INGENIC

RD_T31_STORK_D

Schematic Revision 1.0

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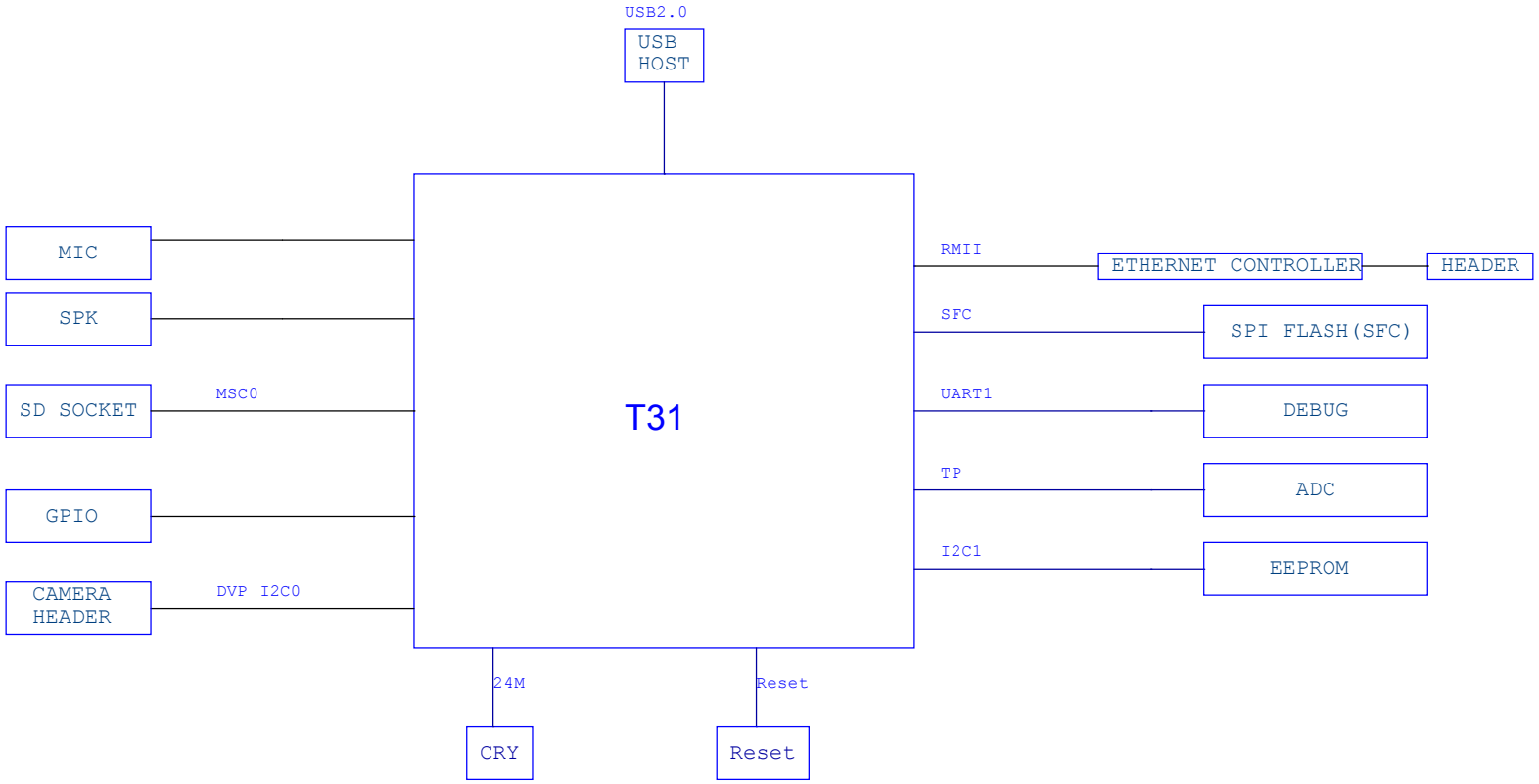

