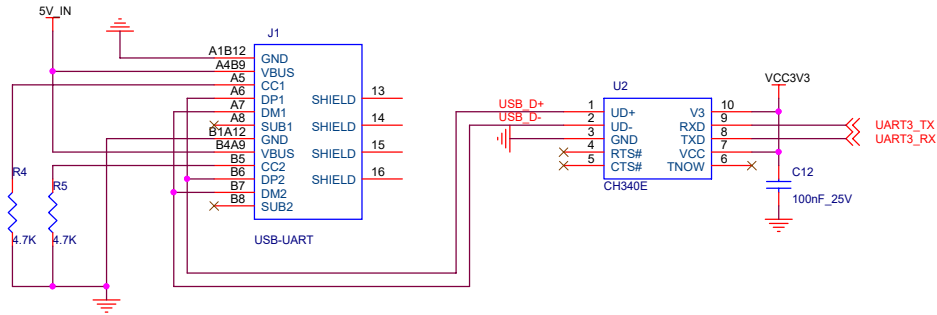
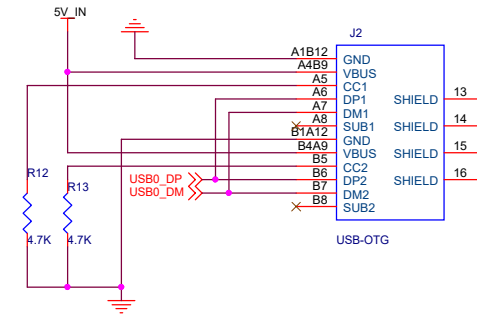


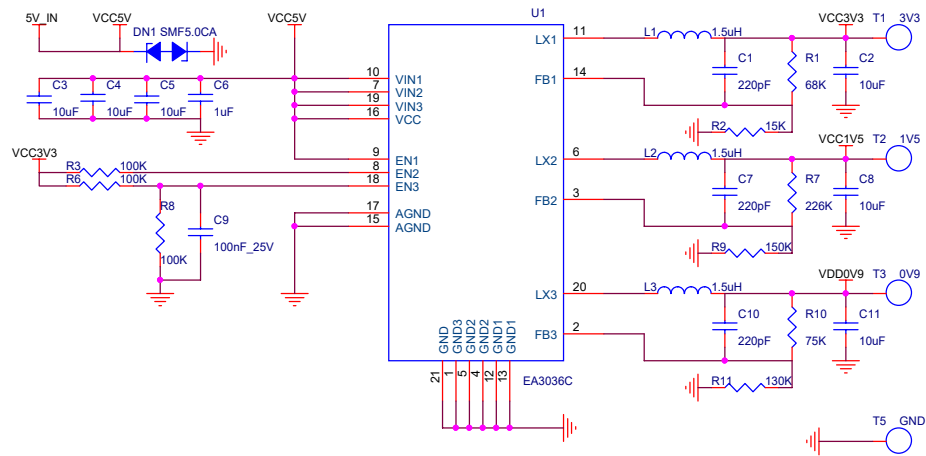
## POWER IN(5V) USB TO UART3(Debug)



