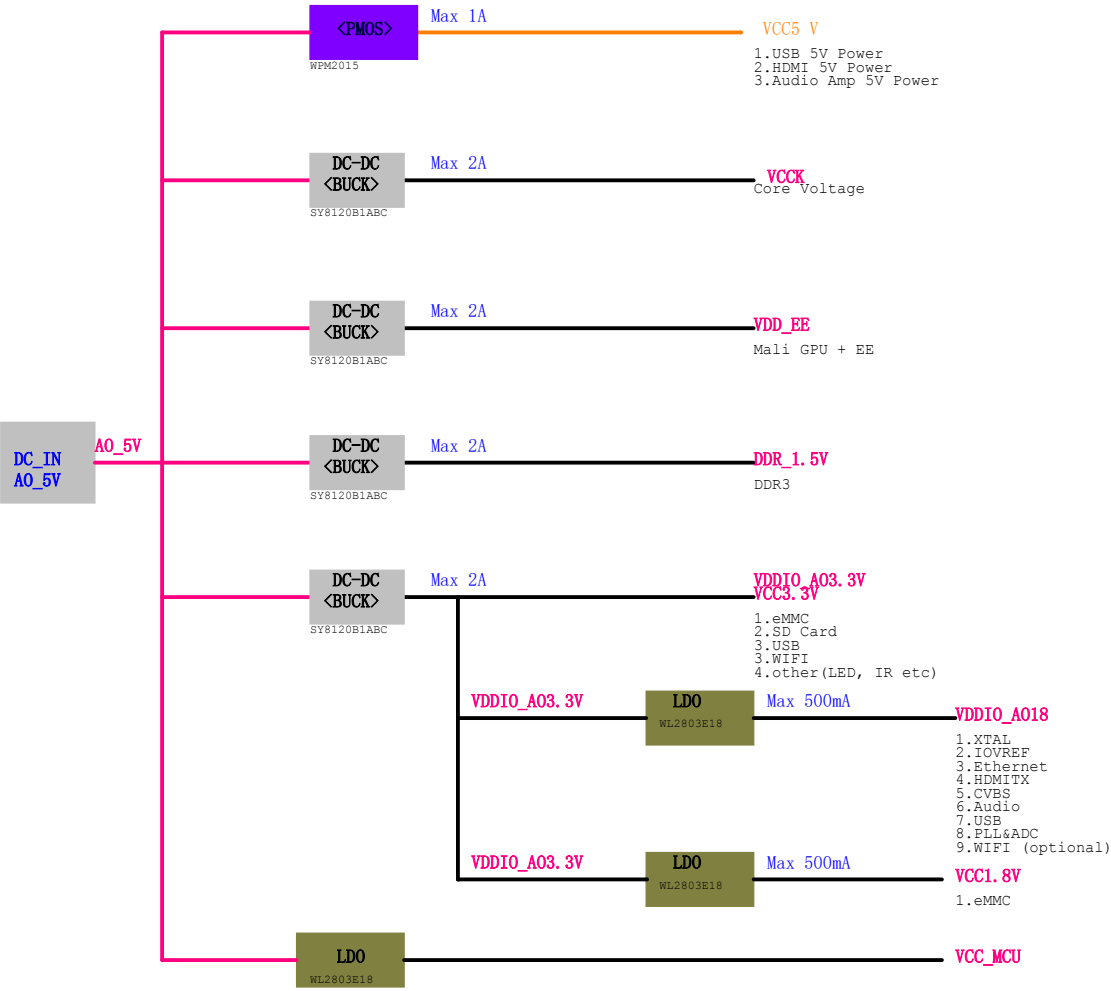


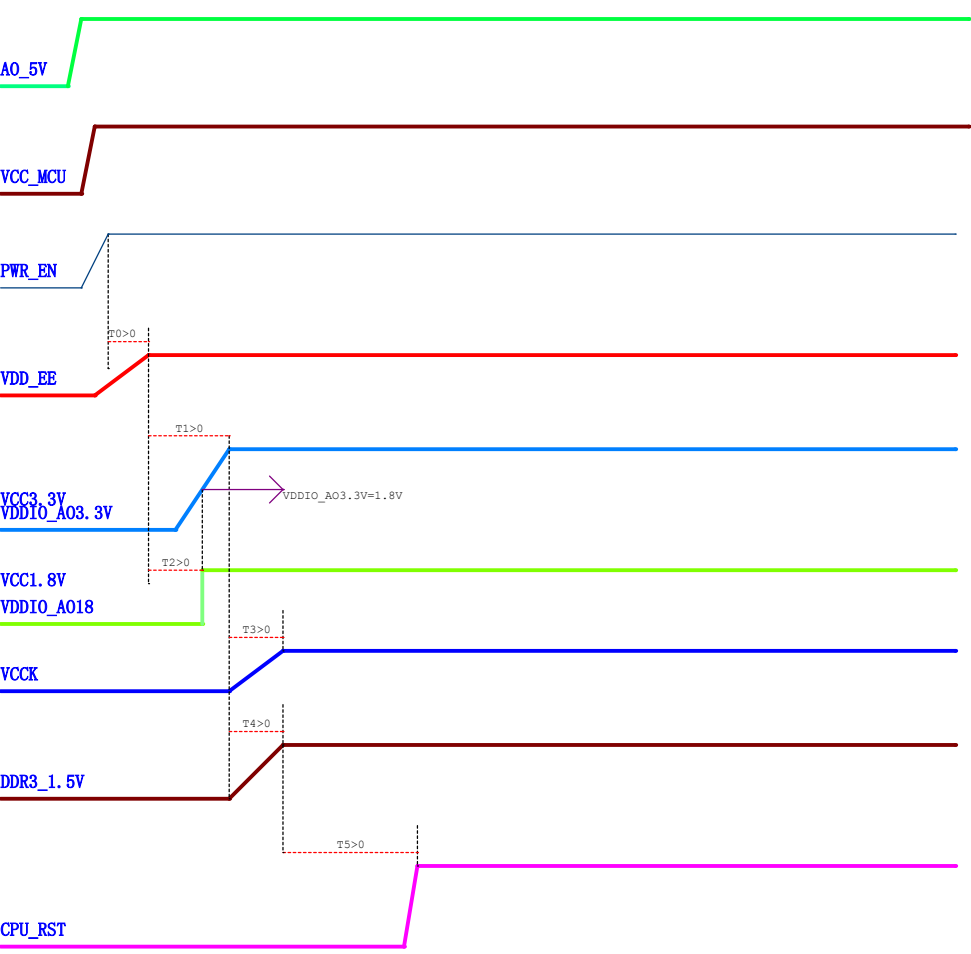
Vim

Project:	Vim		
Desc:	Power tree & timings		
Date:	Wednesday, August 17, 2016	Rev:	V1.1
Author:	Gouve	Page:	1 of 10

Power Tree :

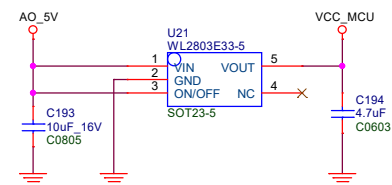
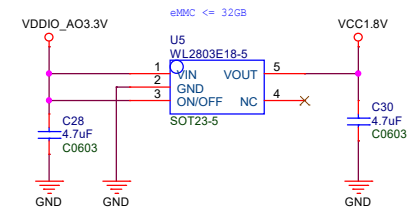
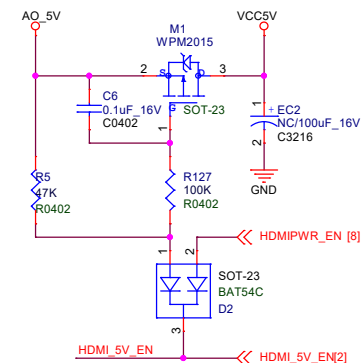


Power On Sequence :