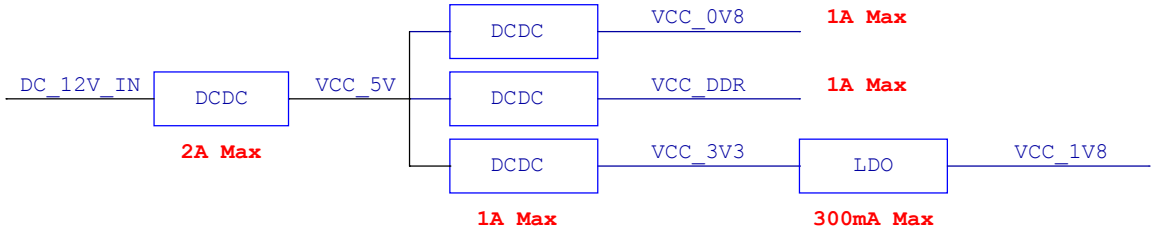

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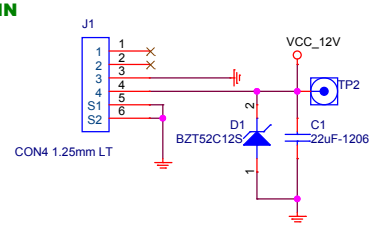
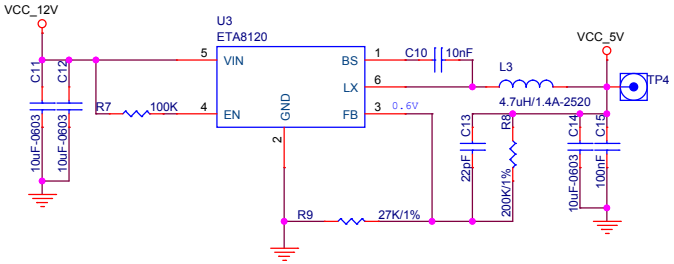
POWER SUPPLY

12V DC-IN



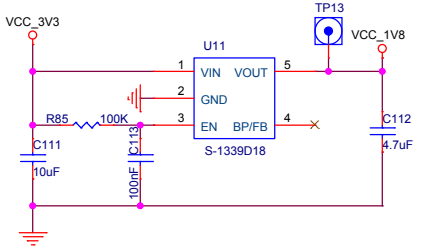
5V/2A



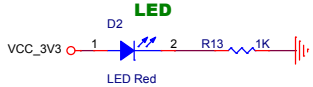
Note: Compatible with DIO6912

VOUT=(1+200K/27K)*0.6=5.0V

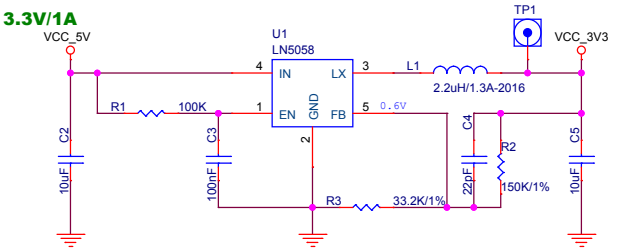
1.8V/300mA



LED



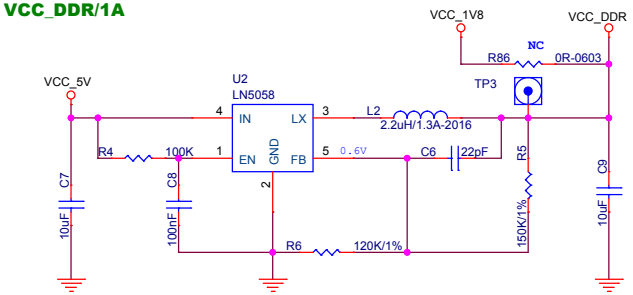
3.3V/1A



Note: Compatible with DIO6001/ETA3486

VOUT=(1+150K/33.2K)*0.6=3.3V

VCC_DDR/1A



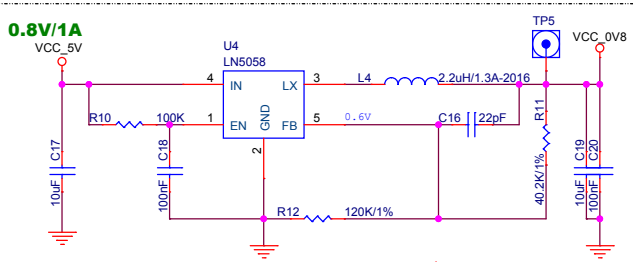
Note: Compatible with DIO6001/ETA3486

VCC_DDR=(1+200K/100K)*0.6=1.8V(R5=200K/1%)