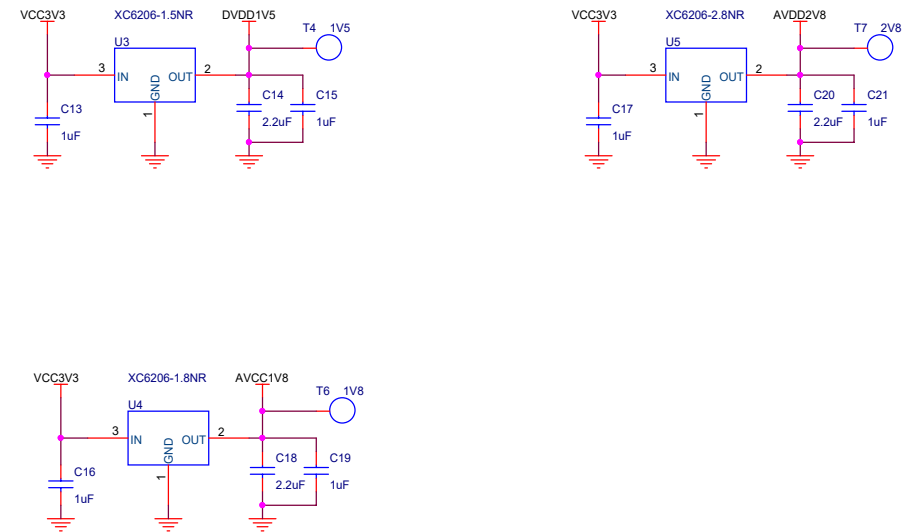
## USB OTG



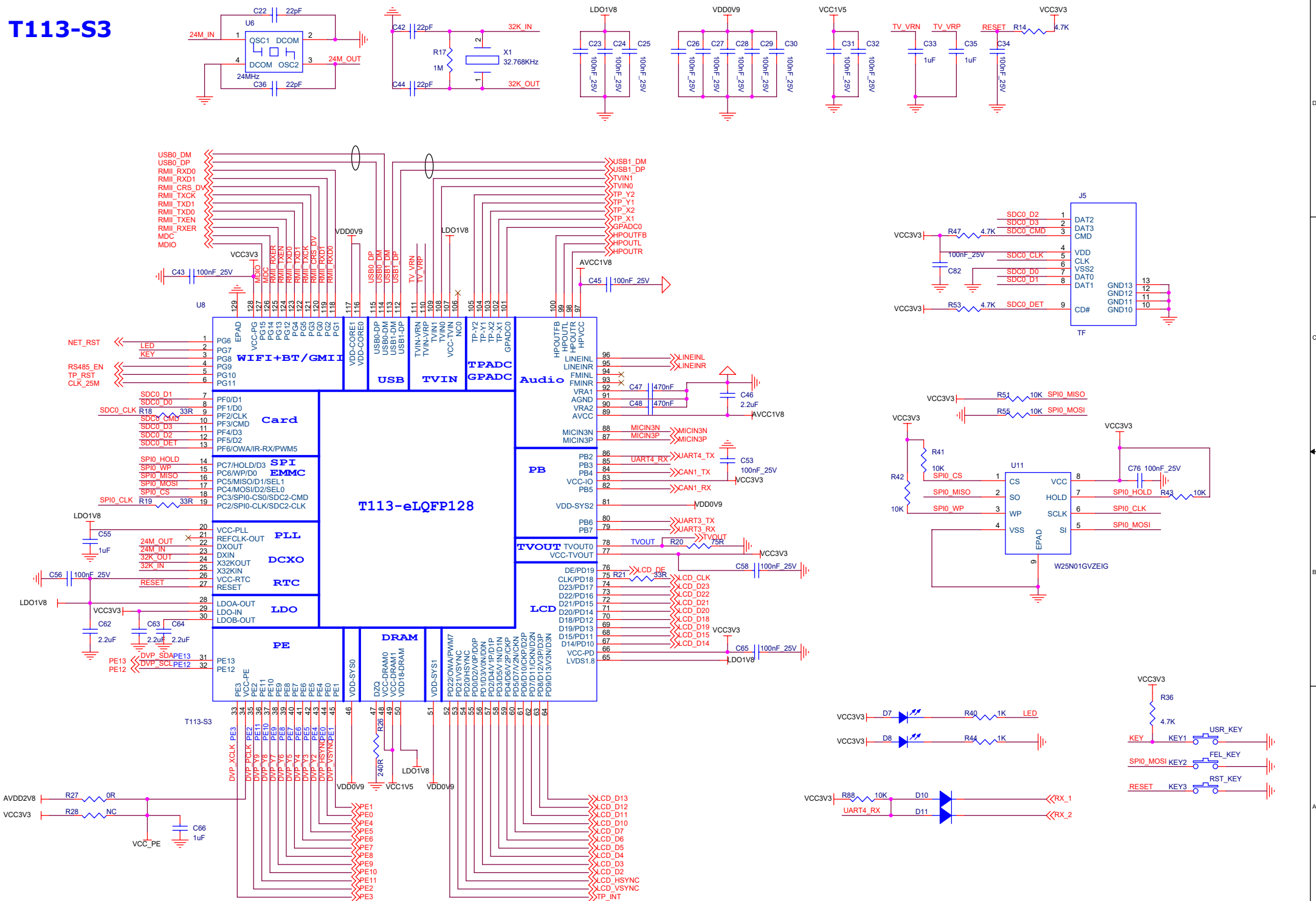
## SYSTEM POWER



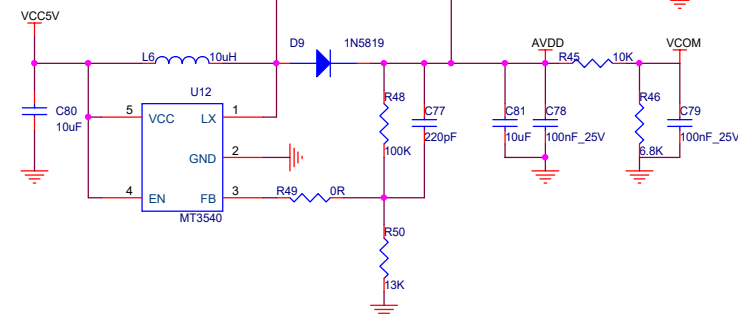
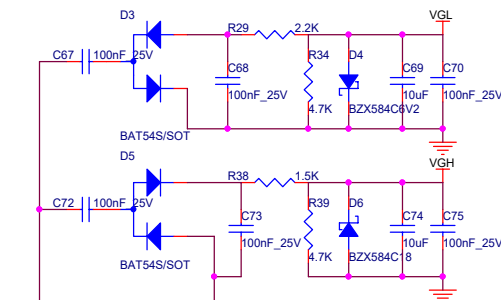
