

Content Indexing

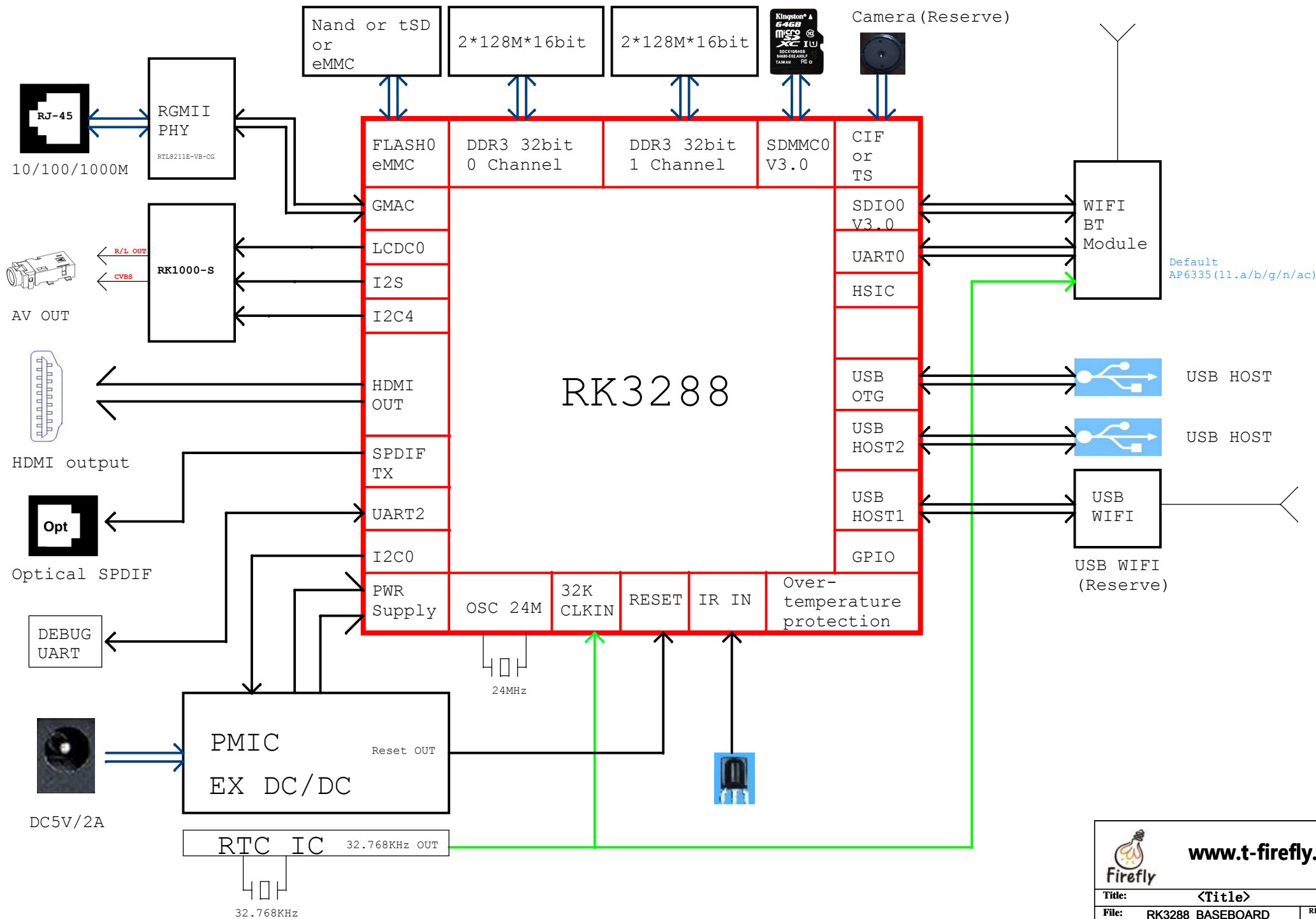
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- 06.RK3288 USB/HSIC Controler
- 07.RK3288 RAM Controler
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- 13.RK3288 EthernetMAC Controler
- 14.10/100/1000M-PHY
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- 17.DTV /SPI Interface
- 18.MXM Connector



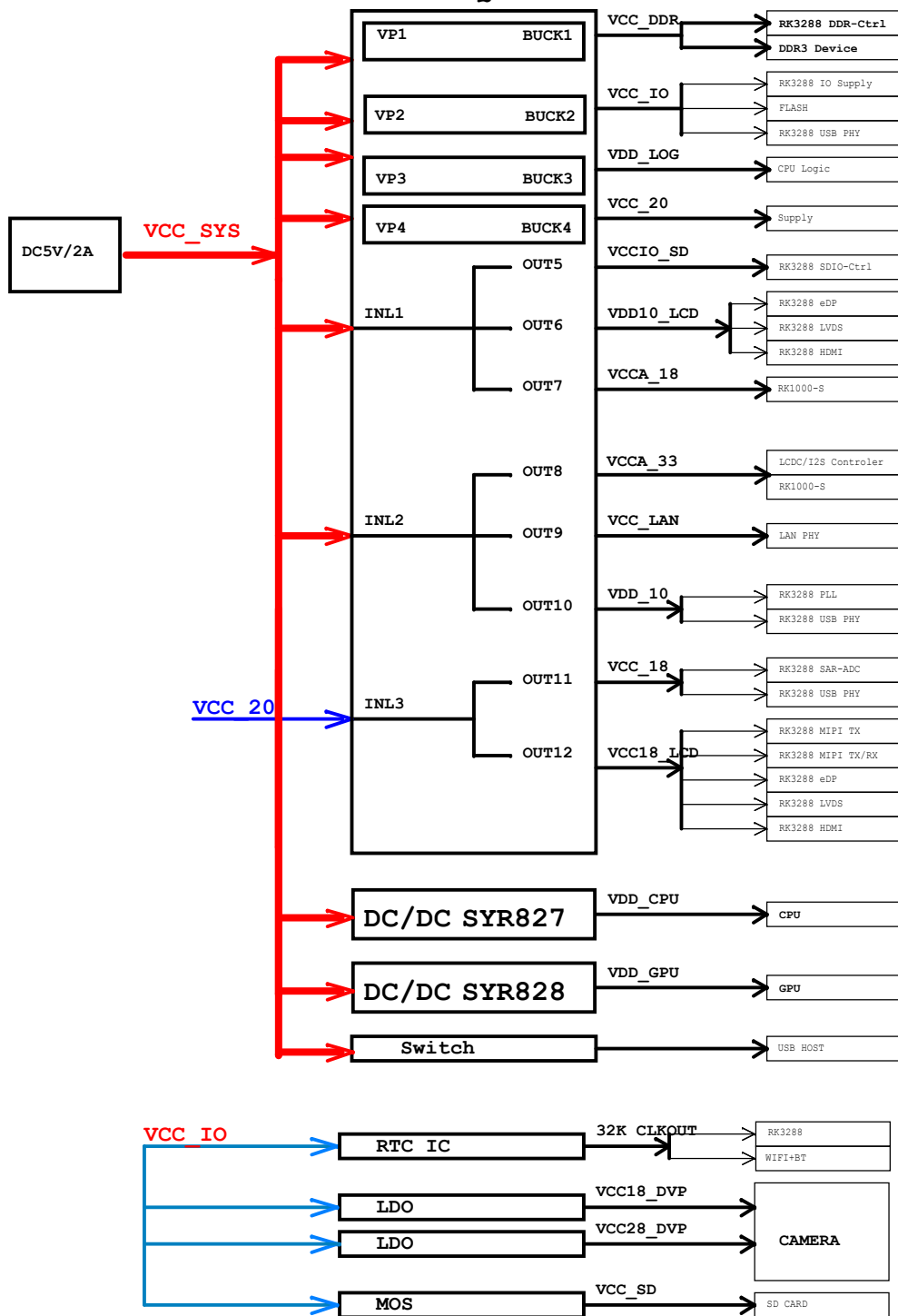
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Create Date: Sunday, January 26, 2014	Page Num: 1
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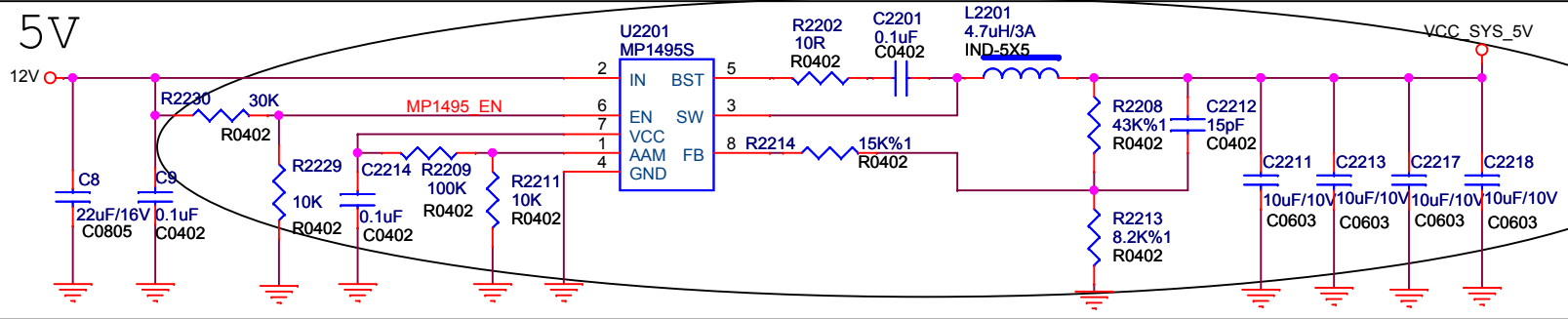
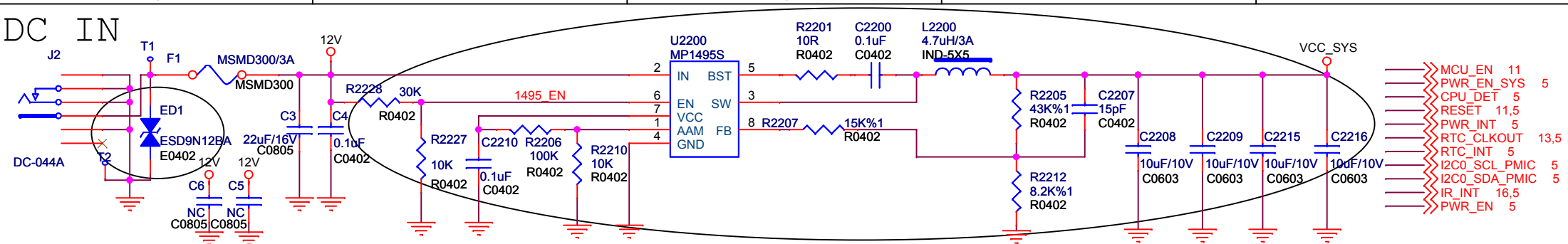
Version	Date	Author	Change Note	Approved
V00	20150318	HWQ	First edictor	