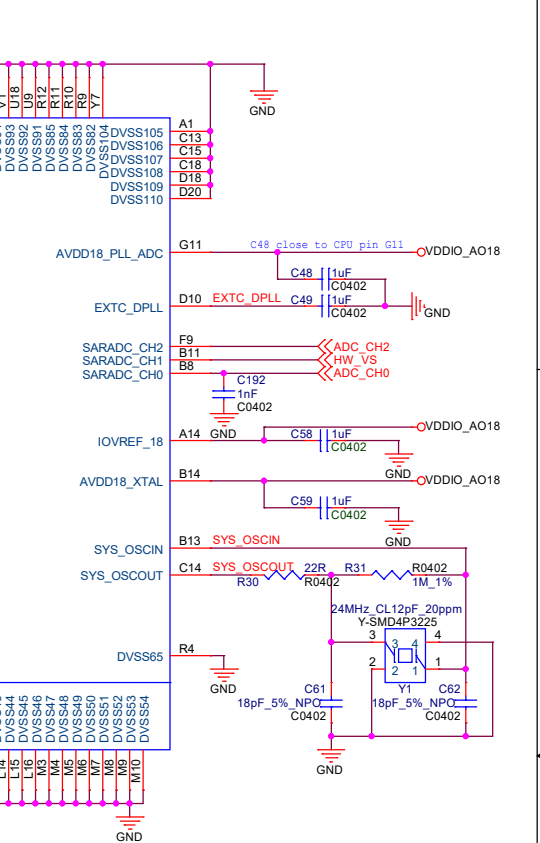
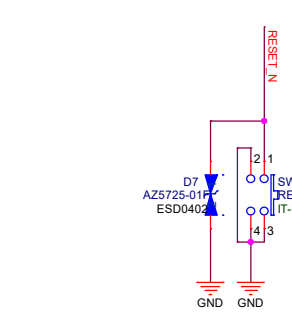
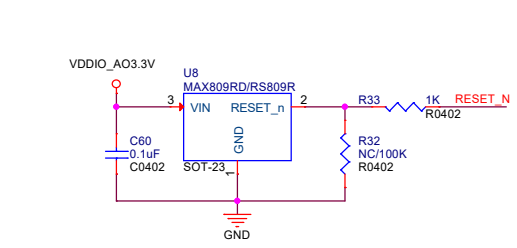
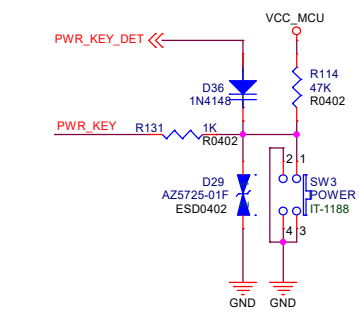
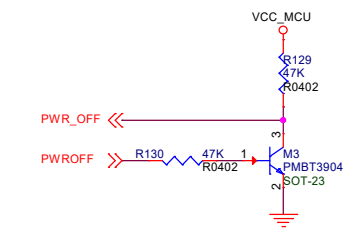
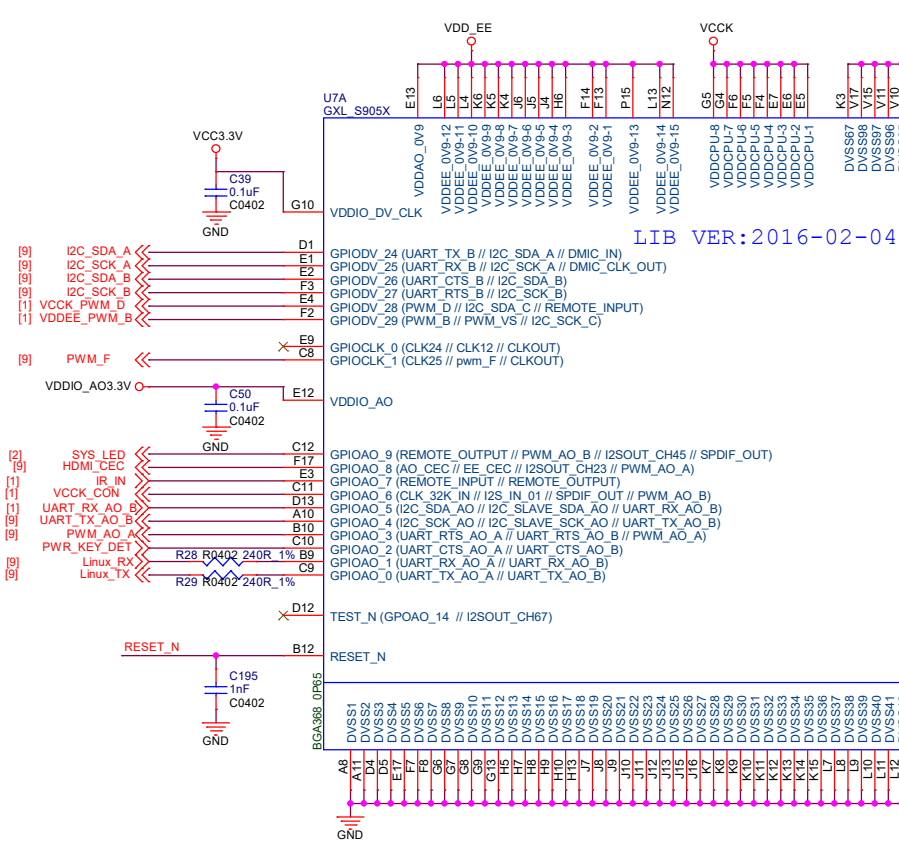