VCC_DDR=(1+150K/100K)*0.6=1.5V(R5=150K/1%)

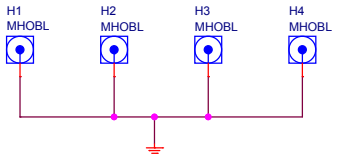
VCC_DDR=(1+150K/120K)*0.6=1.35V(R5=150K/1%)

0.8V/1A



Note: Compatible with DIO6001/ETA3486

VOUT=(1+40.2K/120K)*0.6=0.8V



Mechanical Hole

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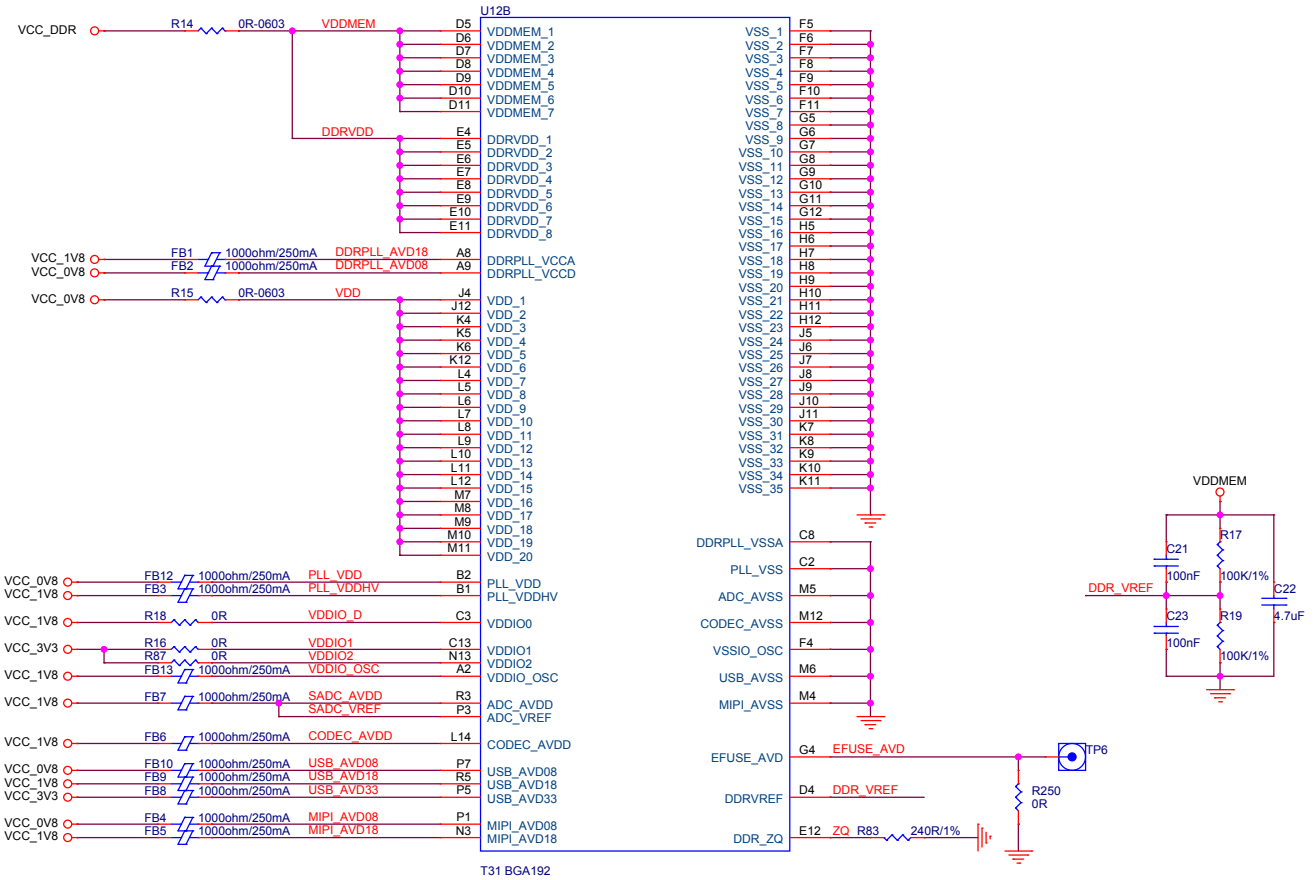
T31-POWER