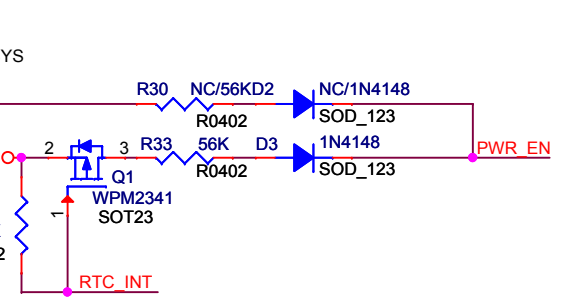
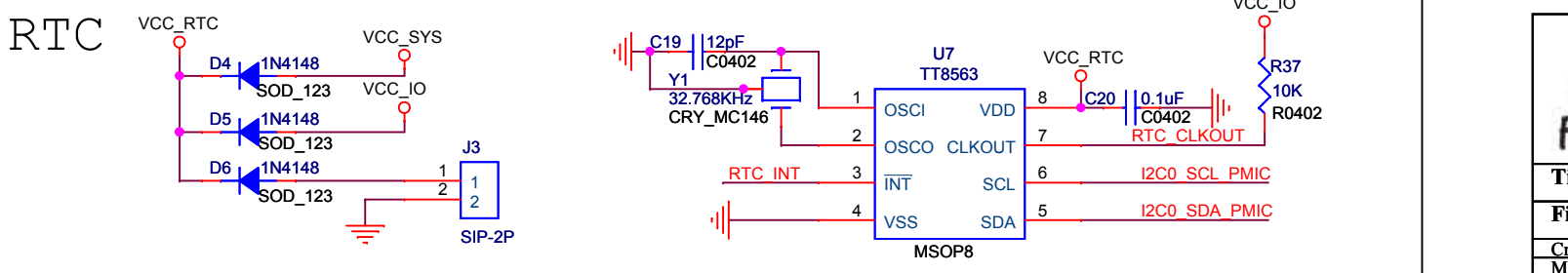
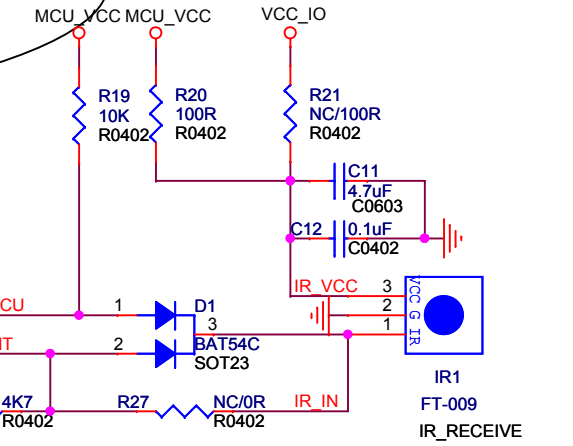
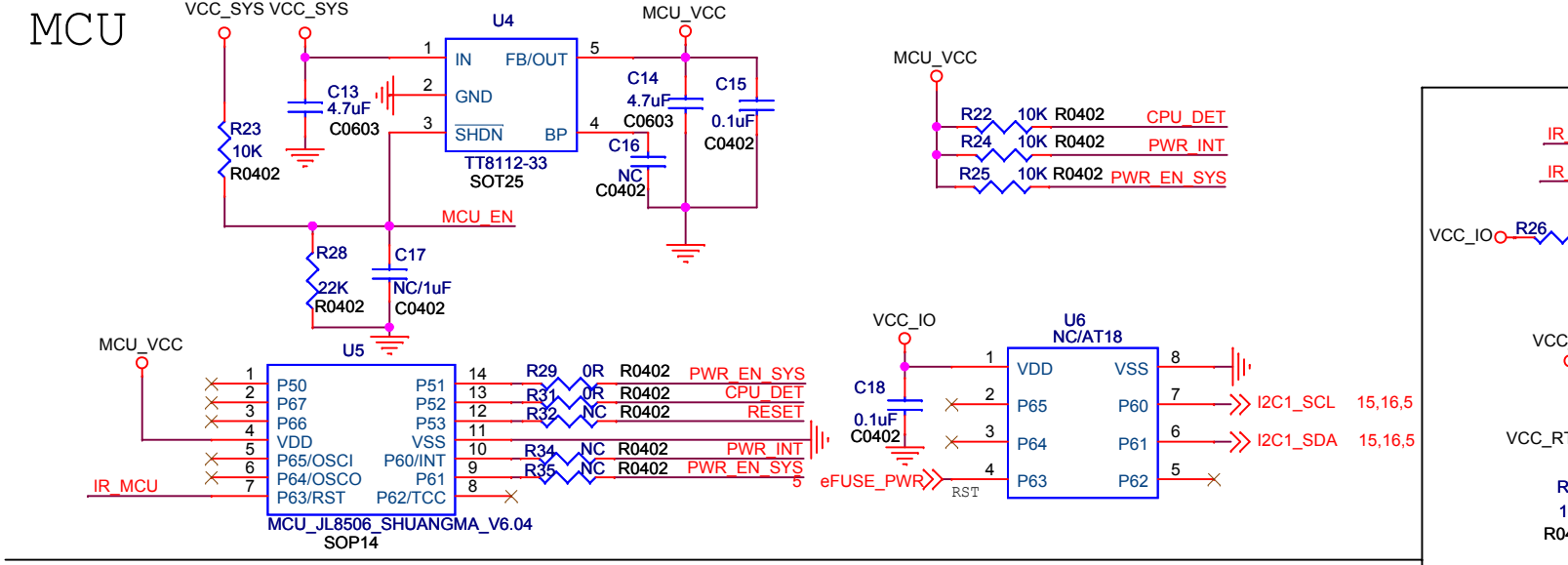
ACT8846QM489



PowerName	PMIC Channel	timer (2mS)	Default voltage	Working voltage
VCC_20	DCDC4	Solt:0	2.0V	2.0V
VDD_10	OUT10	Solt:1	1.0V	1.0V
VCC_DDR	DCDC1	Solt:2	1.5V (FB=1.2V)	1.5V (DDR3)
VDD_CPU	EX DCDC	Solt:2A	1.0V	DVFS
VDD_GPU	EX DCDC	Solt:2B	1.0V	DVFS
VDD_LOG	DCDC3	Solt:3	1.1V	DVFS
VCC_18	OUT11	Solt:4	1.8V	1.8V
VCC_LAN	OUT9	Solt:5	3.3V	3.3V
VCC_IO	DCDC2	Solt:6	3.3V	3.3V
VCCIO_SD	OUT5	Solt:6	3.3V	SD2.0:3.3V SD3.0:1.8V
VCCA_33	OUT8	OFF	OFF	3.3V
VCCA_18	OUT7	OFF	OFF	1.8V
VDD10_LCD	OUT6	OFF	OFF	1.0V
VCC18_LCD	OUT12	OFF	OFF	1.8V