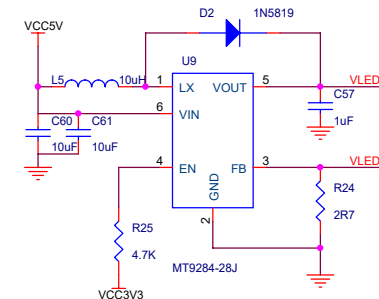
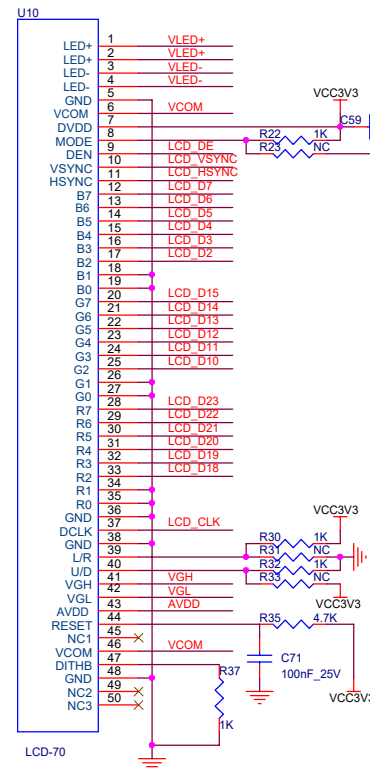
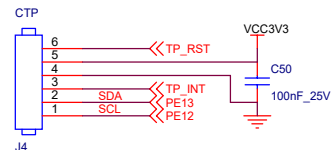
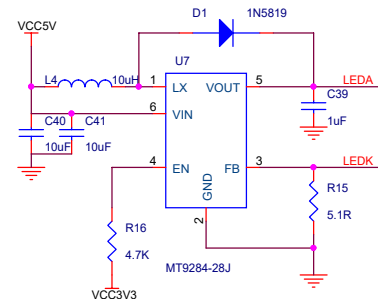
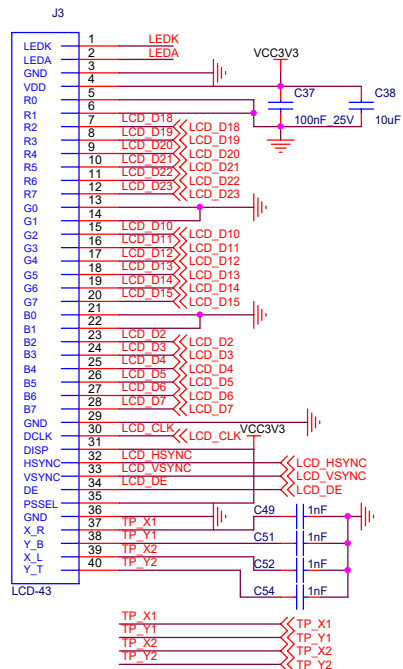
## 3.3V TO 1.5V/2.8V/1.8V