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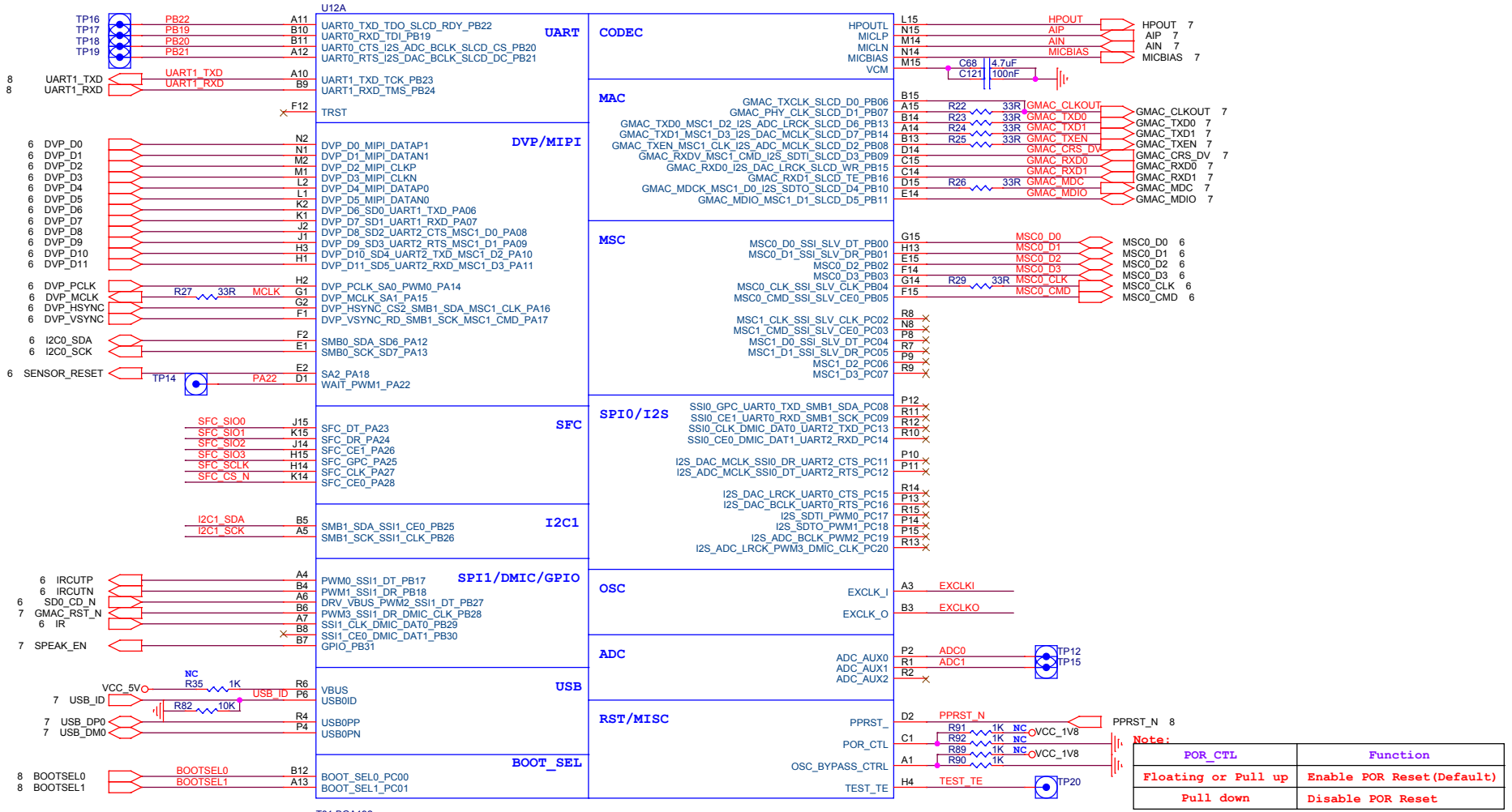
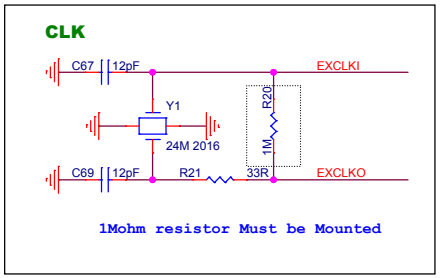
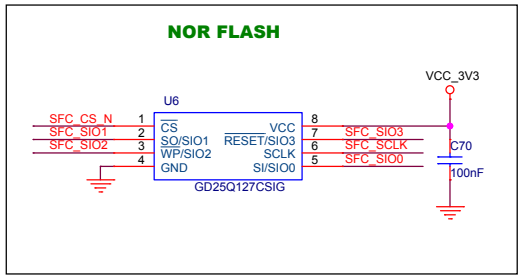
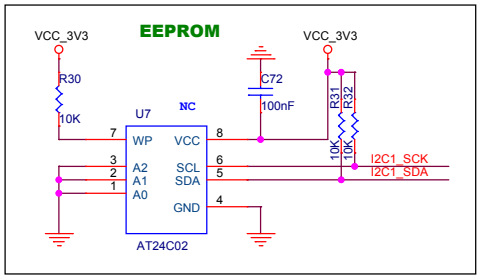
T31_IO/NOR FLASH/EEPROM



