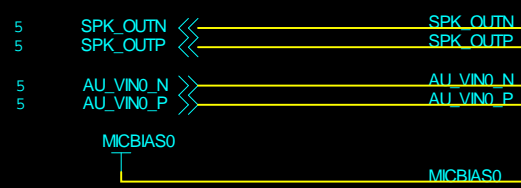
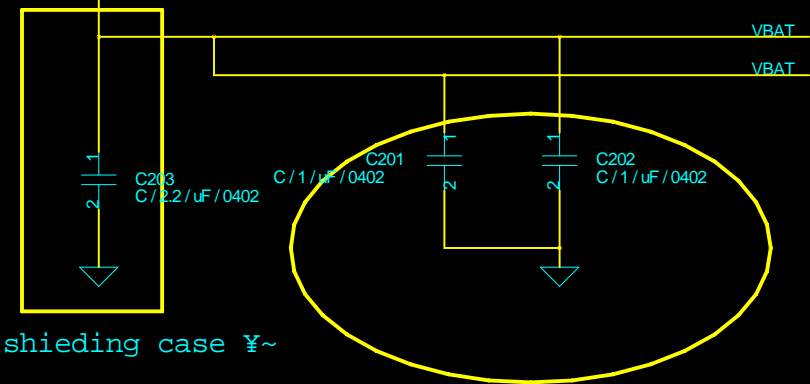




Audio



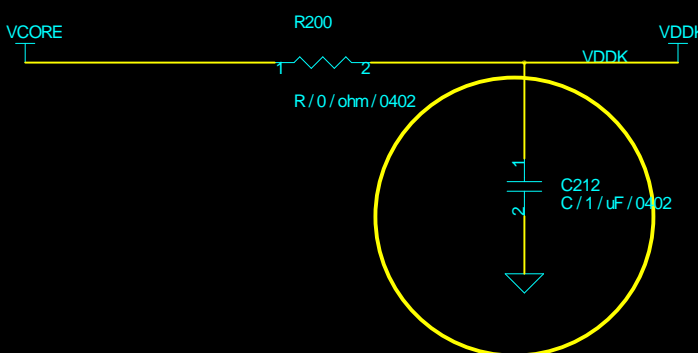
VBAT IN



close to MT2502 each power in ball (M10,E1)

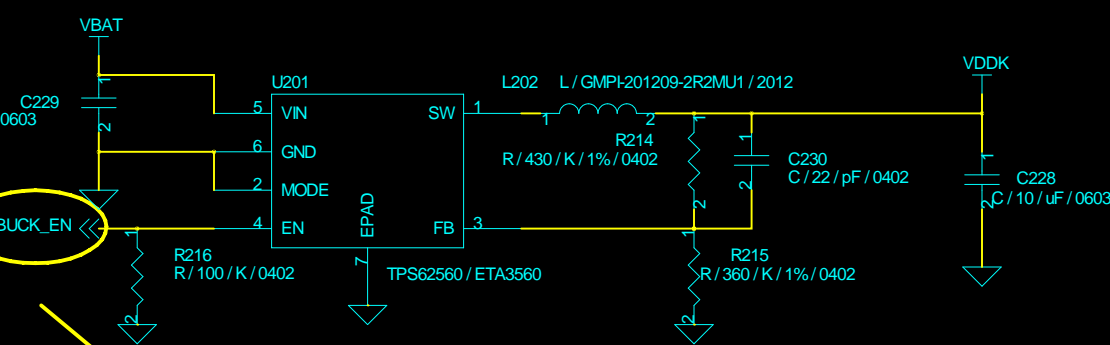
POWER IN

With or without use of the external buckf-  
R200 must SMT



close to MT2502 VDDK Pin (A11)

DC-DC Backup



BUCK\_EN cotrolled by gpio, can't use Vcore

Material Determination of single BUCKEN		Notes:
PART NUMBER:	PACKAGE:	
ETA3406		
ETA3415		

RTC\_XOSC32\_ENB

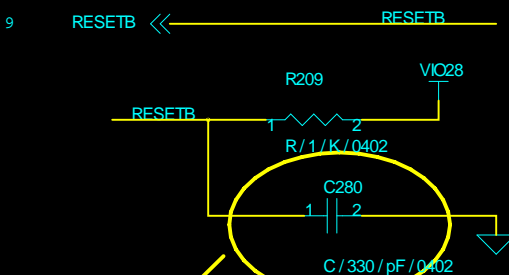


XPAL\_SEL: VRTC domain  
1: f32k\_ek src INT clock source  
0: f32k\_ek src EXT clock source

LCD IF:

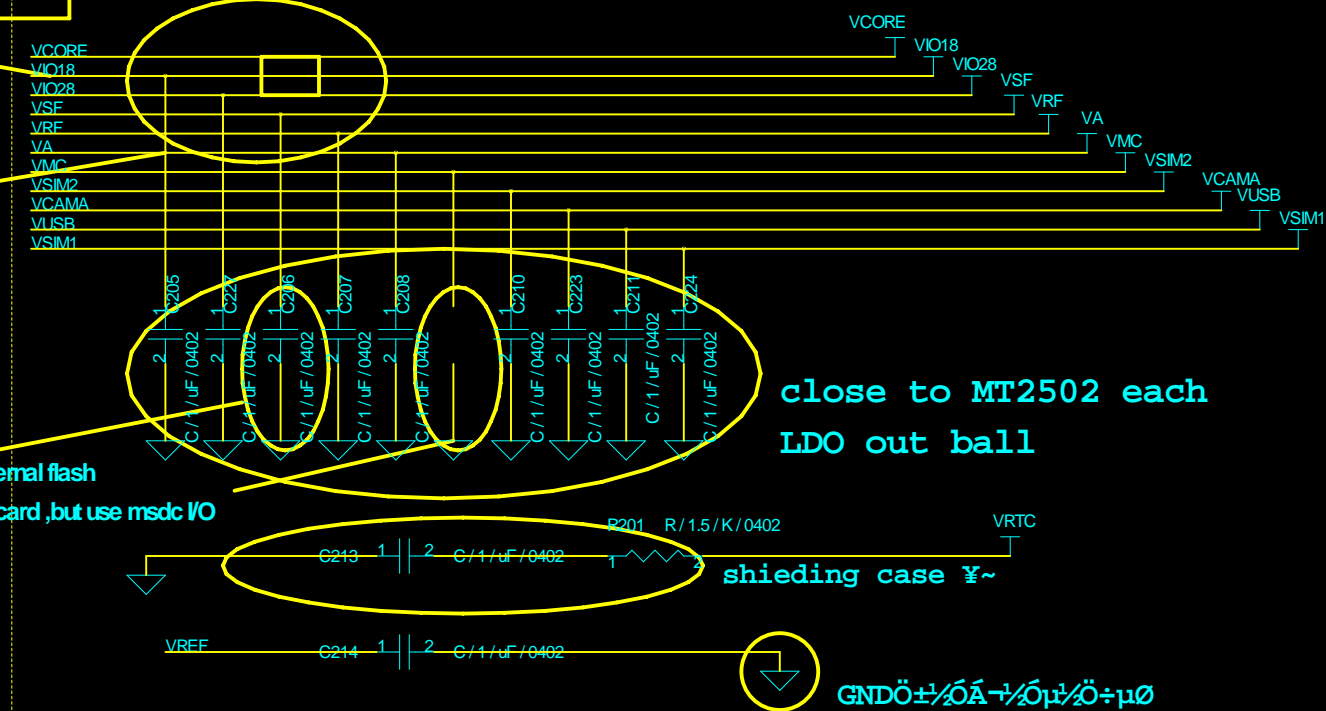


SYSTEM CONTROL



This CAP(330pF) are optional for better ESD performance  
This Cap should be placed near BB

PMU LDO



This R is optional for better FM de-sense performance

mount the capacitor with 1uF when no external flash  
mount the capacitor with 1uF when no sd card ,but use mskc IO