# T113-S3



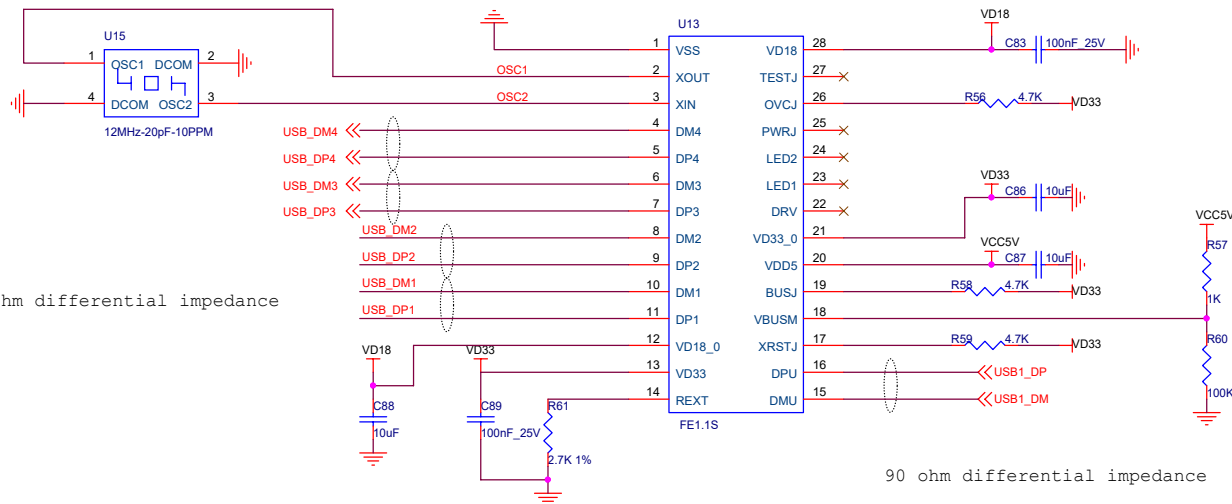
## LCD(40PIN/50PIN)