POWER_CTL&IR RECEIVE

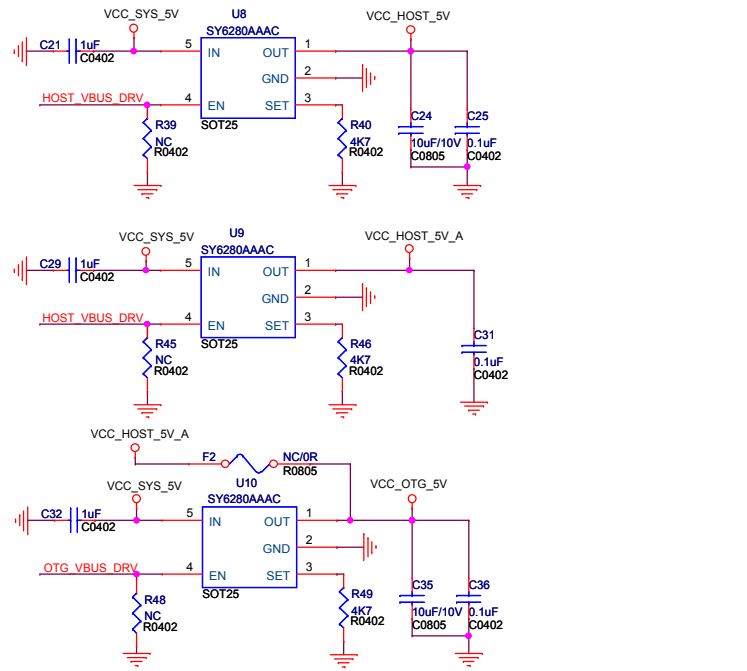




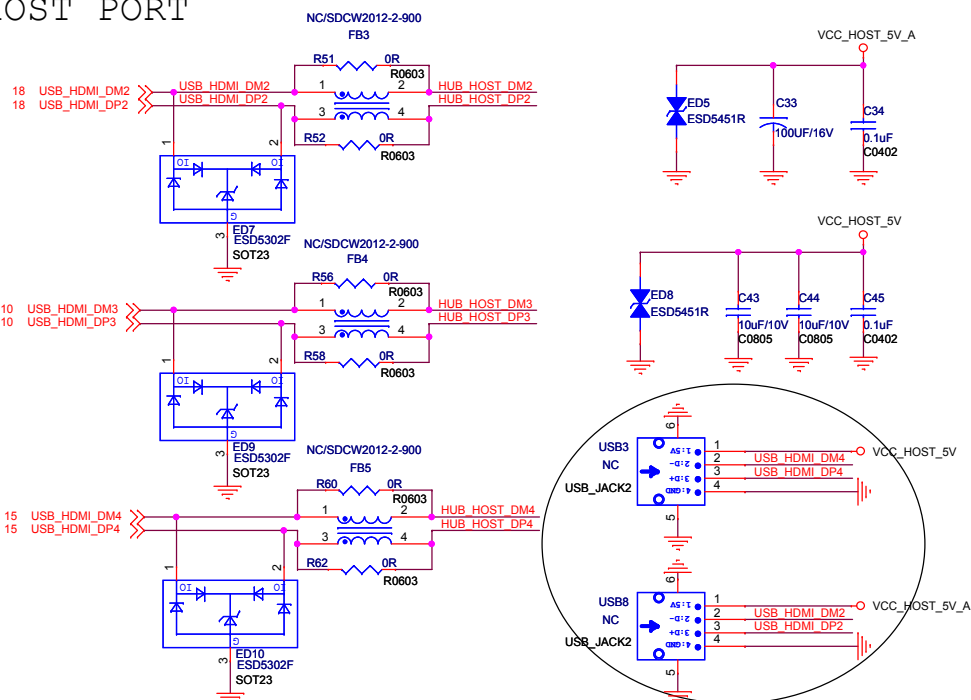
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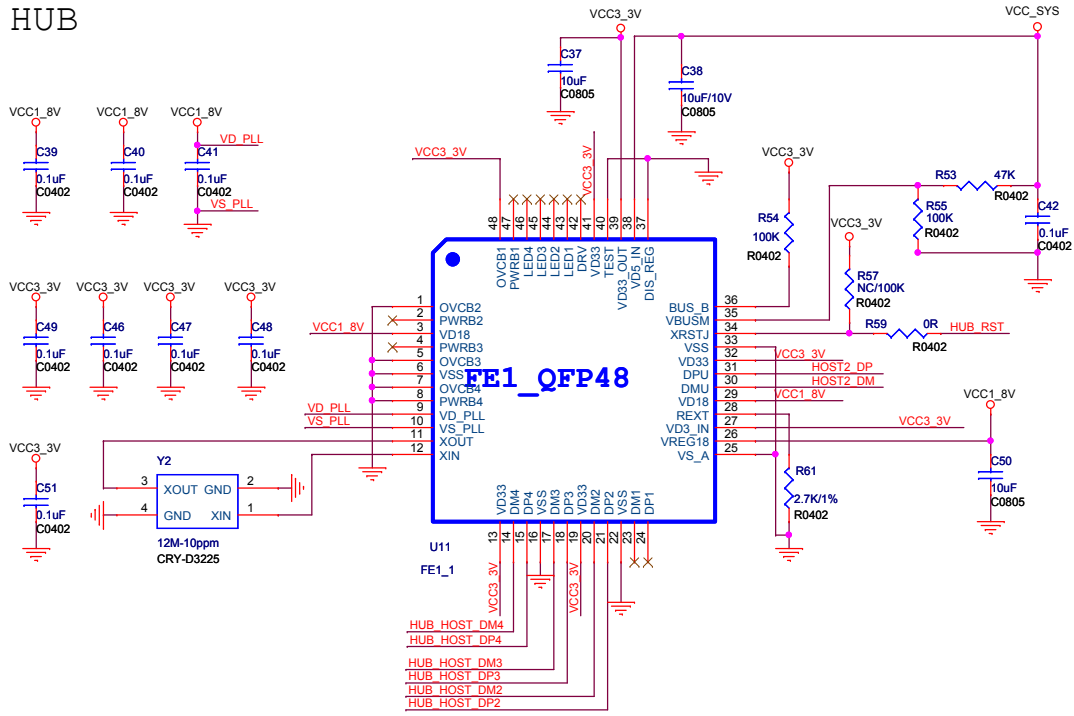
HOST,OTG_POWER



