS
AUXADC_REF	AUXADC_REF
BAT_ON	BAT_ON



if battery NTC is 10kohm, R310=16.9K, R312=27K
if battery NTC is 47kohm, R310=61.9K, R312=100K
Refer to MT6350 HW design notice

21_Charger

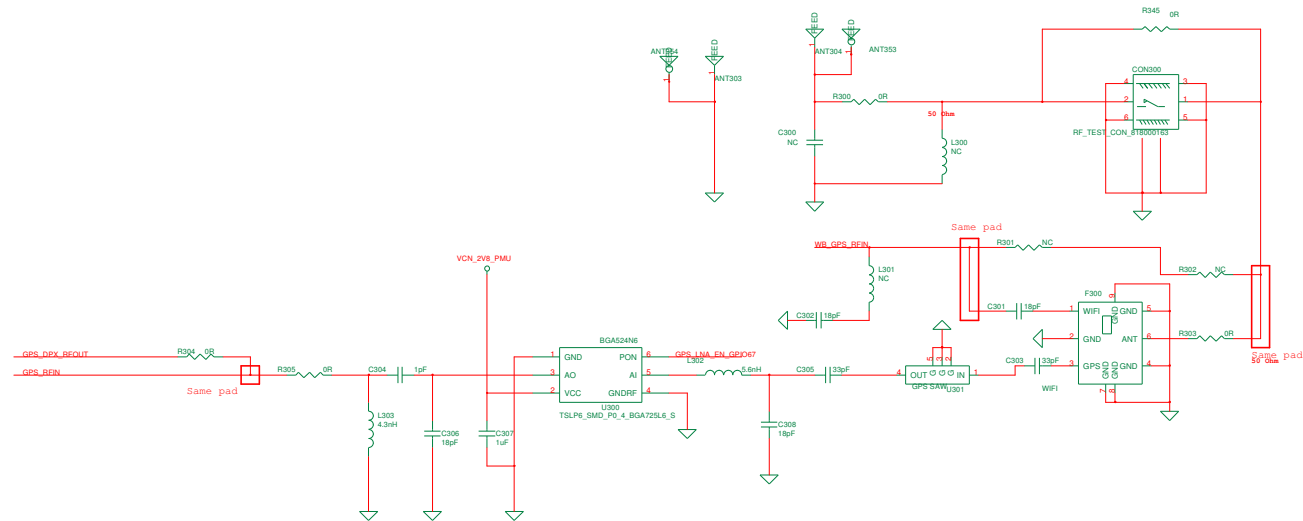
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WCN RF Interface