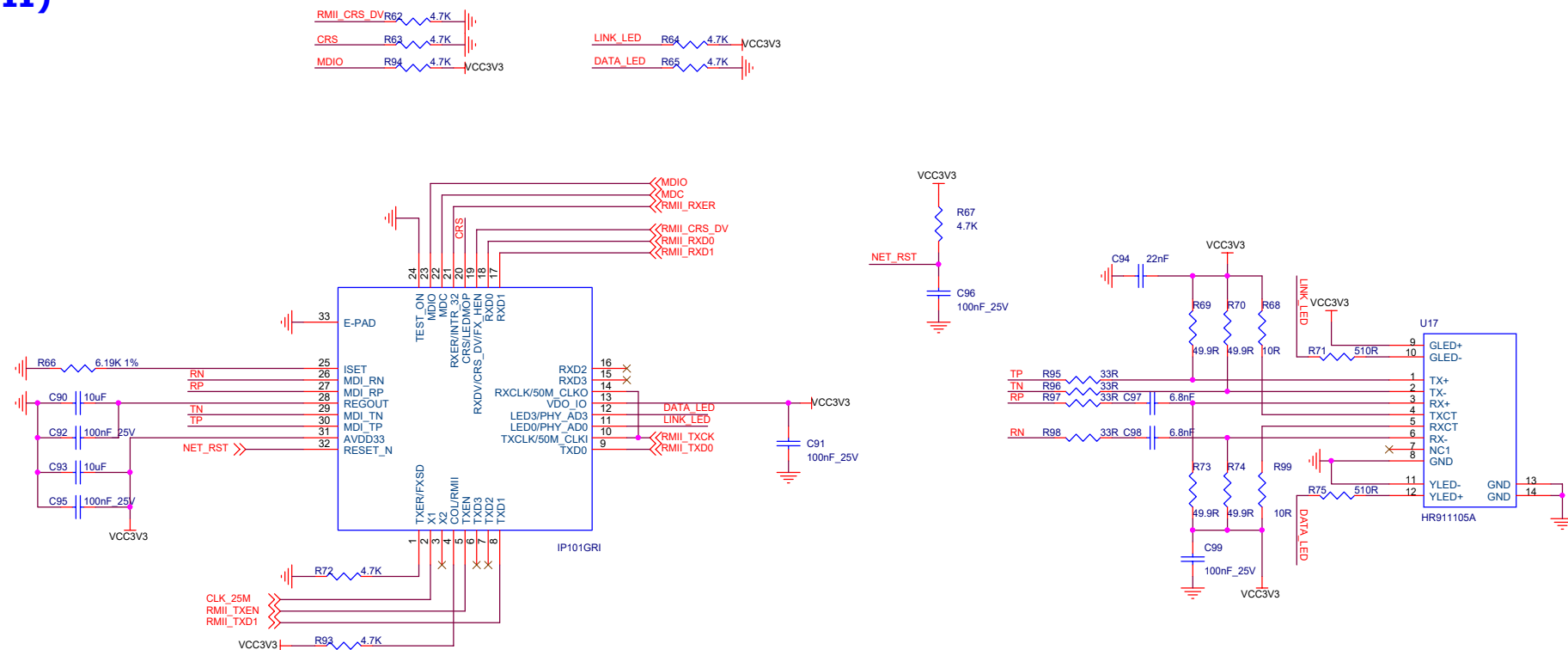
## USB HOST

90 ohm differential impedance

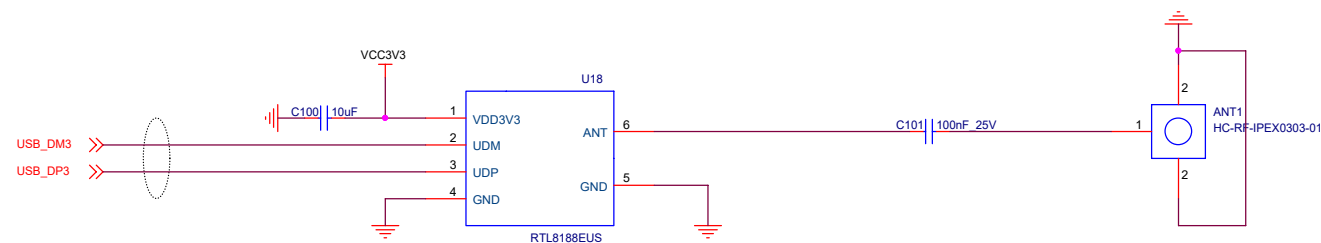
90 ohm differential impedance



## ETH0 (RMII)



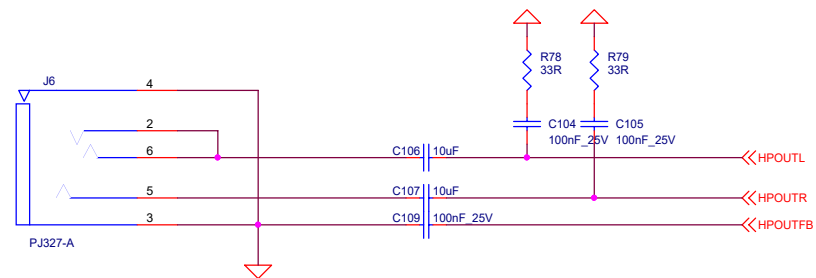
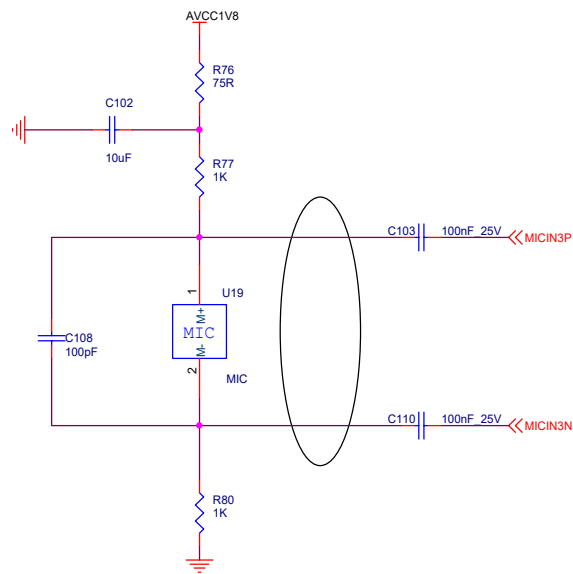
## USB WIFI



90 ohm differential impedance

# AUDIO

The schematic diagram illustrates the audio section of a circuit. It features a microphone input stage with a microphone (MIC) connected to a differential amplifier (U19). The input is biased from AVCC1V8 through resistors R76 (75R) and R77 (1K), with a bypass capacitor C102 (10uF). The output of the amplifier is connected to a differential output stage with resistors R78 (33R) and R79 (33R), and capacitors C104 (100nF\_25V) and C105 (100nF\_25V). The output is connected to a speaker or headphones (HP) through a common-mode choke (C106, 10uF). The input and output are also connected to ground through capacitors C108 (100pF) and C109 (100nF\_25V). The output is also connected to ground through capacitors C103 (100nF\_25V) and C110 (100nF\_25V). The output is also connected to ground through capacitors C107 (10uF) and C108 (100pF).