POR_CTL	Function
Floating or Pull up	Enable POR Reset(Default)
Pull down	Disable POR Reset







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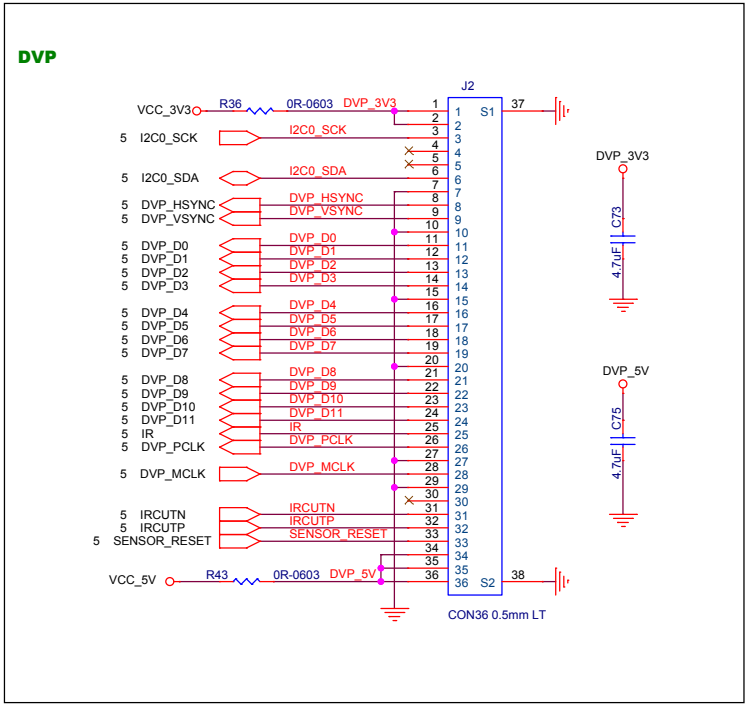
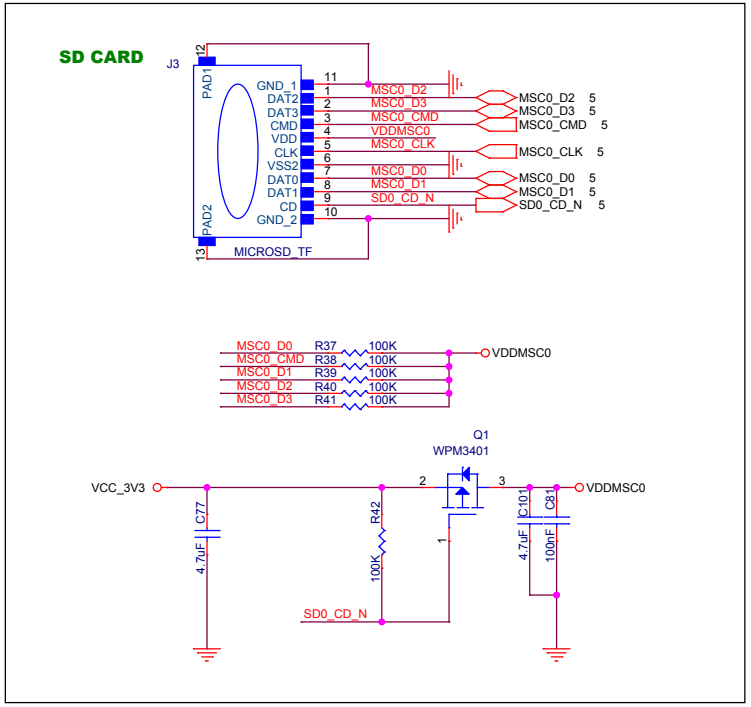
DVP_CONNECTOR/SD_CARD