close to MT2502 each LDO out ball

shilding case Y-

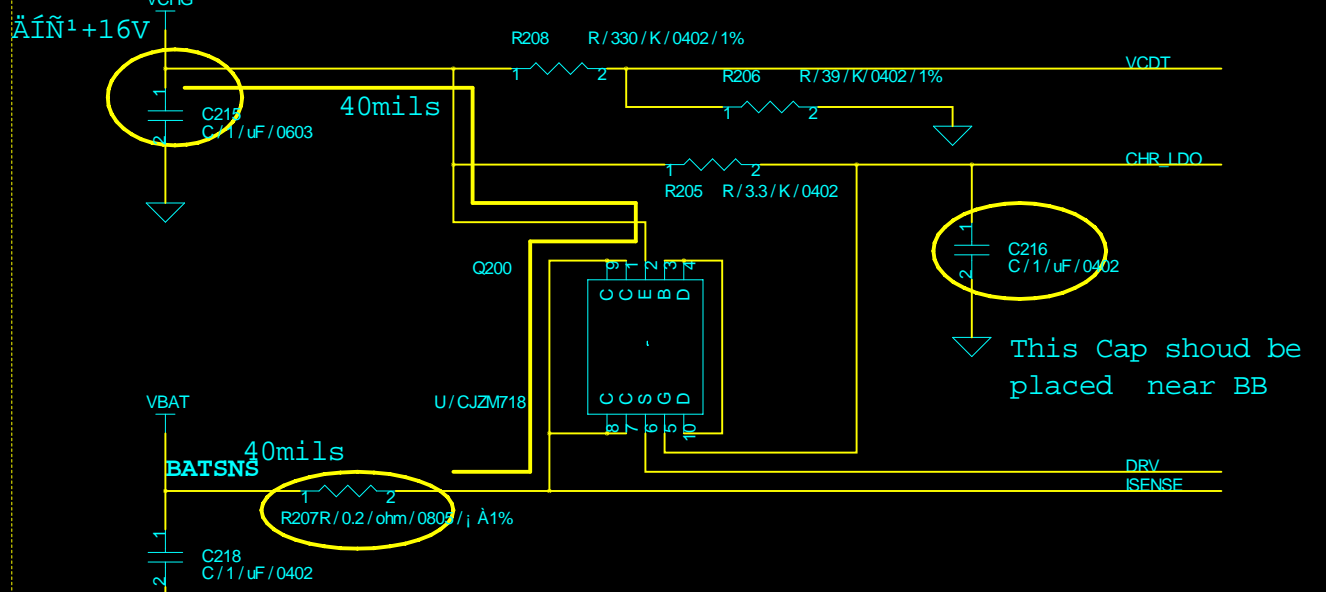
C214 close to MT2502

LDO out ball

Vibrator

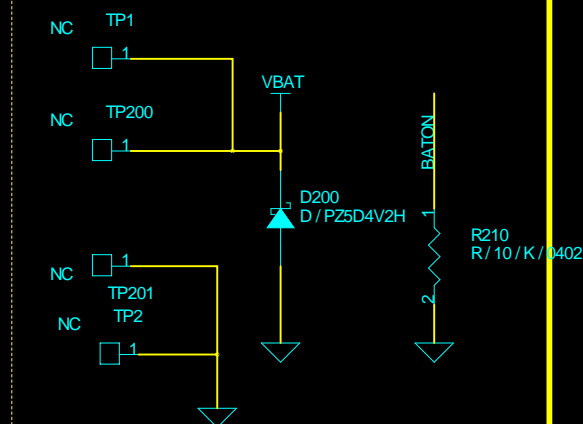


Charge



Place this resistor close to battery connector, and SNS trace should be 4mil~6mil, and others are 40mils