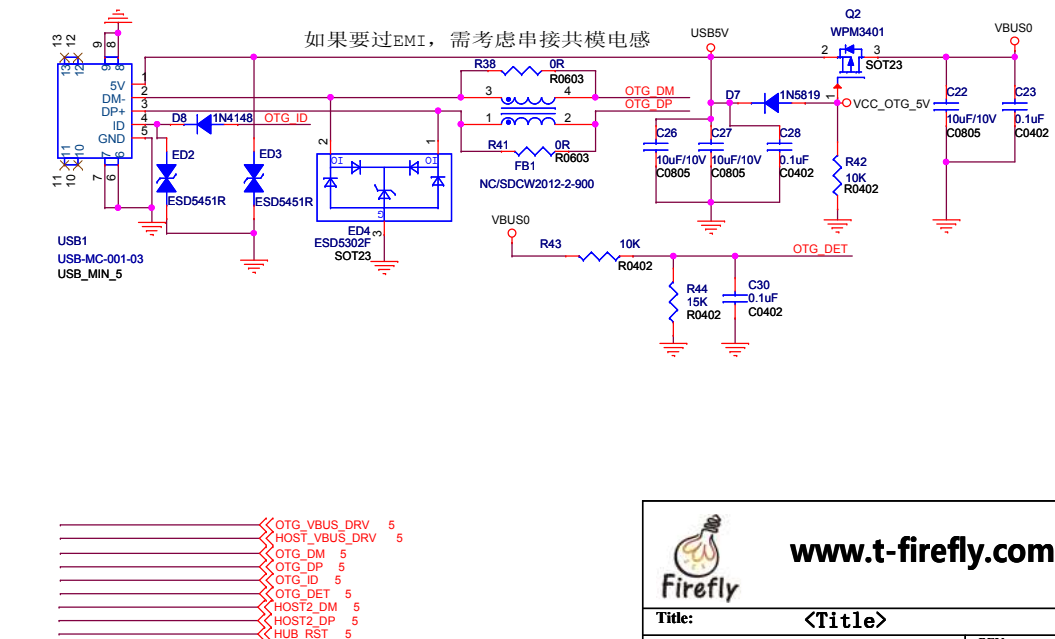
HOST PORT



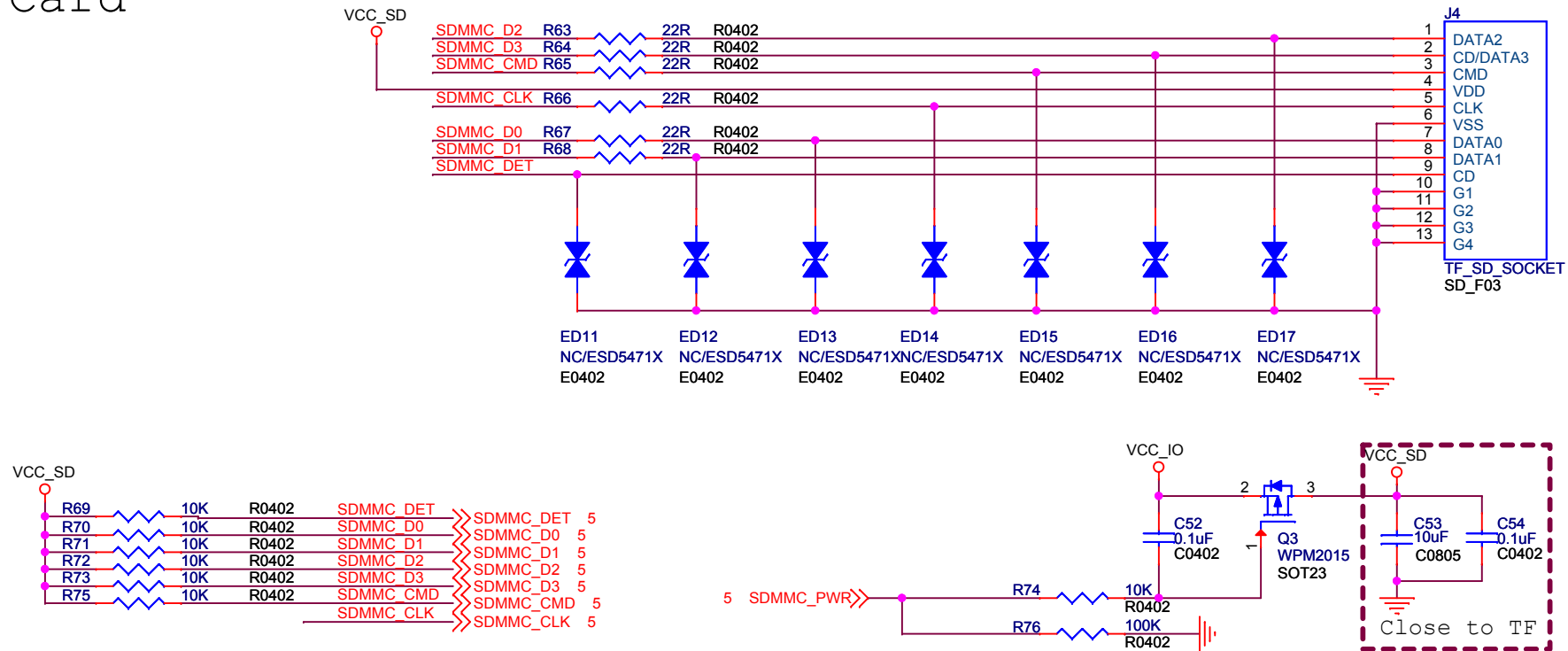
HUB



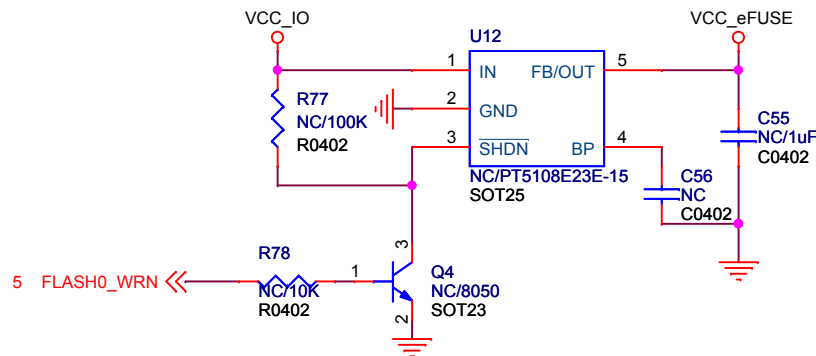
OTG PORT



TF Card



eFUSE_Power



eFUSE_Power

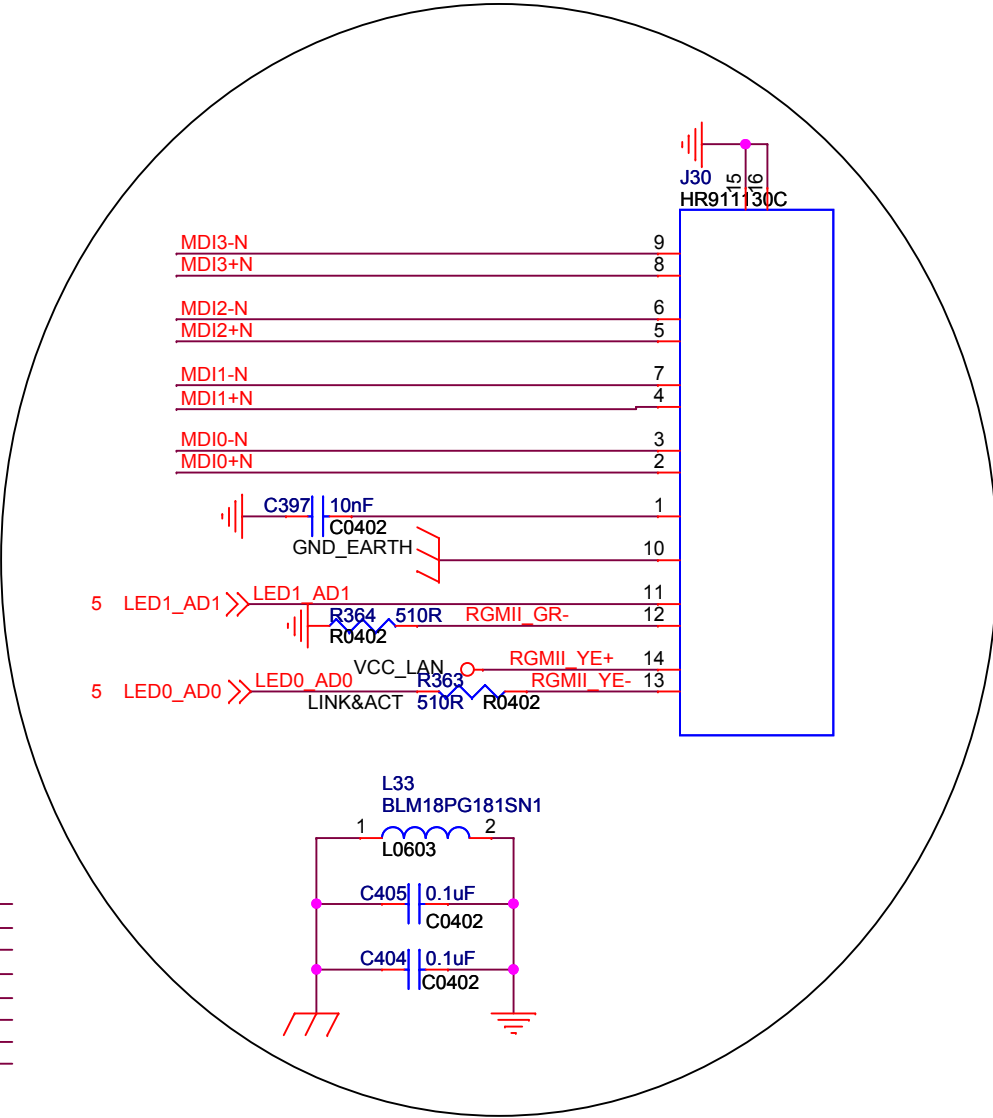
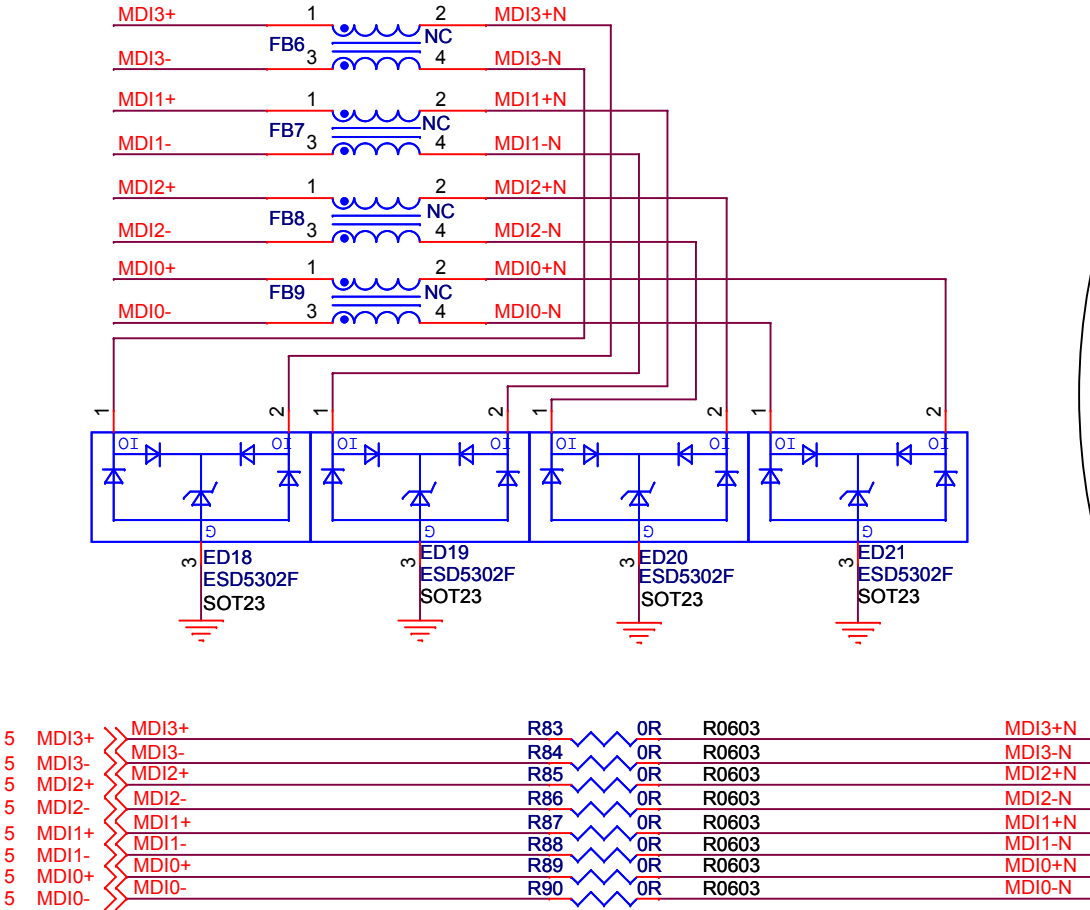
Place the Component
if need to write eFUSE