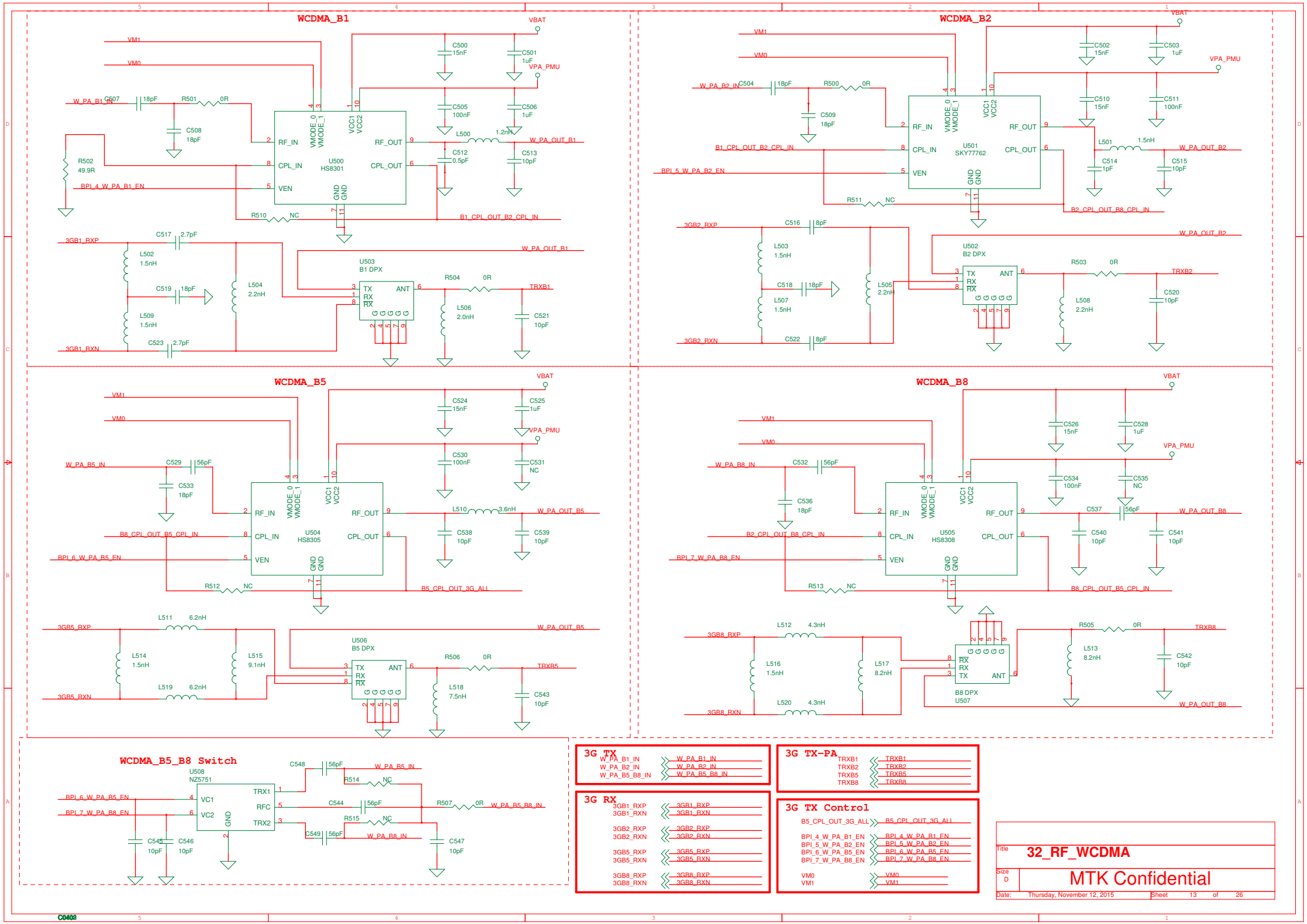
WB_GPS_RF_IN << WB_GPS_RF_IN
GPS_DPX_RFOUT << GPS_DPX_RFOUT
GPS_RF_IN << GPS_RF_IN
GPS_LNA_EN_GPS >> GPS_LNA_EN_GPS



50_BT_FM_GPS_WiFi

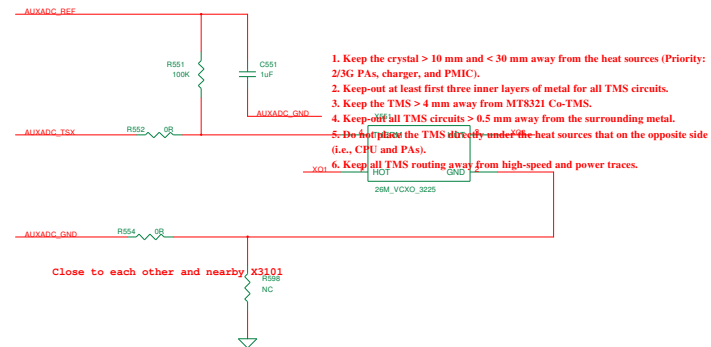
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- 1.Route AUXADC_REF/AUXADC_TSX with 3mil trace width
- 2.Route AUXADC_REF/AUXADC_TSX as differential trace with well GND shielding
- 3.Route AUXADC_GND with 15mil trace width under AUXADC_REF/AUXADC_TSX trace to provide return current path



```
GPIO_FLASH_STB      >>> GPIO_FLASH_STB
GPIO_FLASH_EN_GPIO1 >>> GPIO_FLASH_EN_GPIO1
SCL2                 >>> SCL2
SDA2                 >>> SDA2
```

```
GPIO_FLASH_STB      >>> GPIO_FLASH_STB
GPIO_FLASH_EN_GPIO1 >>> GPIO_FLASH_EN_GPIO1
SCL2                 >>> SCL2
SDA2                 >>> SDA2
```