Battery connector

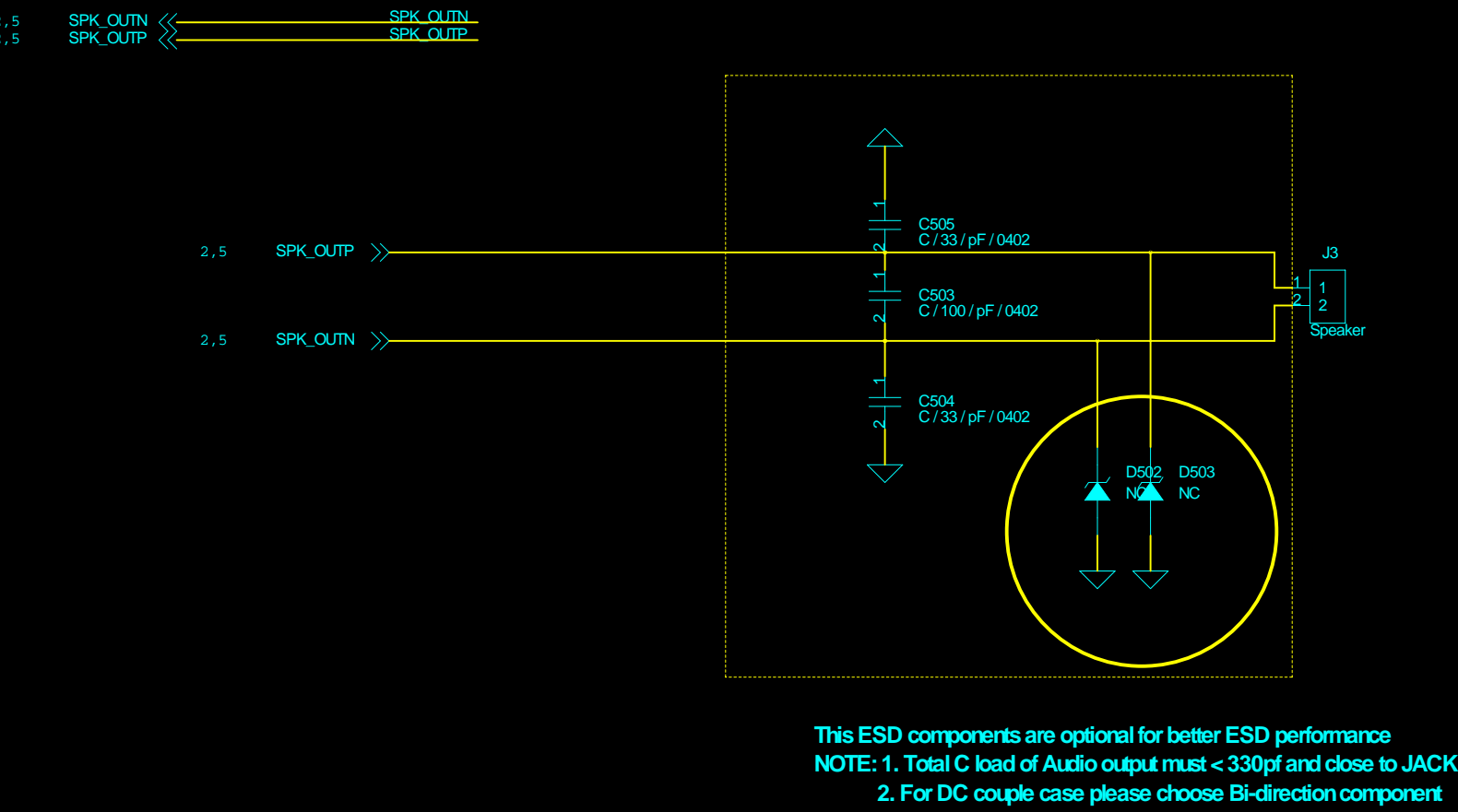


If need the function of temperature detect, can refer to the following design

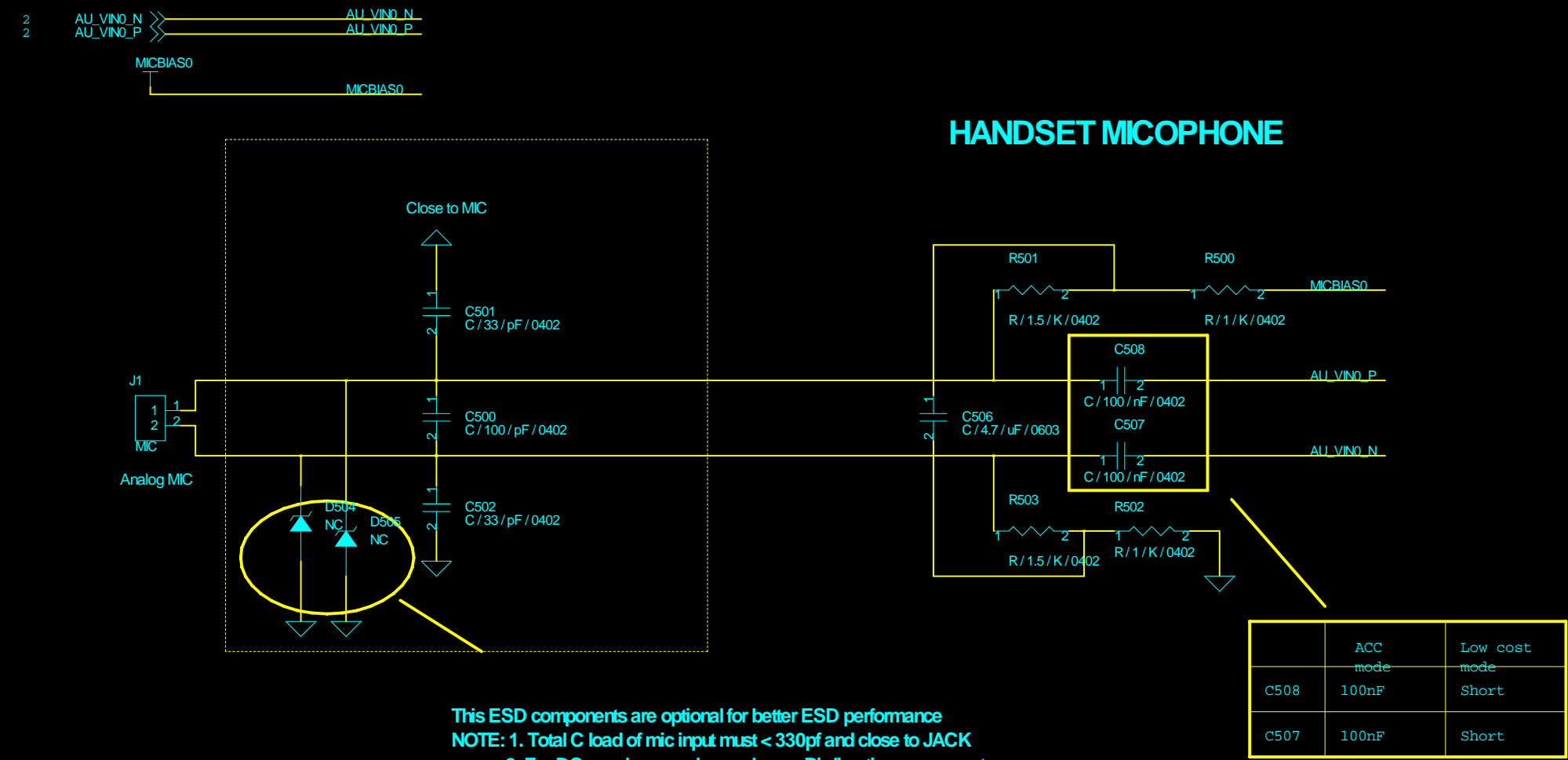