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RJ45

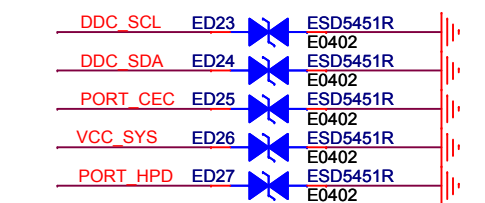
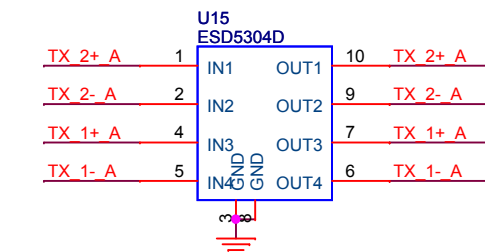
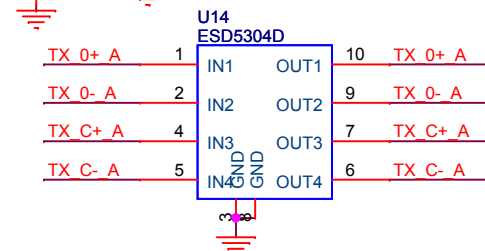
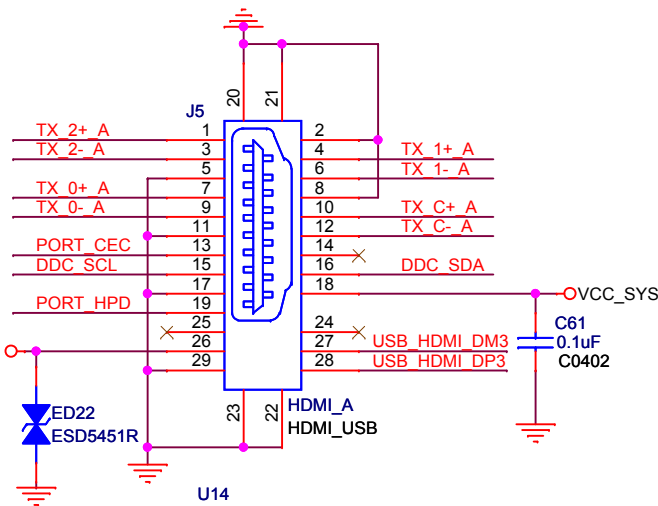
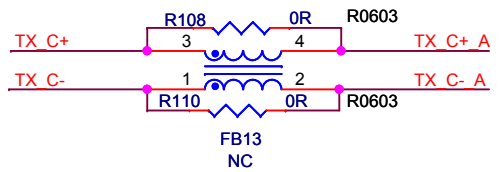
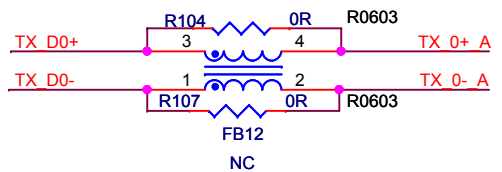
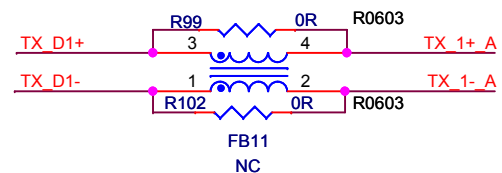
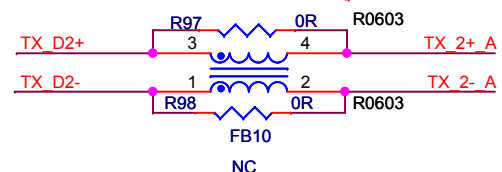
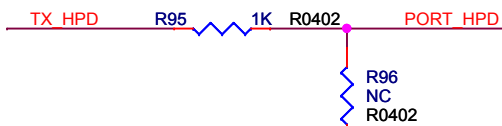
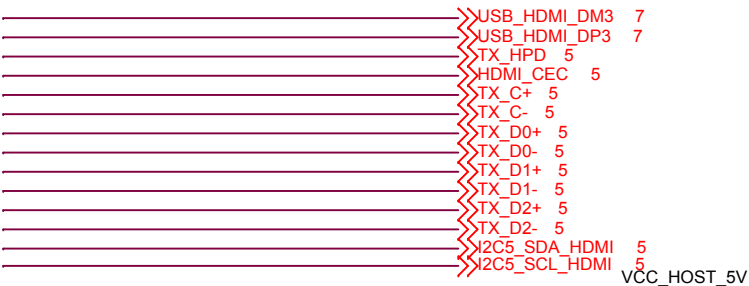
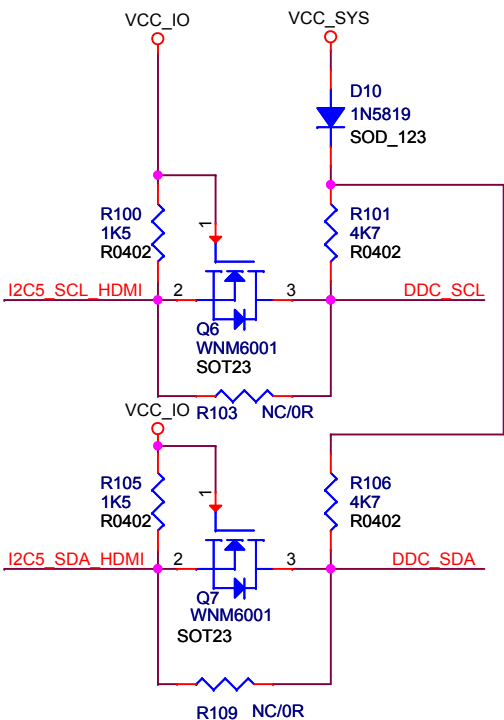
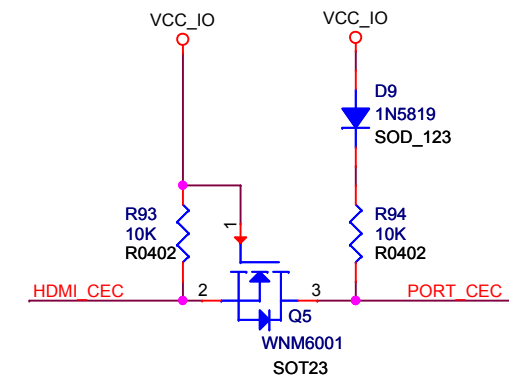