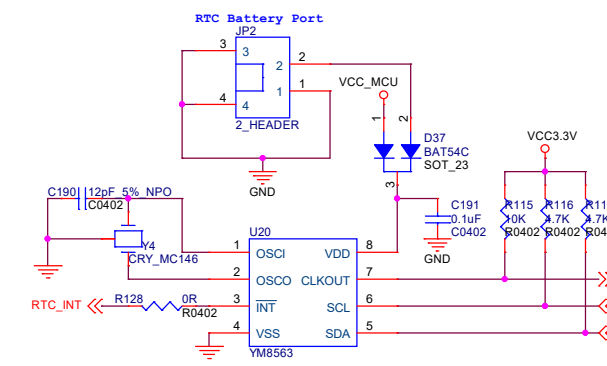
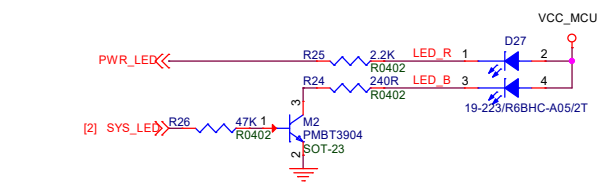
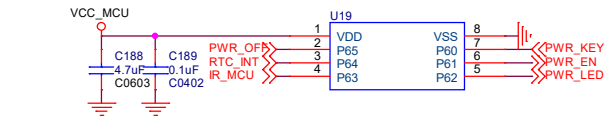
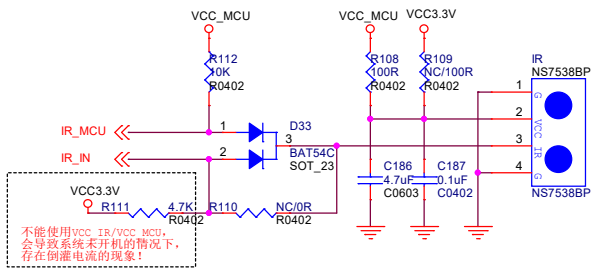
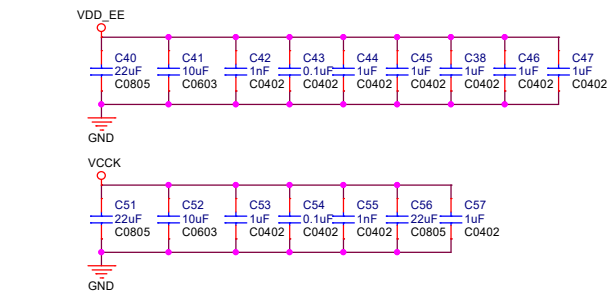