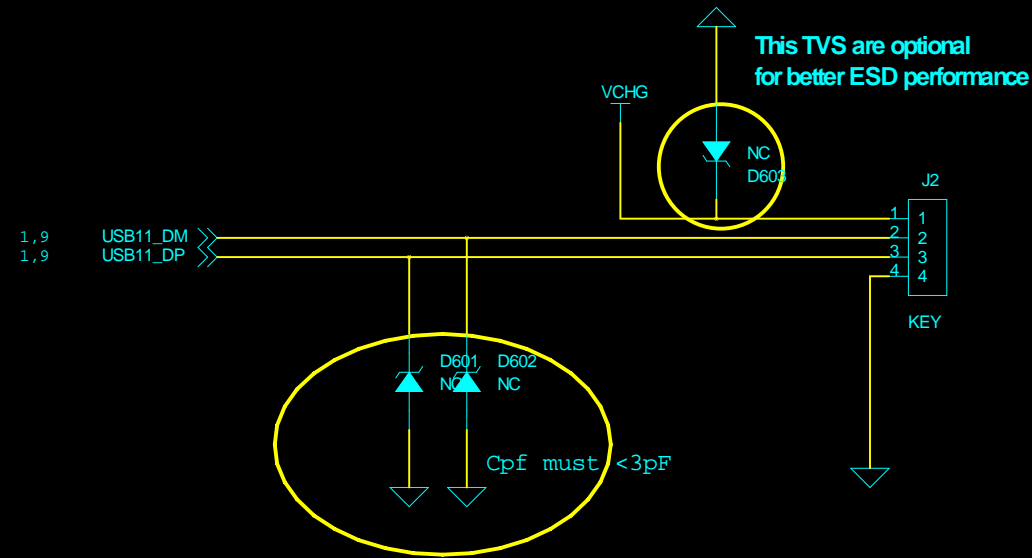
Speaker



MIC

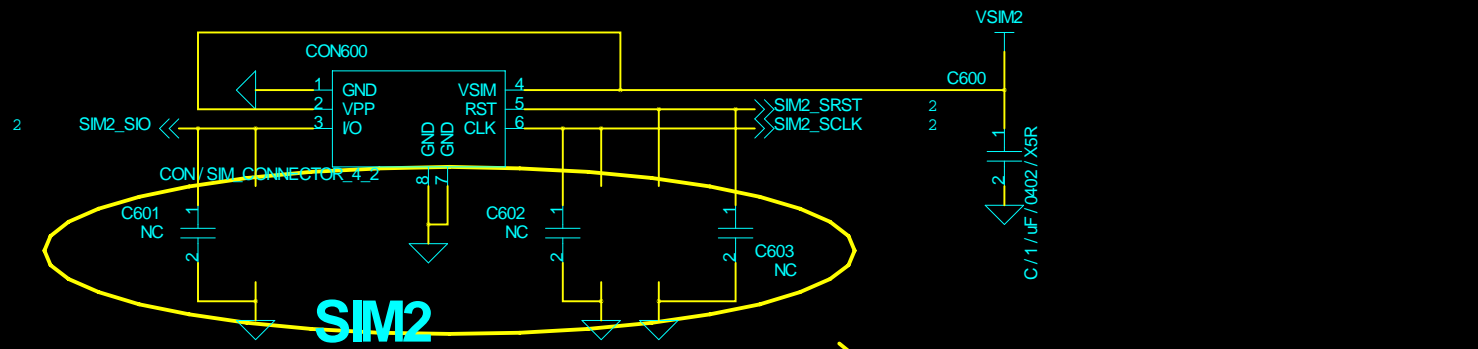


USB



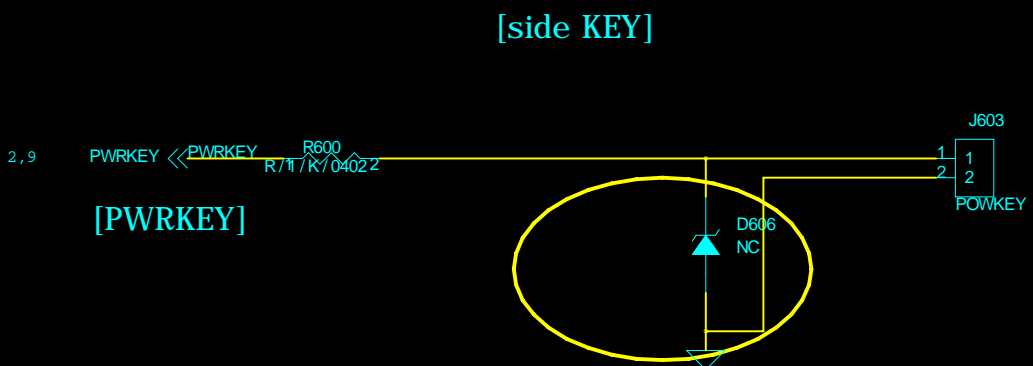
This ESD components are optional for better ESD performance  