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HDMI_OUT

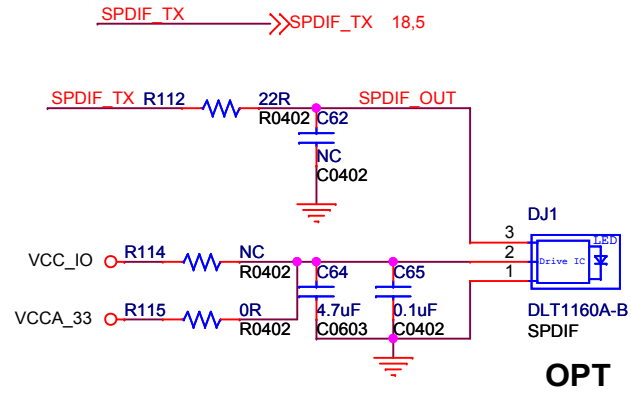




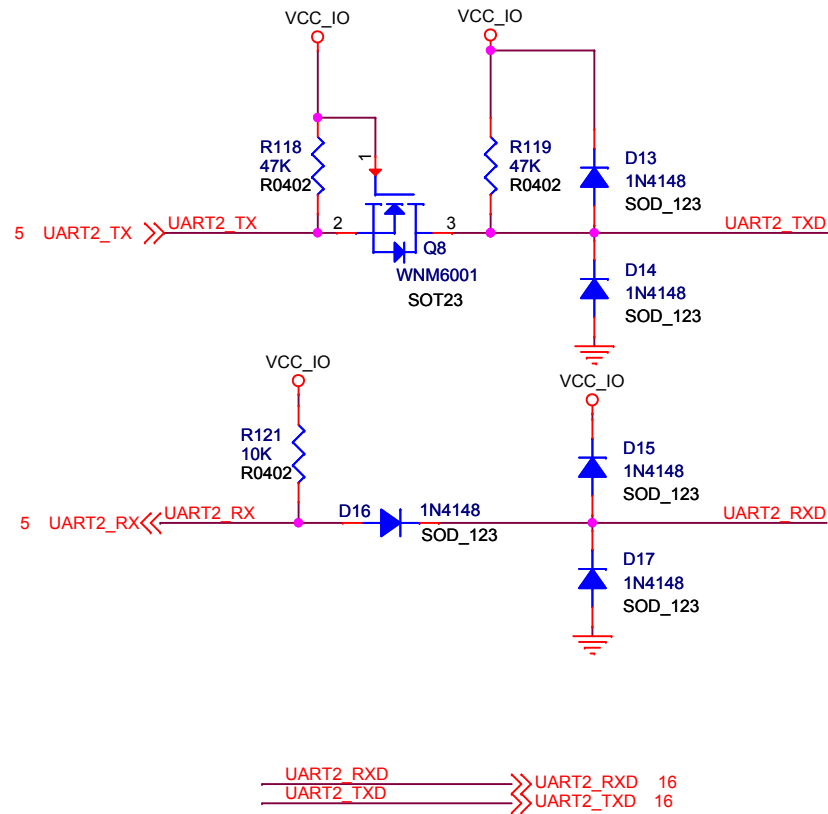
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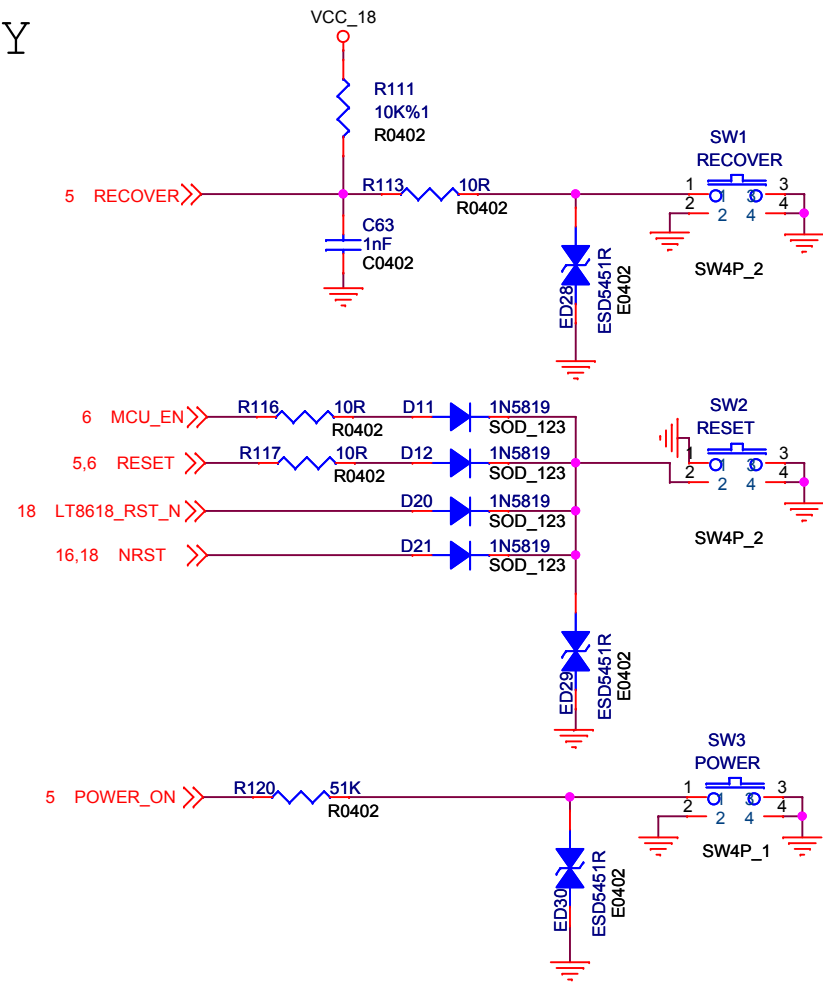
SPDIF