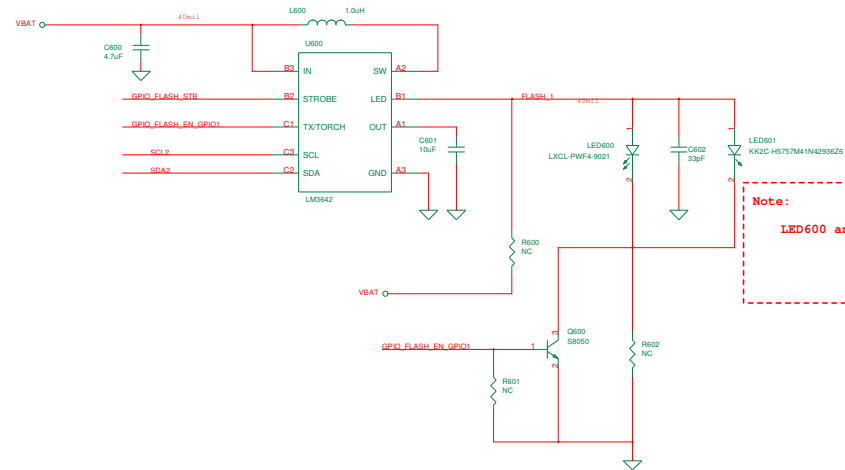
LCM_LED0 >> LCM_LED0
LCM_LEDK >> LCM_LEDK

DISP_PWM0 >> DISP_PWM0

LCM_LED0 >>> LCM_LED0
 LCM_LEDK >>> LCM_LEDK

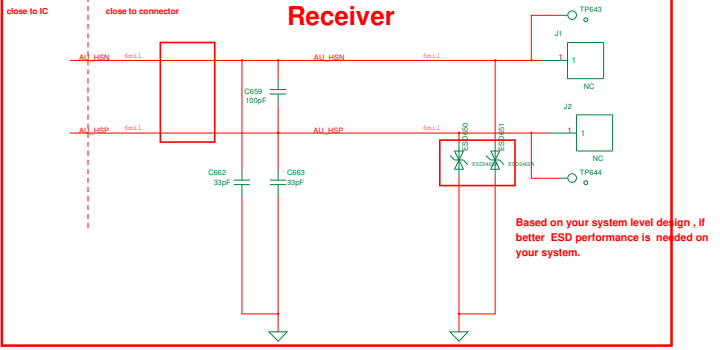
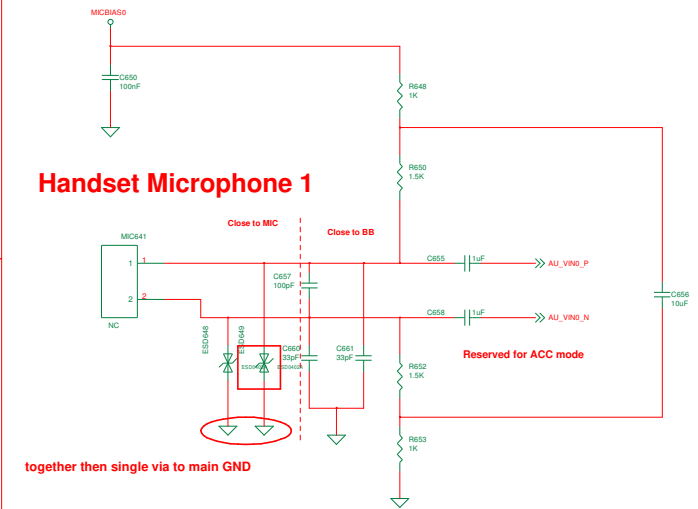
 DISP_PWM0 >>> DISP_PWM0

Flash LED I2C address: 0X63 (Write:0xC6, Read:0xC7)

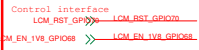
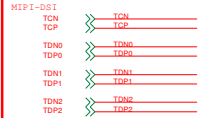


Note:

LED600 and LED601 dual layout!!