NOTE: 1. C load must < 3pF and close to JACK

SIM

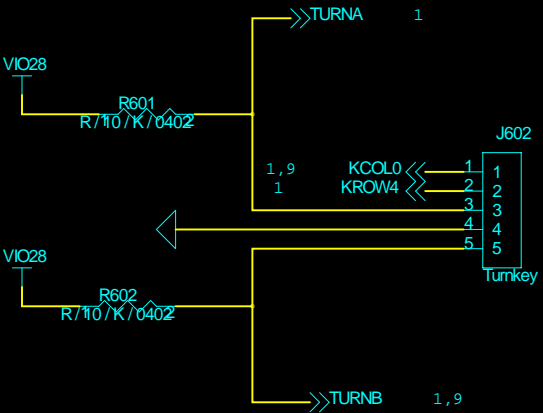


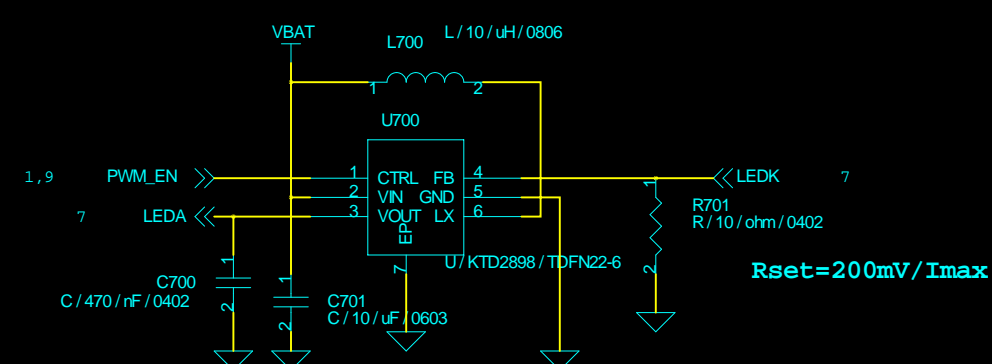
This Caps are optional for better RF de-sense performance C load on trace <45pF)