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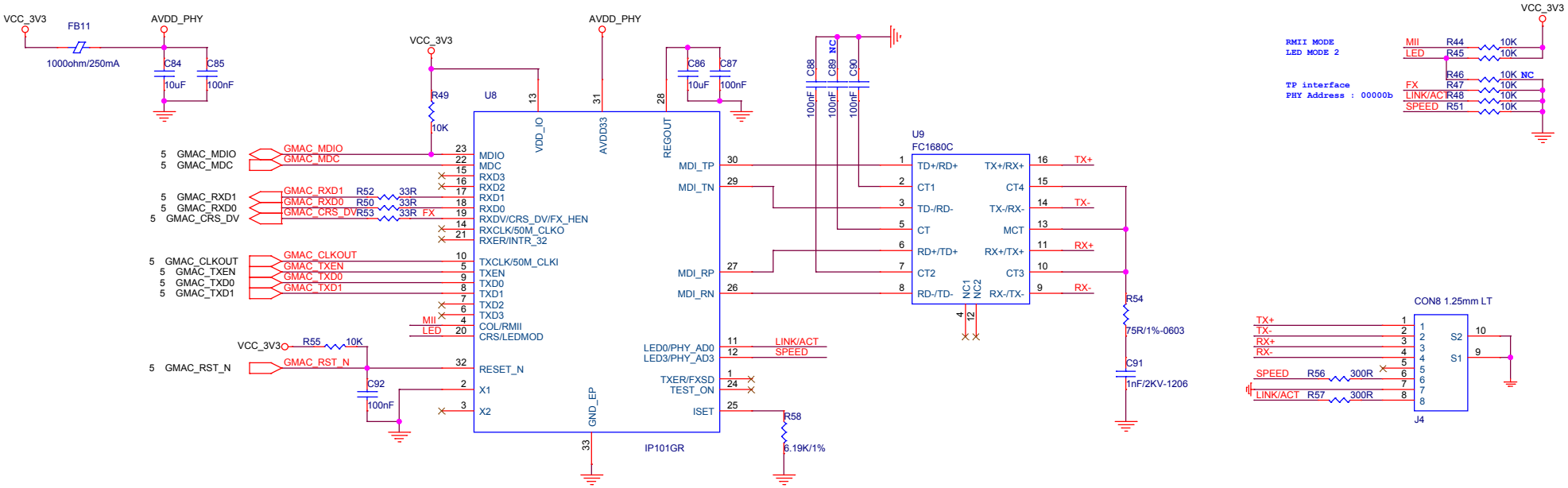
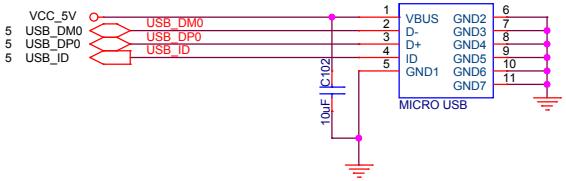
ETH_RMII/USB/AUDIO