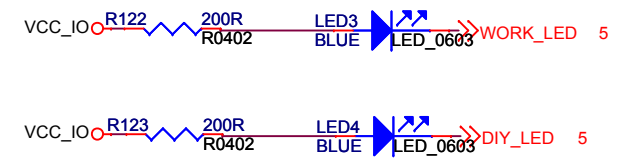
DEBUG



KEY



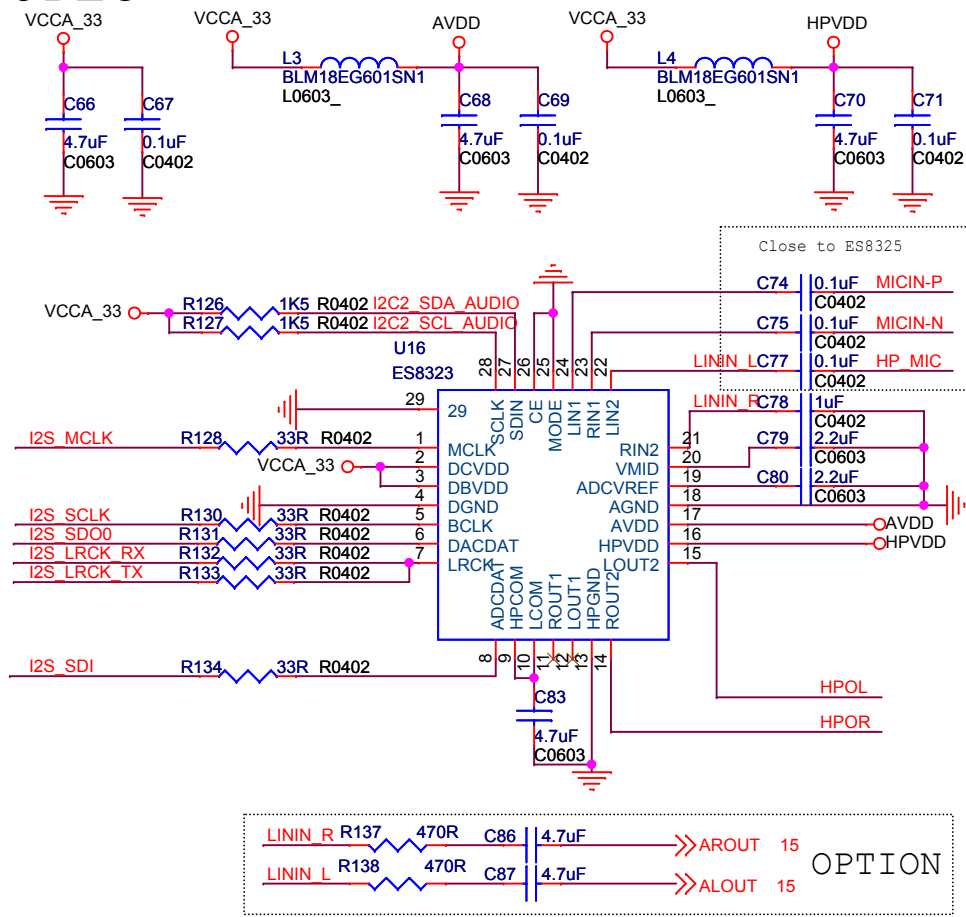
LED



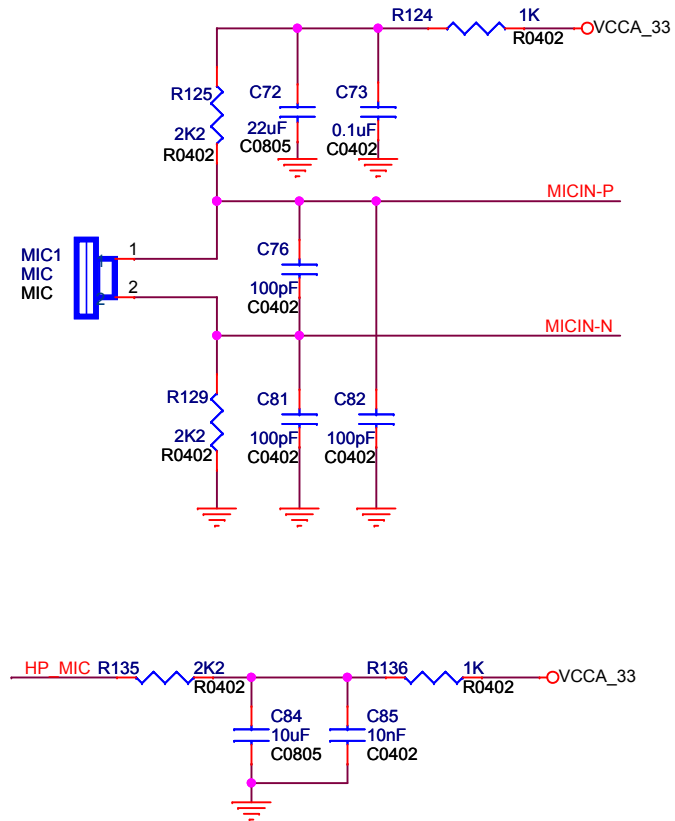
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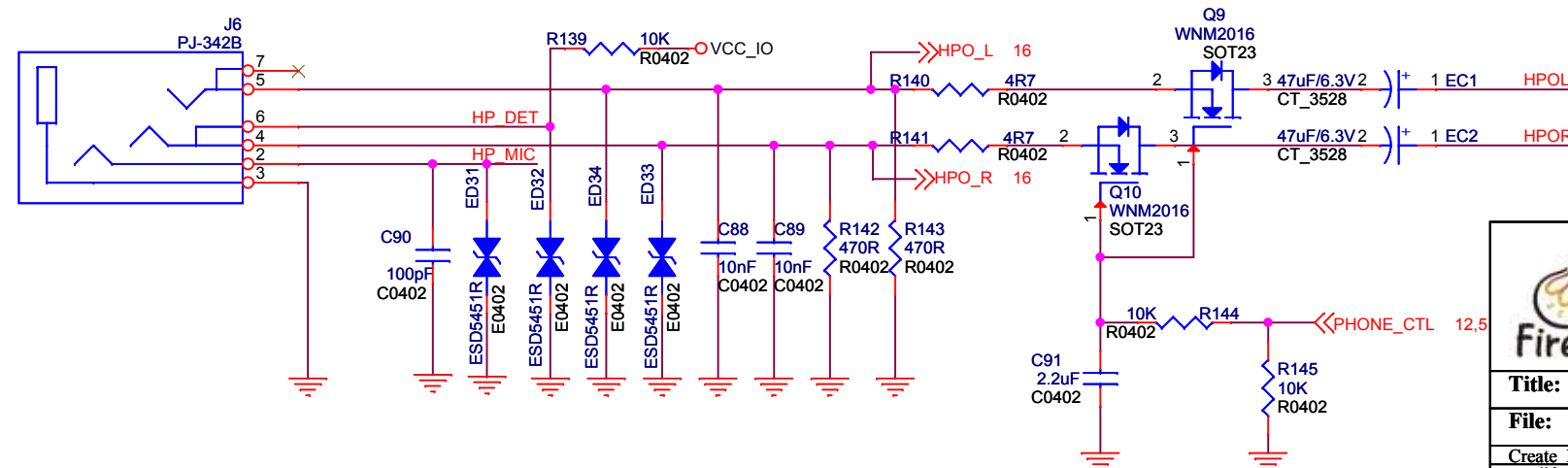
CODEC



MIC



Earphone



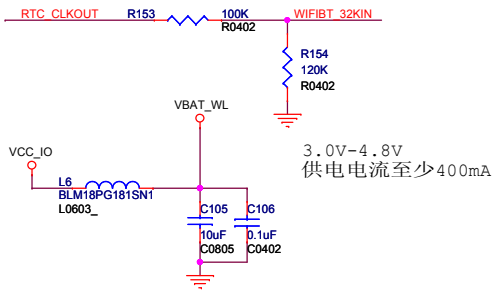
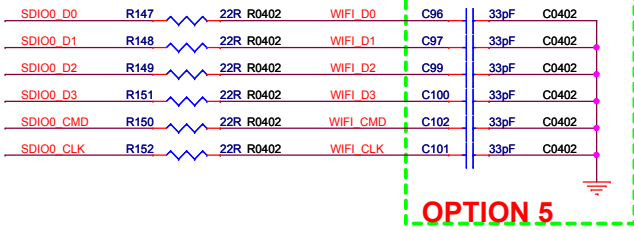
- <<I2C2_SDA_AUDIO 5
- <<I2C2_SCL_AUDIO 5
- <<I2S_MCLK 15,16,18,5
- <<I2S_SCLK 15,16,18,5
- <<I2S_SDO0 16,18,5
- <<I2S_LRCK_TX 16,18,5
- <<I2S_LRCK_RX 15,16,18,5
- <<I2S_SD1 15,16,5
- <<PHONE_CTL 12,5
- <<HP_DET 5



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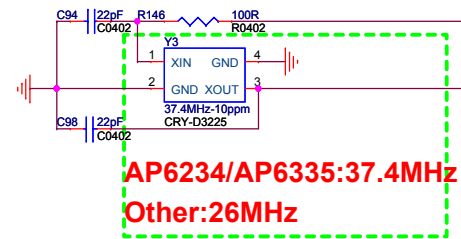
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WIFI

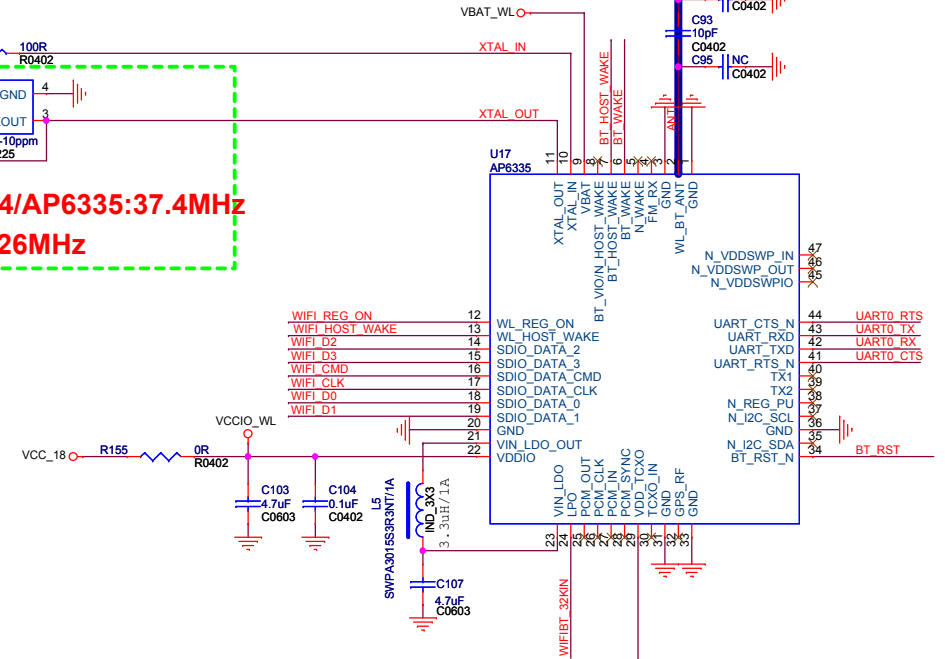


Note:
Adjusted the load capacitance
according to the crystal specification.