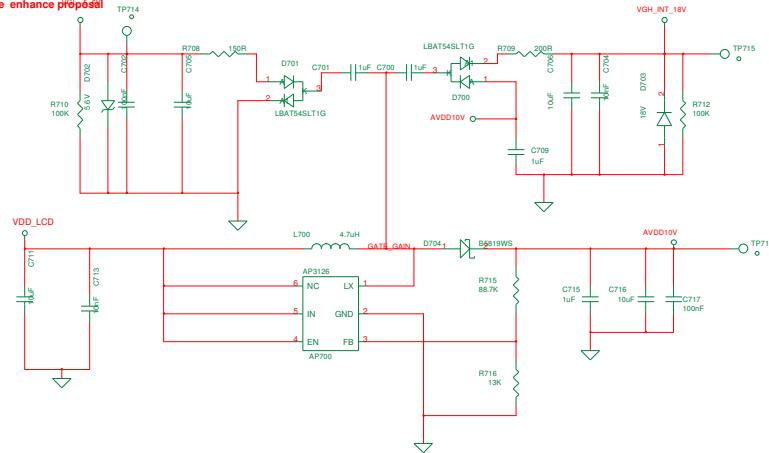
LCD interface



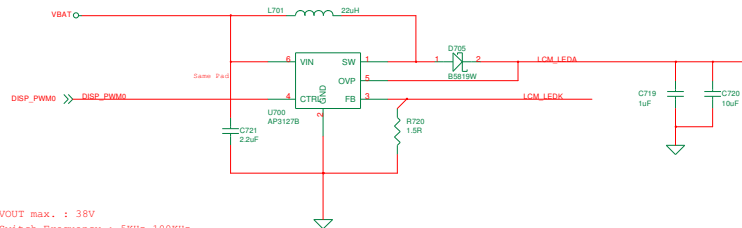
Blacklight IP



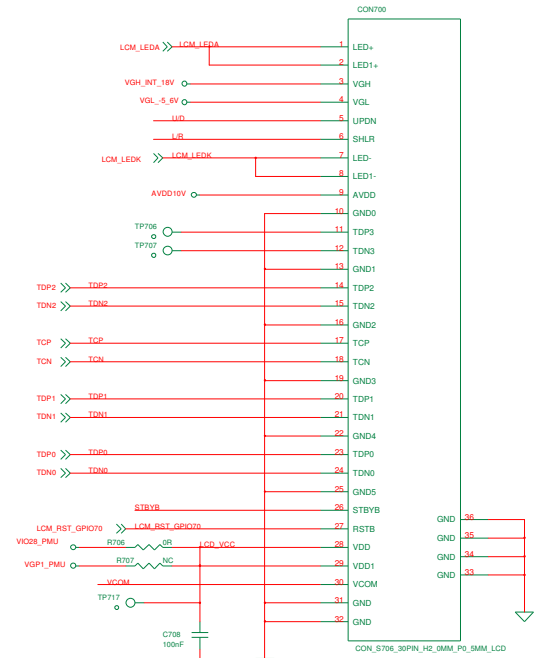
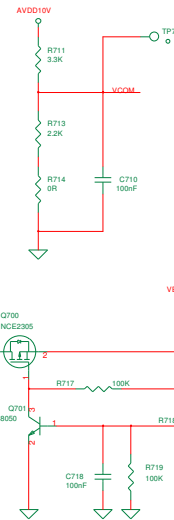
Based on your system level design , if better desense performance is needed on your system , please refer to desense performance enhance proposal