ETH_RMII

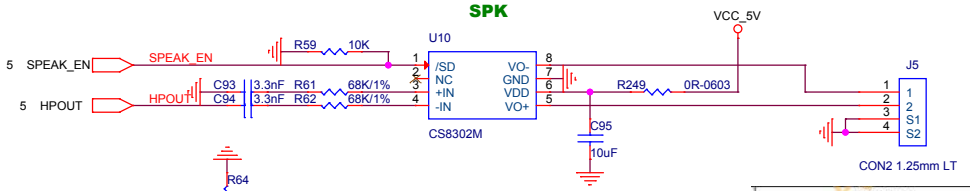


USB2.0_HOST

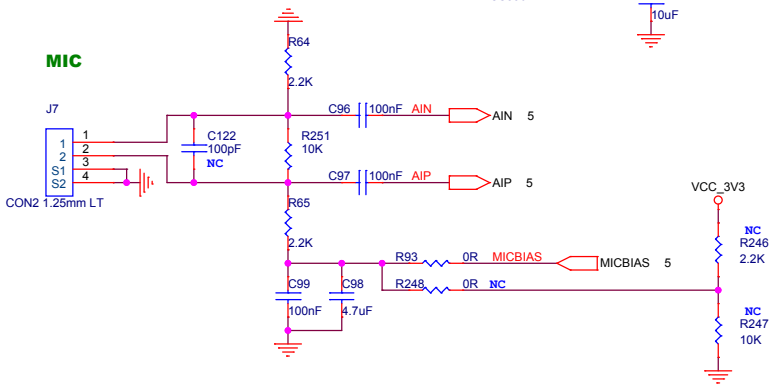


AUDIO

SPK



MIC



测试条件	最小	典型	最大	单位
VDD=5.0V,THD=10%,f=1KHz,RL=4Ω		2.90		W
VDD=5.0V,THD=1%, f=1KHz,RL=4Ω		2.50		
VDD=5.0V,THD=10%,f=1KHz,RL=8Ω		1.66		
VDD=5.0V,THD=1%, f=1KHz,RL=8Ω		1.36		

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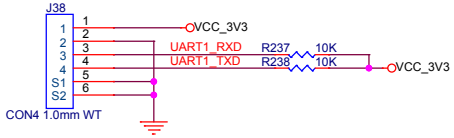
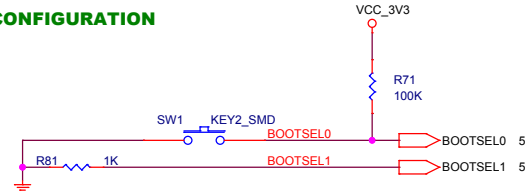
RST/BOOT/DEBUG

DEBUG

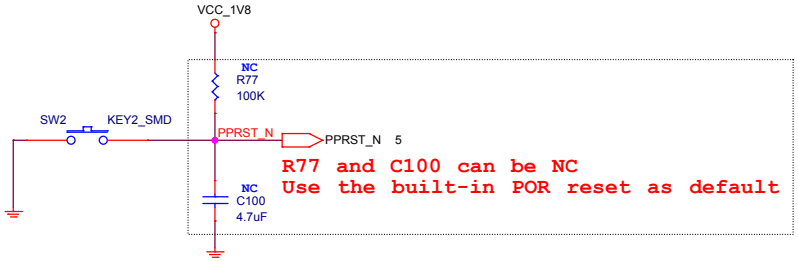


BOOT CONFIGURATION



BOOT_SEL1	BOOT_SEL0	BOOT FROM
0	0	SD card : MSC0
0	1	SFC : SPI0/SSI_CE0

RESET CIRCUITS



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Date	Revision	Change
Sep 05 2019	Rev1.0	1. First Revision

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