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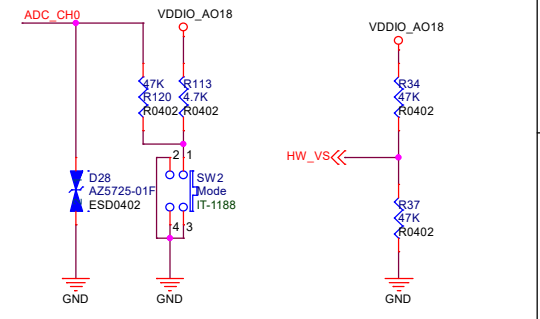
- P01 Blank
- P02 Power Timings
- P03 POWER
- P04 CPU & IR & Keys & RTC
- P05 DDR3
- P06 eMMC & GPIO
- P07 Ethernet
- P08 USB & SDCard
- P09 WIFI & BT
- P10 HDMI & CVBS



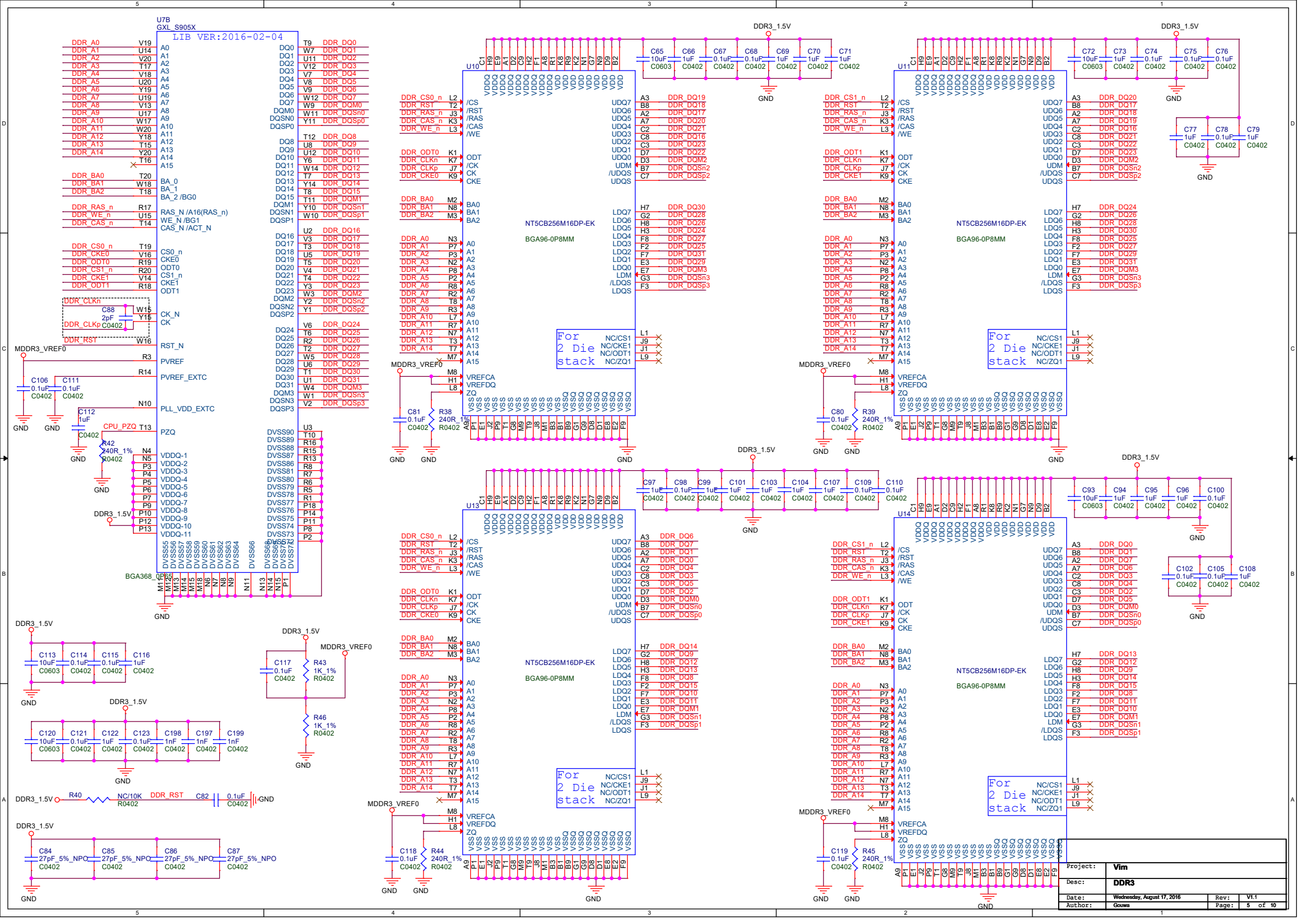
Project:	Vim		
Desc:	Power		
Date:	Wednesday, August 17, 2016	Rev:	V1.1
Author:	Gouma	Page:	3 of 10