LCM Backlight LED Driver



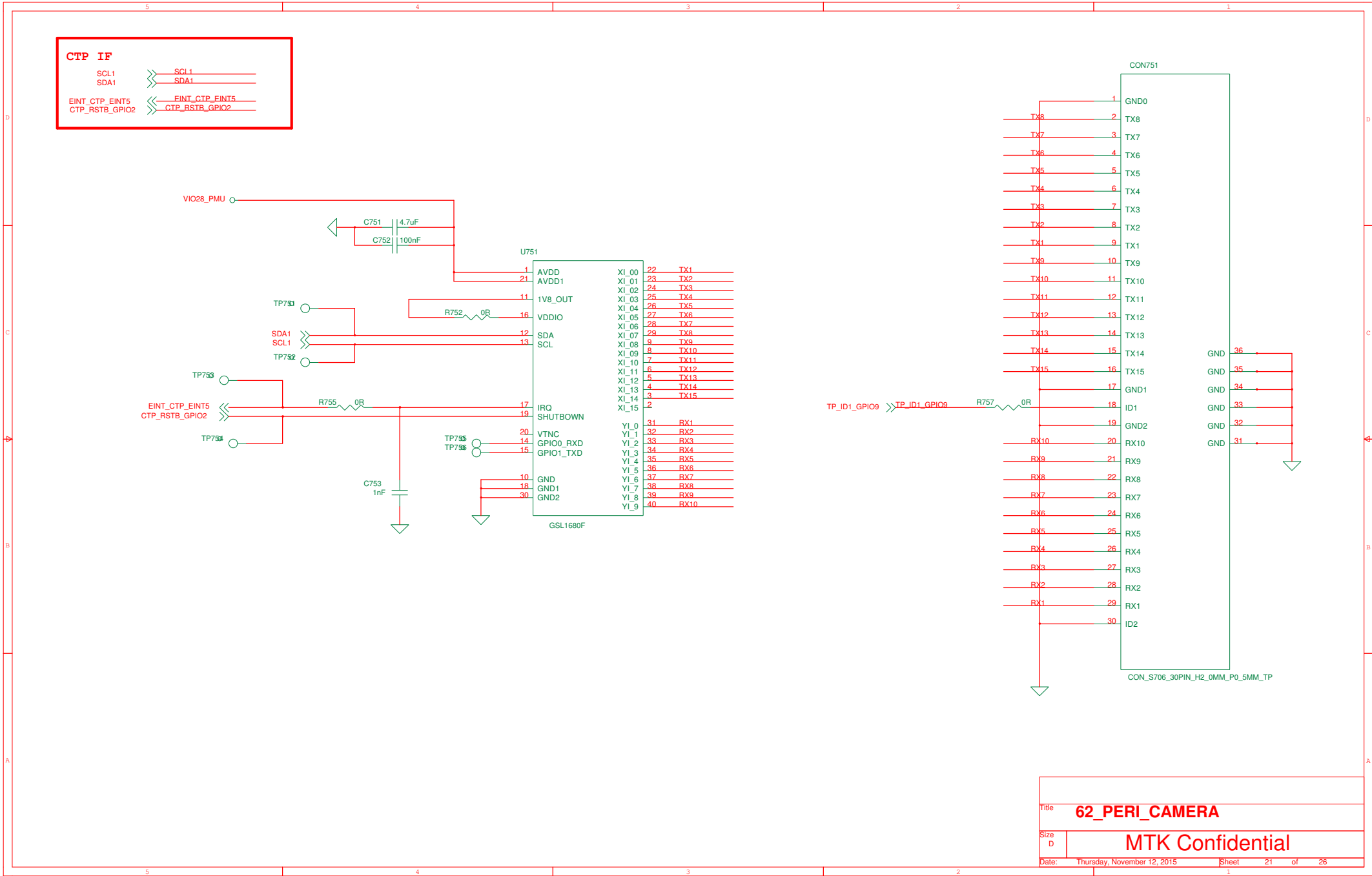
VOU max. : 38V
Switch Frequency : 5KHz~100KHz
VFB : 200mV