KEY

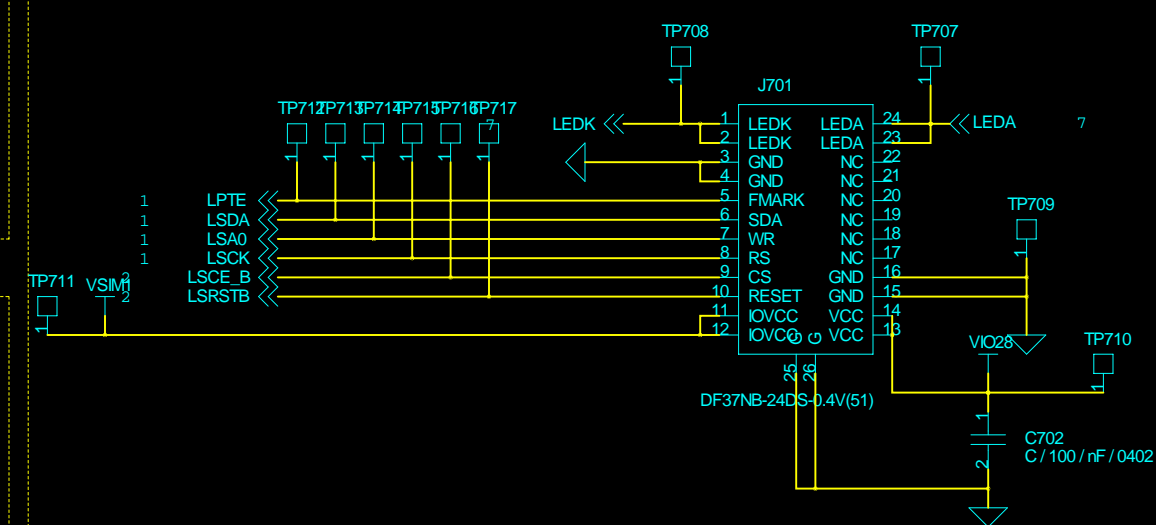


This TVS are optional for better ESD performance

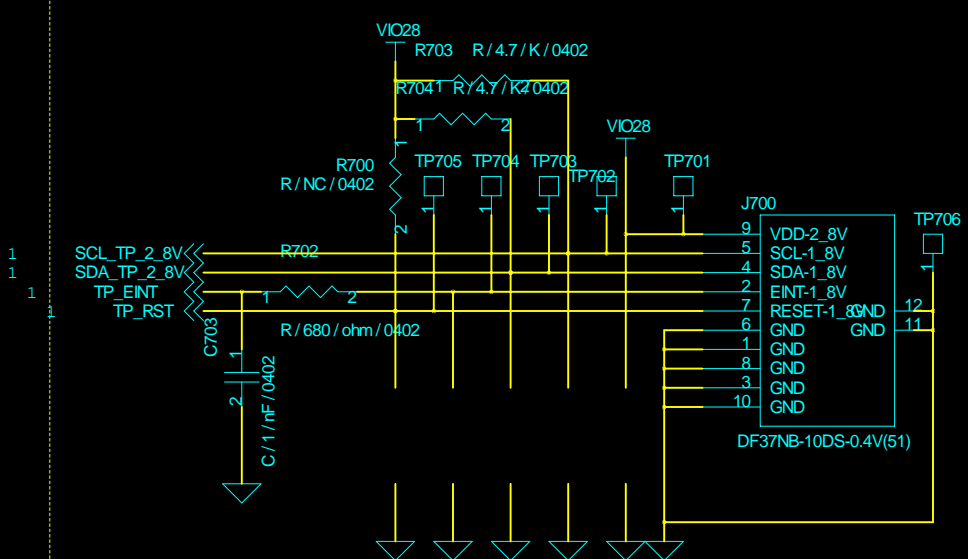


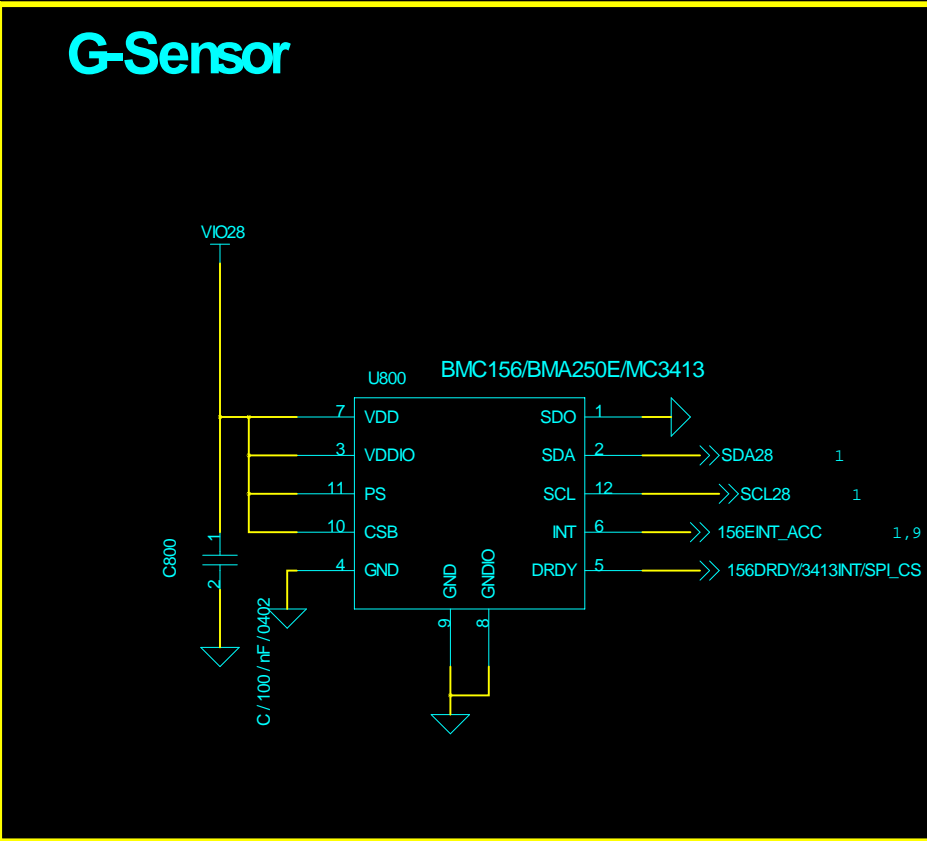


## LCM



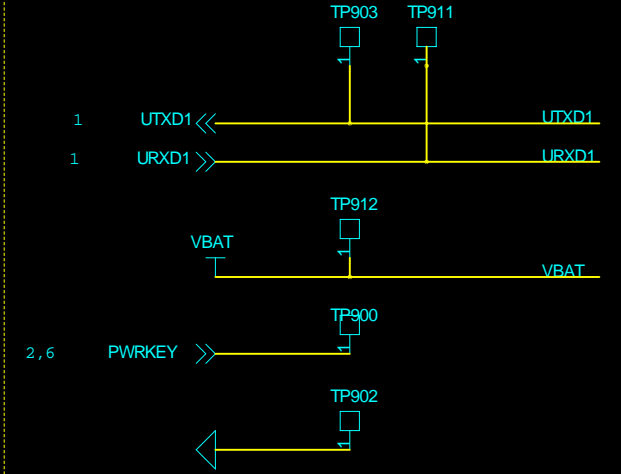
## CTP Connector



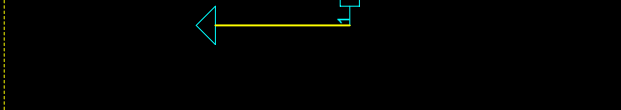
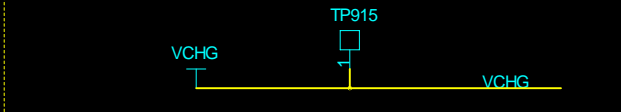
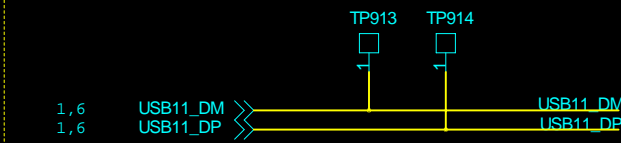