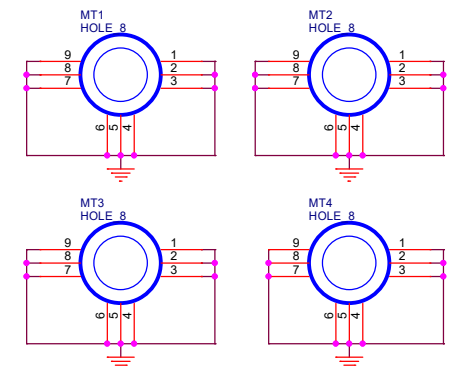
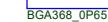


BW ID	0	1	2	3	4	5	6	7	8	9	10	11	12
BW_VS	0	85	167	248	334	420	512	603	689	775	856	938	1023
ADC Value													
pull-up	X	91K	82K	75K	68K	62K	56K	51K	46K	41K	36K	32K	28K
pull-down		100K	8.2K	16K	24K	33K	43K	54K	66K	79K	93K	108K	125K
Version	Reserved												

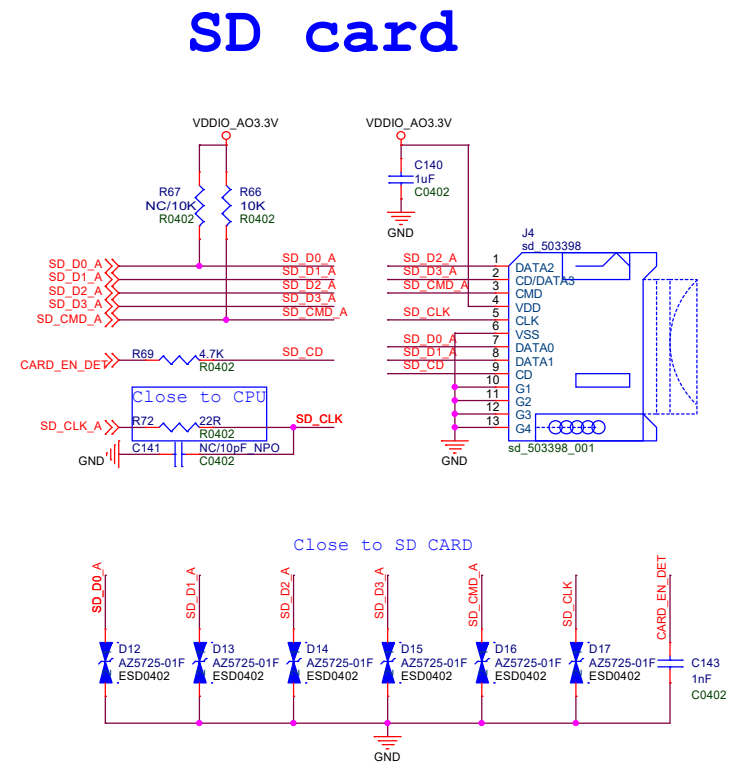
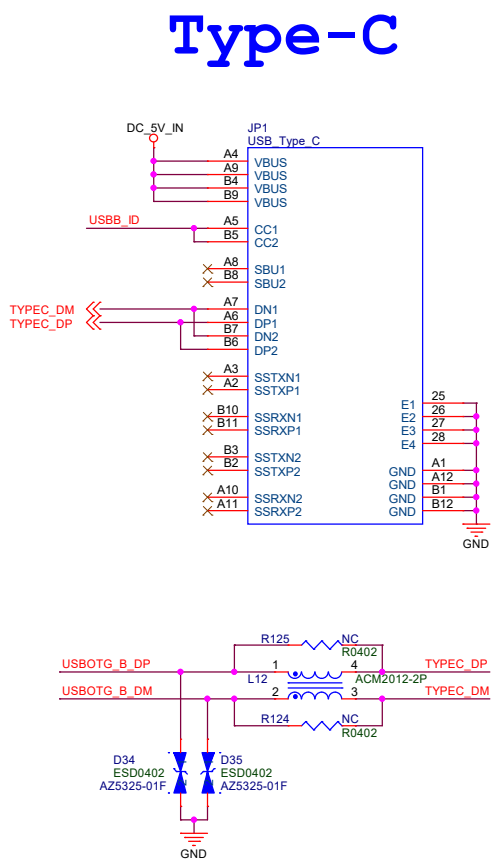
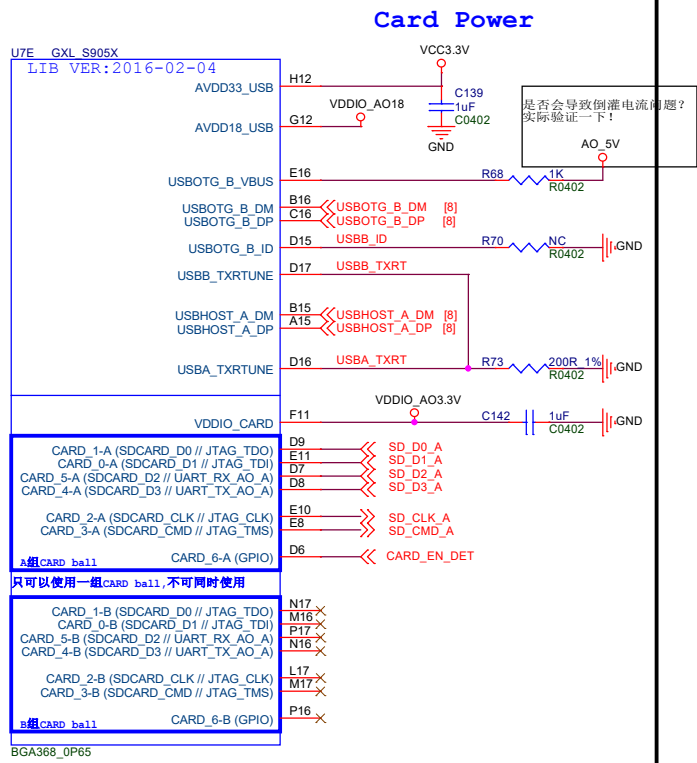