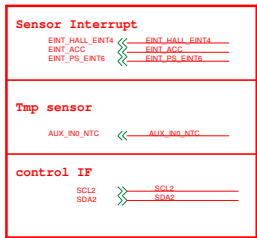


61_PERI_LCD_CTP

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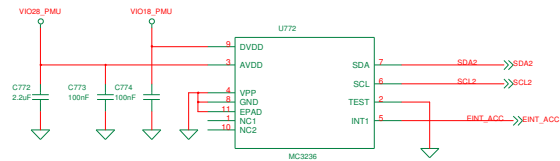
Date: Thursday, November 12, 2015 15:01:28





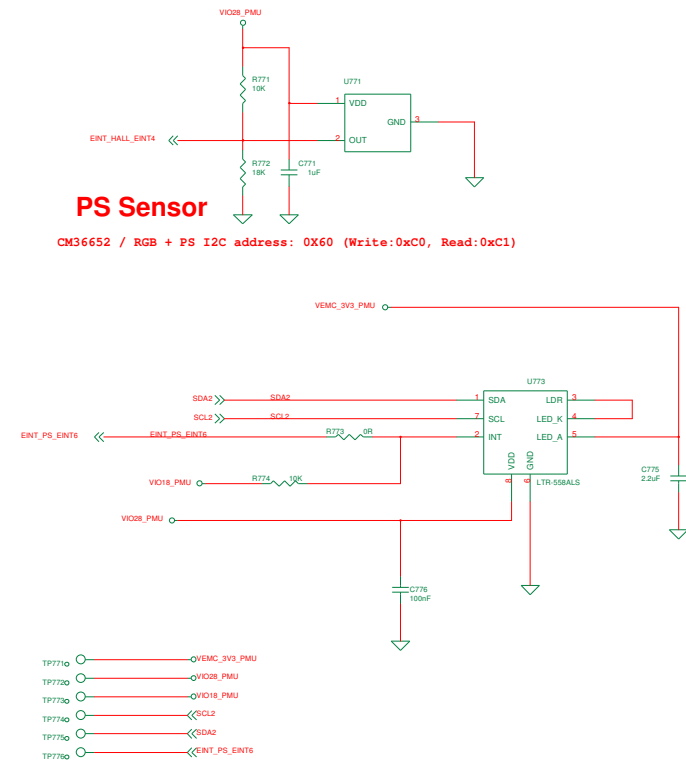
Accelerometer

MC3233 / Accelerometer I2C address: 0x4C (Write:0x98, Read:0x99)