Test Point

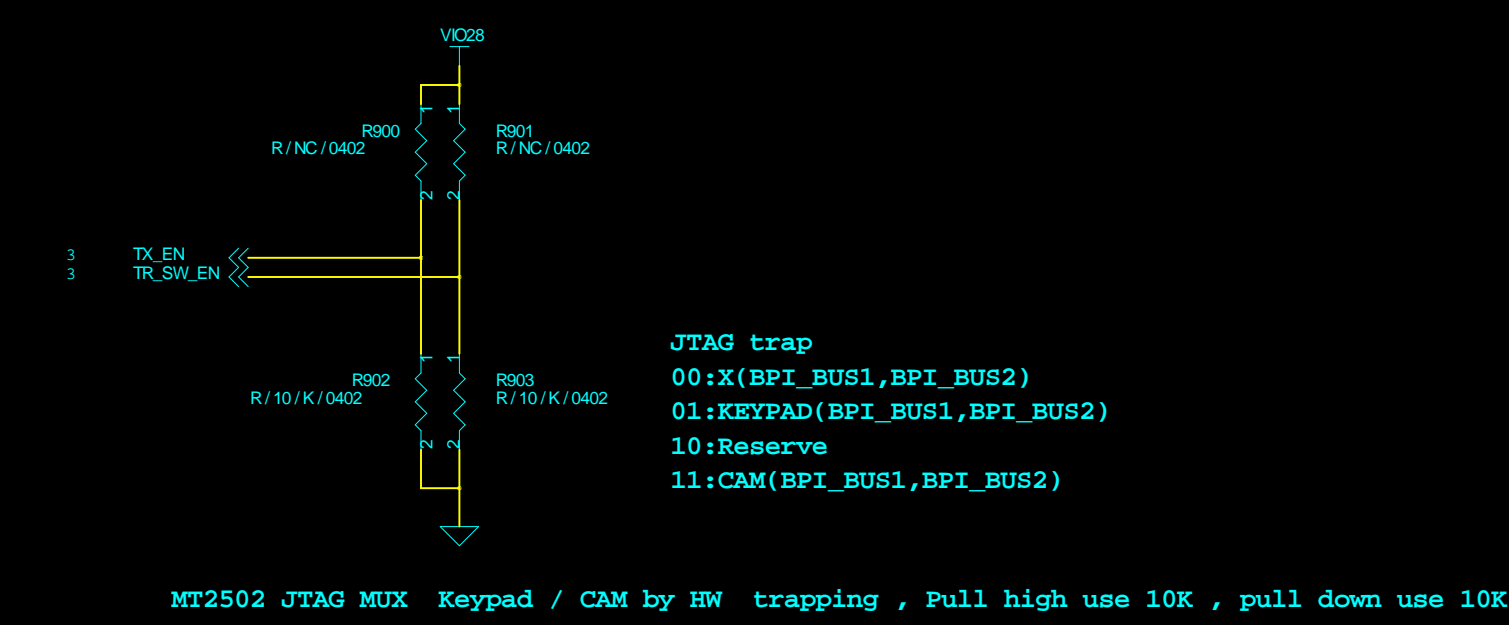


Must reserve uart ,vbat,gnd test point for debug

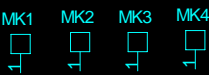
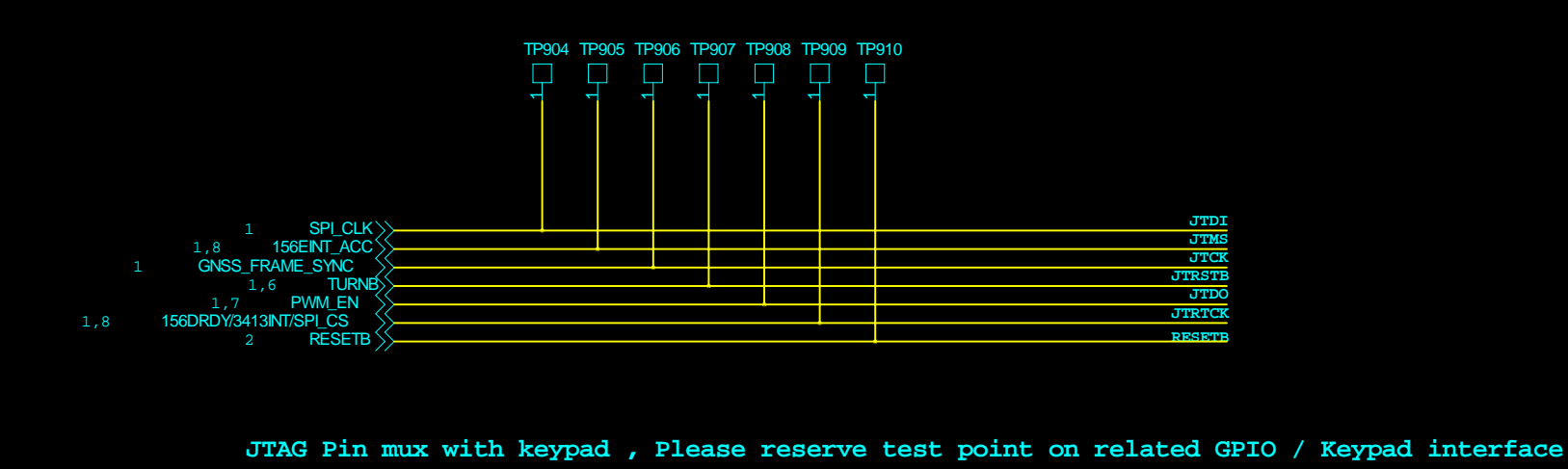


Must reserver usb ,vchg ,gnd ,kcol0 test point for download and debug

MCU JTAG Trapping



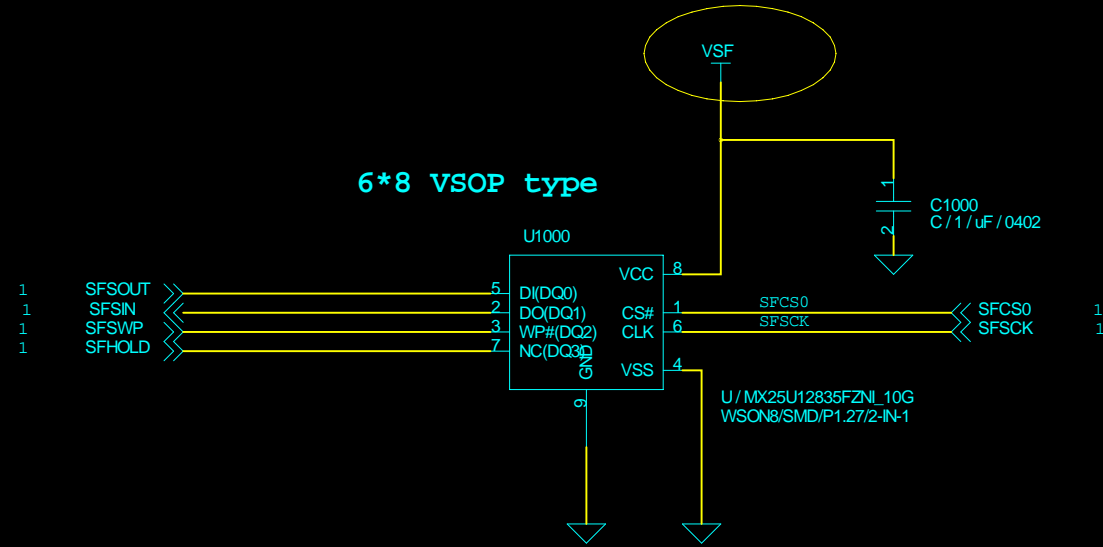
JTAG Test Point



Serial Flash

Shieding case all sheet

MXIC MX25U12835FZNI-10G,  
1.8V,128Mb,WSON 6\*8:



SHOLD : SIO3  
SWP : SIO2  
SOUT : SQI\_SI : DQ0  
SIN : SQI\_SO : DQ1 Option only for MT2502A