Project:	Vim
Desc:	CPU & IR & MCU & KEYS
Date:	Wednesday, August 17, 2016
Author:	Gouwe
Rev:	V1.1
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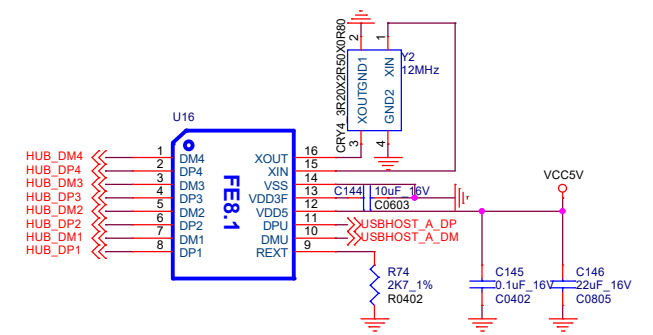
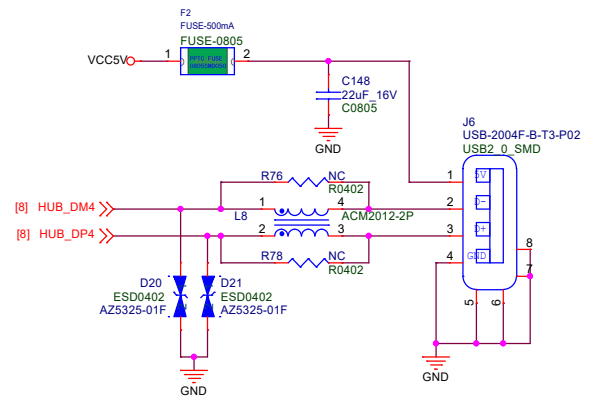
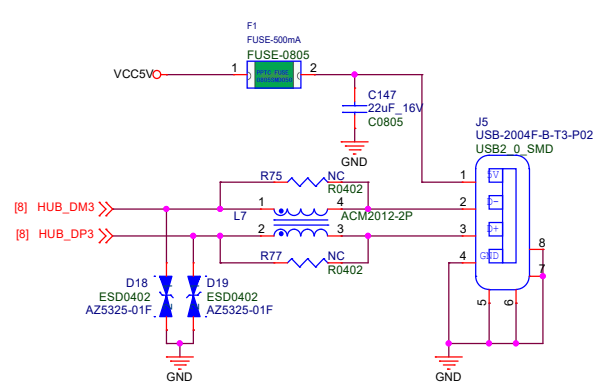




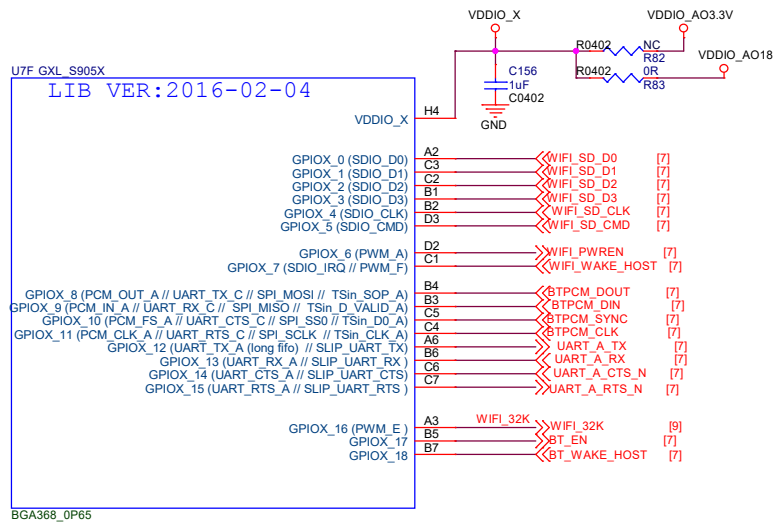
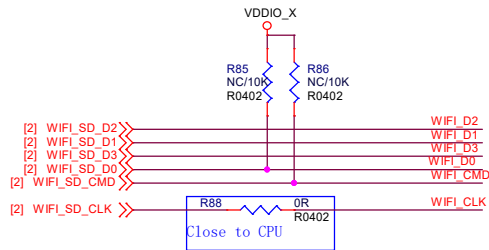
Project:	Vim		
Desc:	EMMC & GPIOs		
Date:	Wednesday, August 17, 2016	Rev:	V1.1
Author:	Gouma	Page:	6 of 10