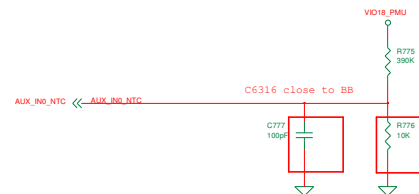


PS Sensor

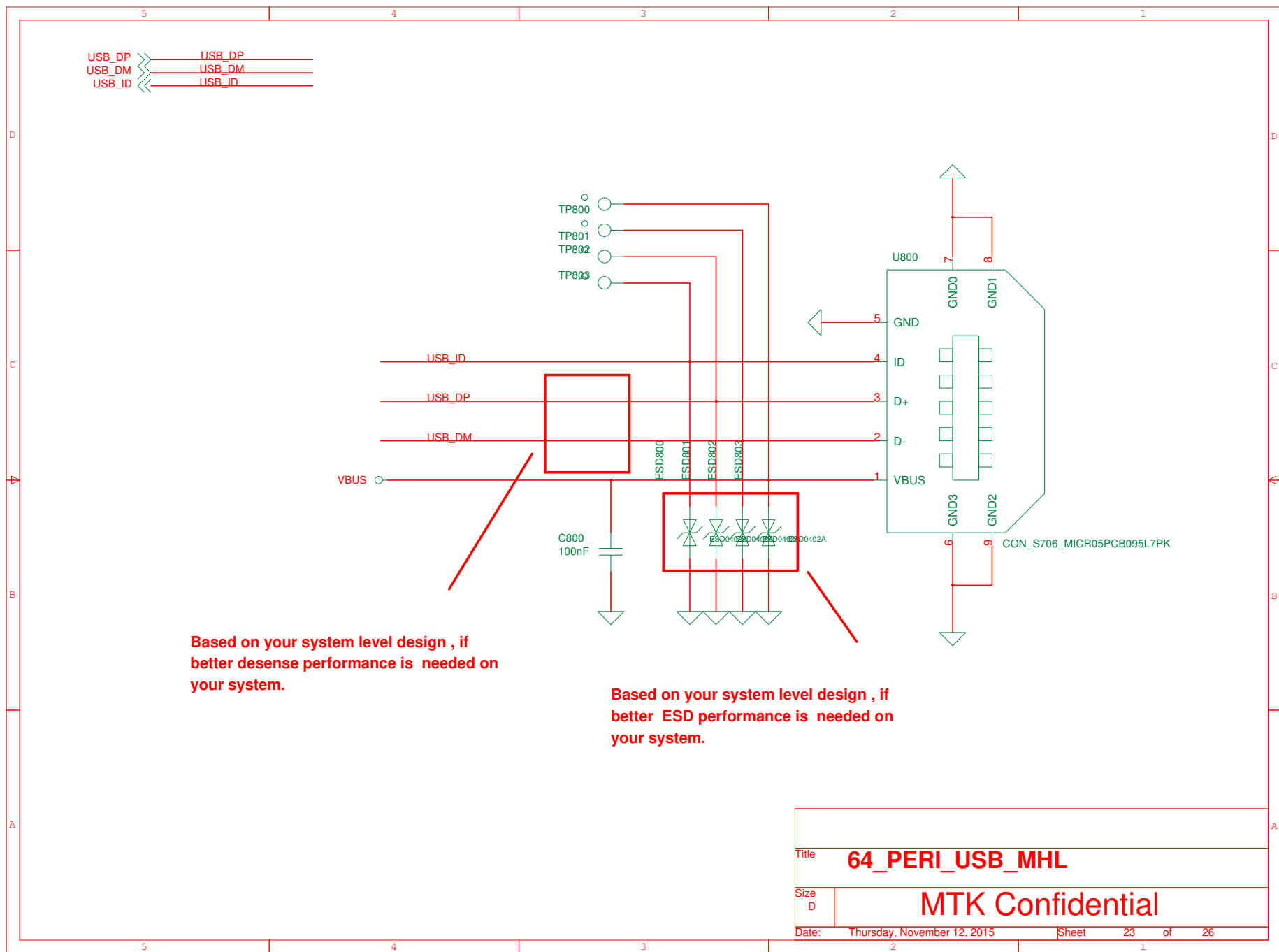
CM36652 / RGB + PS I2C address: 0X60 (Write:0xC0, Read:0xC1)

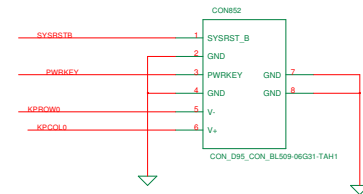


Thermistor / To sense board level temperature



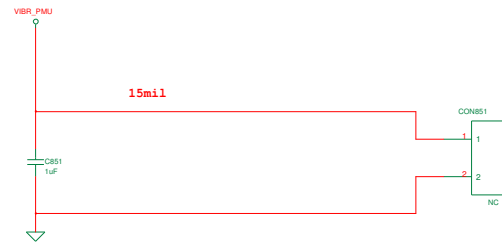
NTC6301 close to BB ,and located in the same layer
(can refer to thermal design notice)





put pull-up resistor on PWRKEY

VIBRATOR



File 66_PERI_VIBRATOR

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