# CONN

PE0 PE1 PE2 PE3 PE4 PE5 PE6 PE7 PE8 PE9 PE10 PE11 PE12 PE13

GPADC0 TVOUT LINEINL LINEINR TVIN0 TVIN1 USB\_DP4 USB\_DM4

VCC3V3 VCC5V

HEADER 20X2

# DVP(OV5640)

OV5640 AVDD:2.8V DVDD:1.2V IO:1.8V/2.8V/3.3V

OV5640 AVDD:2.8V DVDD:1.5V IO:1.8V/2.8V

OV7725 AVDD:3.3V DVDD:1.8V IO:2.8V/3.3V

# CONN

PE0 PE1 PE2 PE3 PE4 PE5 PE6 PE7 PE8 PE9 PE10 PE11 PE12 PE13

GPADC0 TVOUT LINEINL LINEINR TVIN0 TVIN1 USB\_DP4 USB\_DM4

VCC3V3 VCC5V

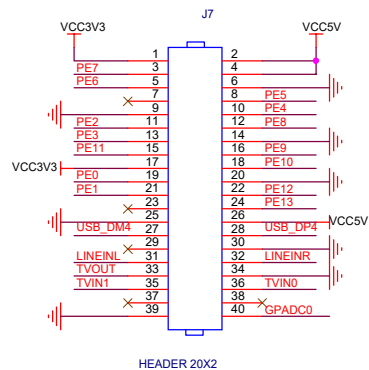
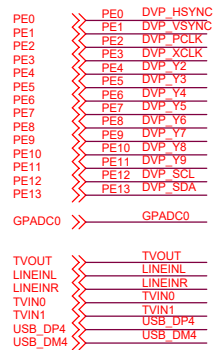
HEADER 20X2

# DVP(OV5640)

OV5640 AVDD:2.8V DVDD:1.2V IO:1.8V/2.8V/3.3V

OV5640 AVDD:2.8V DVDD:1.5V IO:1.8V/2.8V

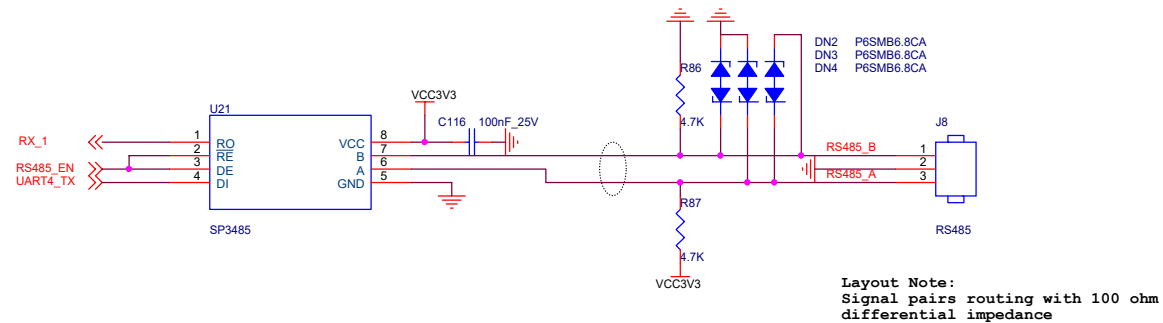
OV7725 AVDD:3.3V DVDD:1.8V IO:2.8V/3.3V



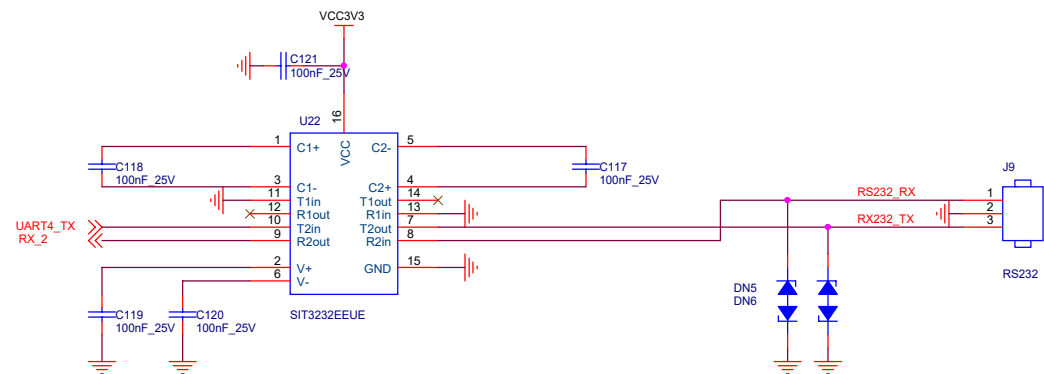
OV-DVP

OV2640 AVDD:2.8V DVDD:1.2V IO:1.8V/2.8V/3.3V  
**OV5640 AVDD:2.8V DVDD:1.5V IO:1.8V/2.8V**  
 OV7725 AVDD:3.3V DVDD:1.8V IO:2.8V/3.3V

## RS485



# RS232



**CAN**