USB Host



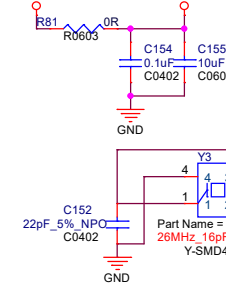
Project:	Vim		
Desc:	USB & SDCard		
Date:	Wednesday, August 17, 2016	Rev:	V1.1
Author:	Gouwe	Page:	8 of 10



Close to WIFI PIN 9

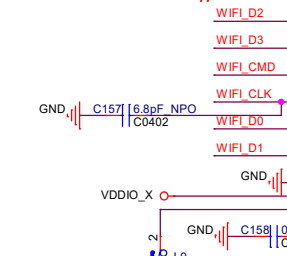
VDDIO_AO3.3V

WIFI_VBAT



[2] WIFI_PWREN

[2] WIFI_WAKE_HOST



Note: 3.3uH@DCR<80mΩ

[2] WIFI_32K

[2] BT_PCM_DIN

[2] BT_PCM_CLK

[2] BT_PCM_DOUT

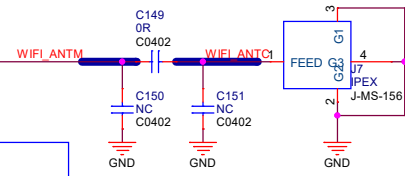
[2] BT_PCM_SYNC

NOTE:

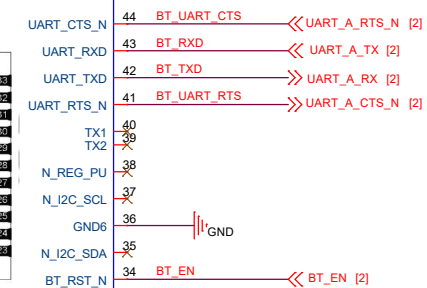
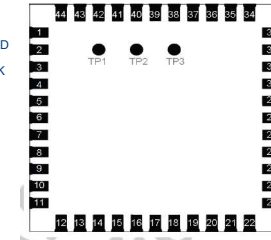
AP6335 OSC use 37.4MHZ

Others AMPAK OSC use 26MHZ

50 ohm impedance RF trace WIFI ANT



< TOP VIEW >

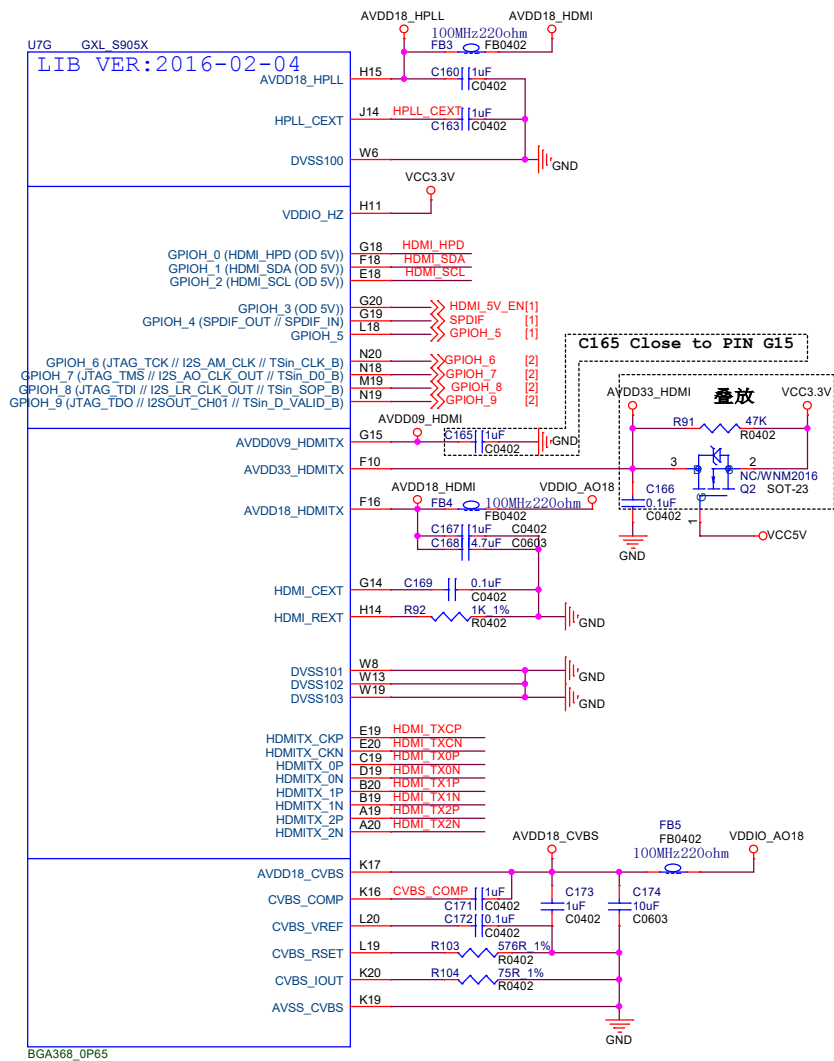
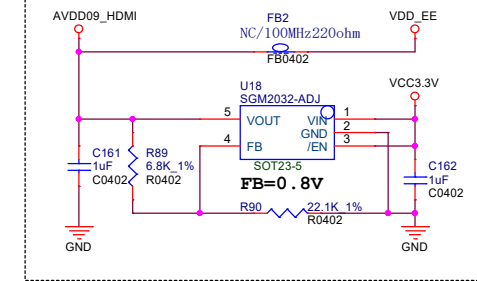