OPTION 5



AP6234/AP6335:37.4MHz
Other:26MHz



OPTION	WIFI				BT4.0	Crystals	VDDIO
	a	b/g/n	ac	5GHz			
AP6181		Yes				26MHz	1.71-3.6V
AP6212		Yes			Yes	26MHz	1.71-3.6V
AP6234	Yes	Yes		Yes	Yes	37.4MHz	1.6-3.4V
AP6330	Yes	Yes		Yes	Yes	26MHz	1.2-2.9V
AP6335 (Default)	Yes	Yes	Yes	Yes	Yes	37.4MHz	1.71-3.63V

OPTION			3	4	5
AP6181			No	No	No
AP6212			NO	No	No
AP6234			No	No	No
AP6330			No	No	No
AP6335 (Default)			No	Yes	Yes

Note:
Yes:框内要贴
No:框内不贴

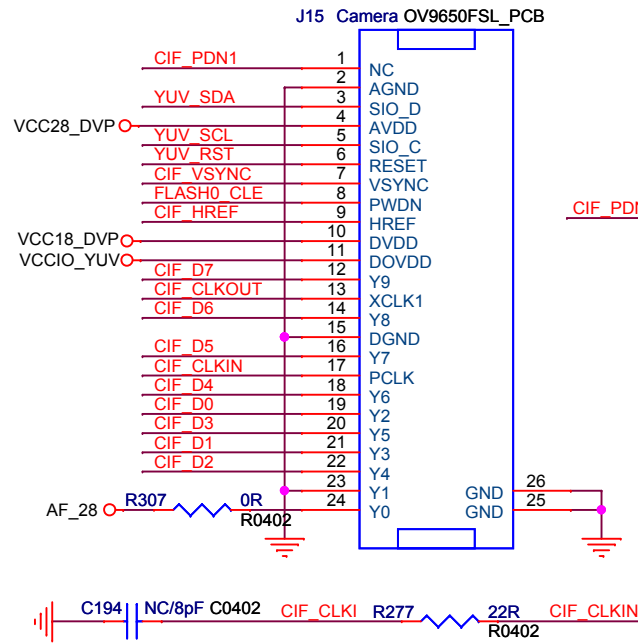
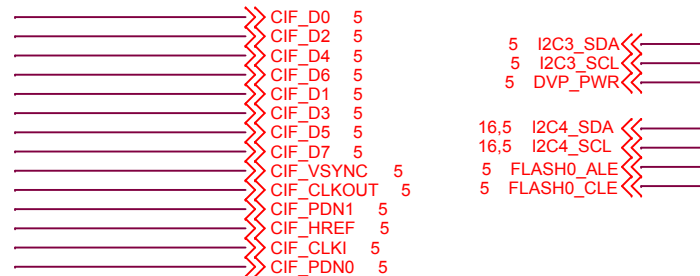
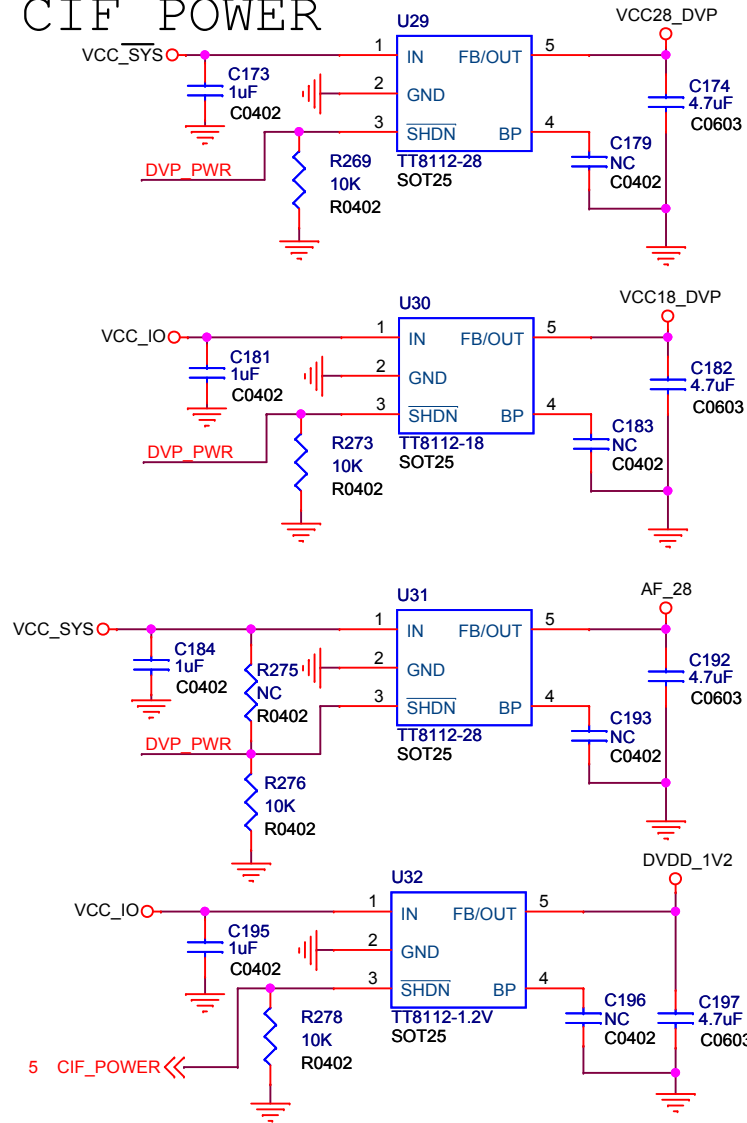
50 Ohm RF trace



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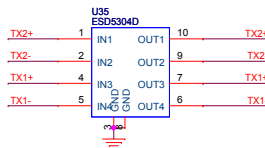
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CIF POWER

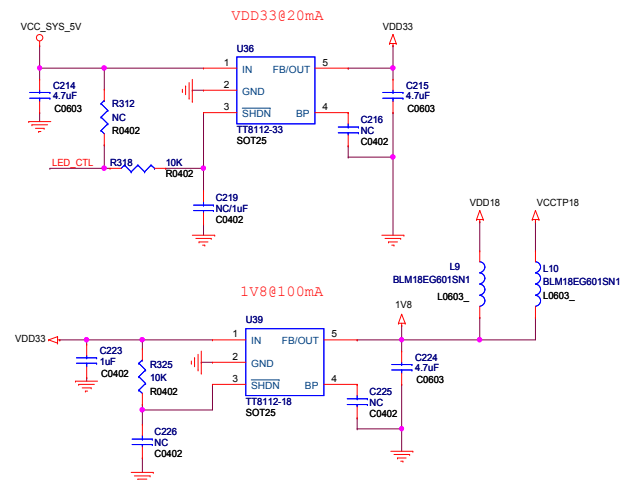


Decouple capacitance: Close IC power pin

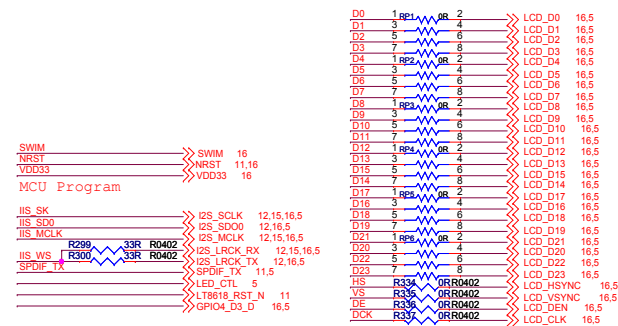
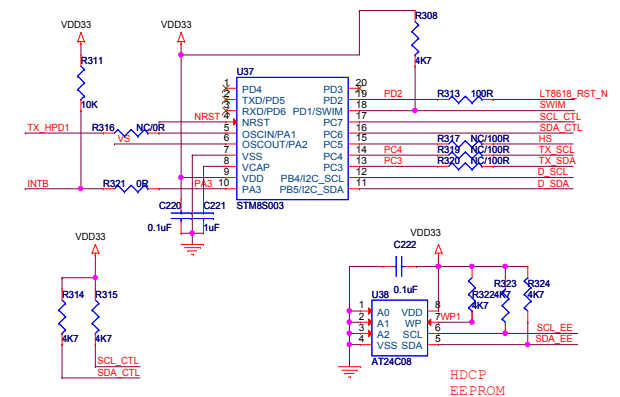
HDMI OUTPUT



POWER



MCU



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File: RK3288_BASEBOARD	REV: V01
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