R87: NC for AP6181/6212/6330

R87: 0R for AP6335

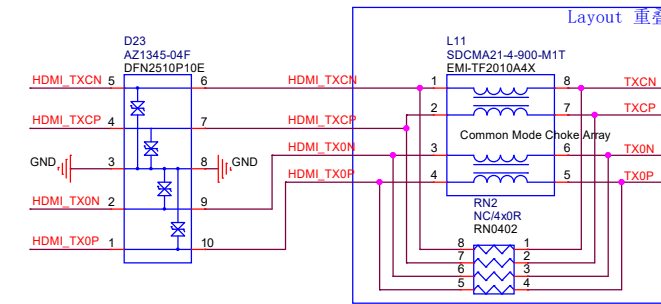
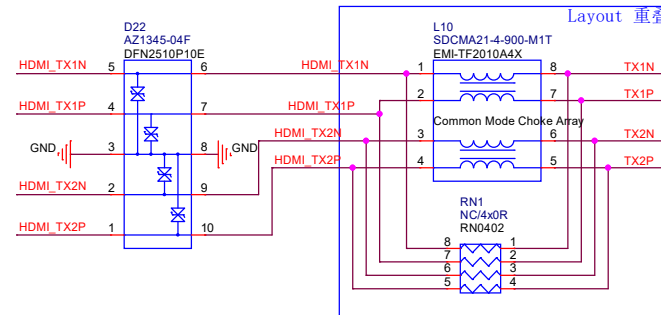
Project:	Vim
Desc:	WIFI & BT
Date:	Wednesday, August 17, 2016
Author:	Gouve
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Used LDO for HDMI 4K compliance
Used FB for low cost solution

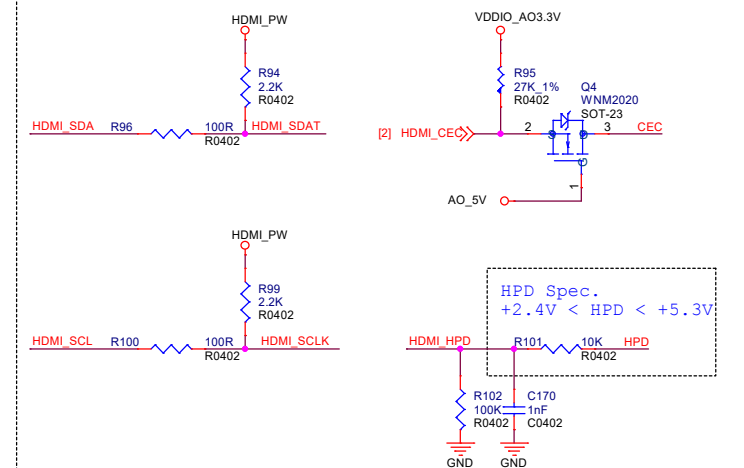


BGA368_0P65

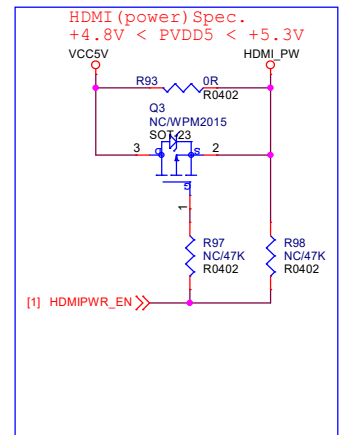
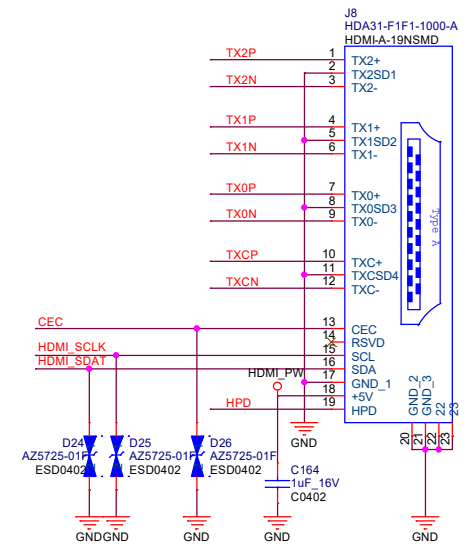
HDMI output



Q4防倒灌电路、R101/R102分压电路不可删除



Type A



Project:	Vim		
Desc:	HDMI		
Date:	Wednesday, August 17, 2016	Rev:	V1.1
Author:	Gouwa	Page:	10 of 10