01.Index I2C address(7bit): 02.Change List 03.Block Diagram 1.I2C0 POWER: ACT8846 0x5a 04.04.Power Tree CW2013 0x62 05.Power HYM8563 0x51 06.USB Port RT5C619 0x32 SYR827 0x40 07.Audio Codec-ES8323 SYR828 0x41 08.Camera-CIF 09.LCM-eDP Panel 2.I2C1 Sensor: 10.HDMI 0x10,0x0cCM3218 LSM330TR G:0x6a A:0x1e 11.LCM-LVDS Panel MMA8452Q 12.AP6XXX-WIFI/BT MPU6050C 0x68 13.TP COF LIS3DH 0X19 LSM303D 0X1d 14.TF Card&GE 15.JM23029(USB-SATA) 3.I2C2 Audio Codec: 16.MXM-CONNECTOR ALC3224 0x19 ALC5623 0x1a ALC5631 0x1a ES8323 0x10 4.I2C3 Camera: OV2659 0x30 OV8825 0x36 5.I2C4 Touch: CT363 0x1b FT5506 GSL3680 Design Name

RADXA_ROCK2

Design Name

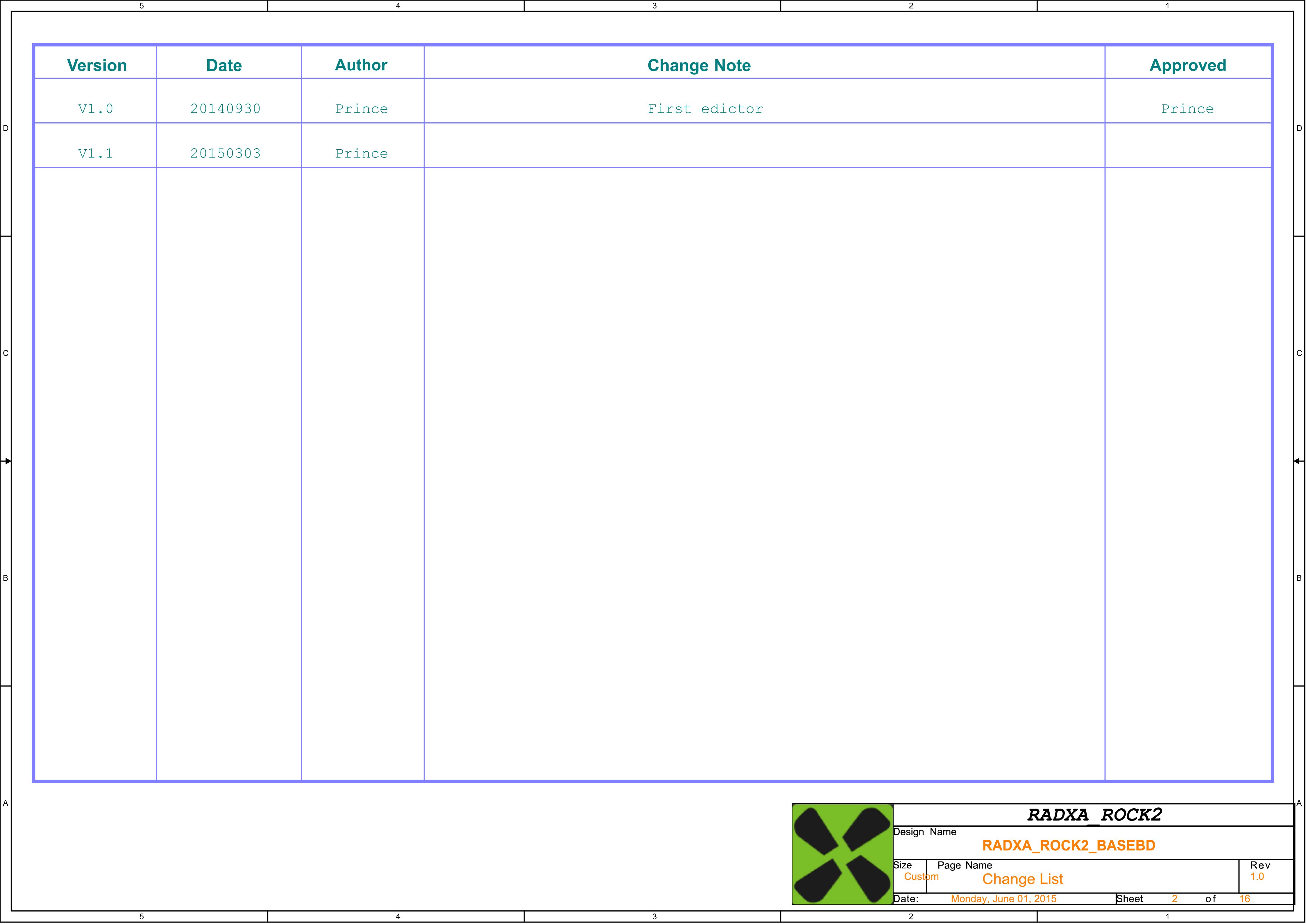
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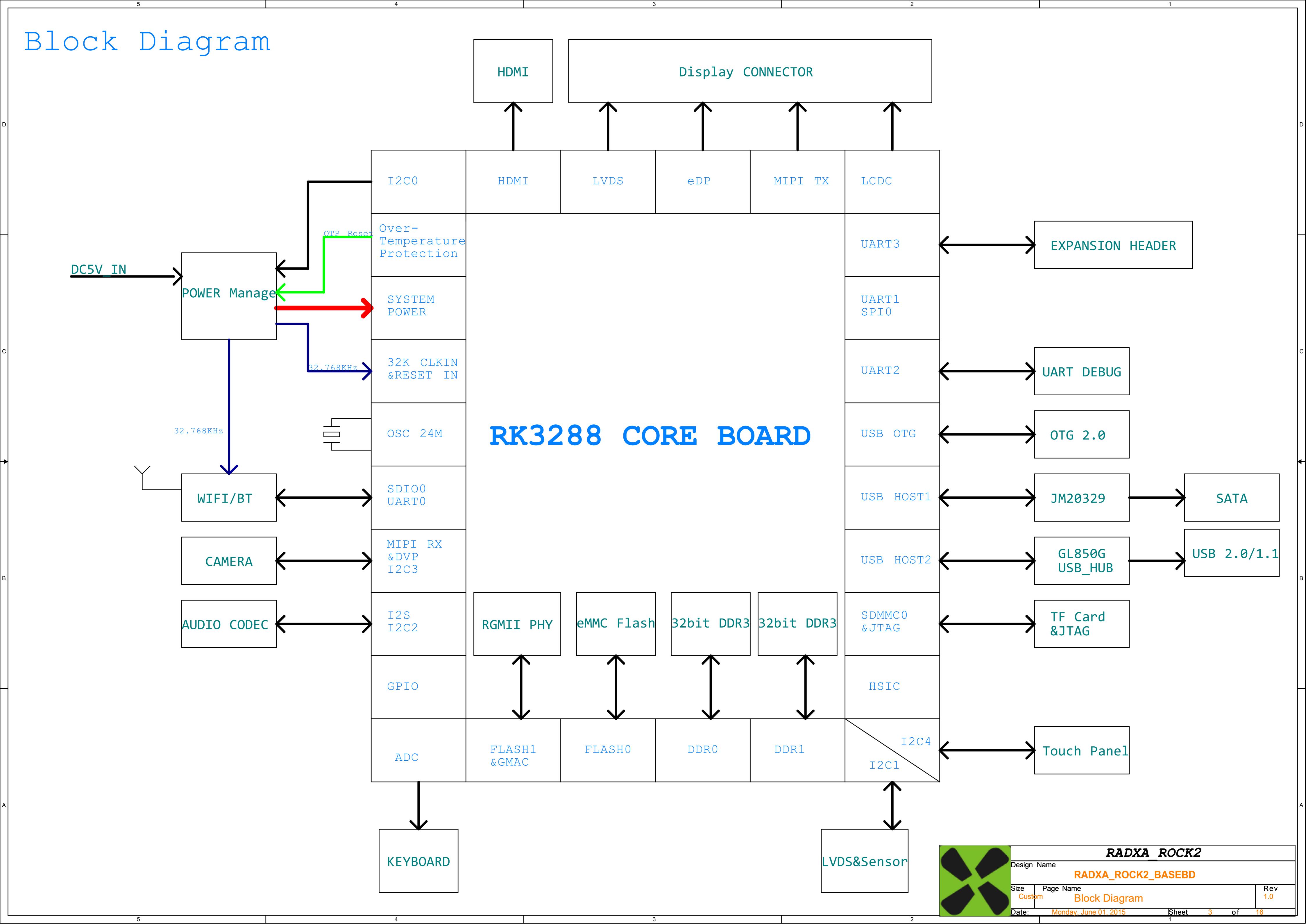
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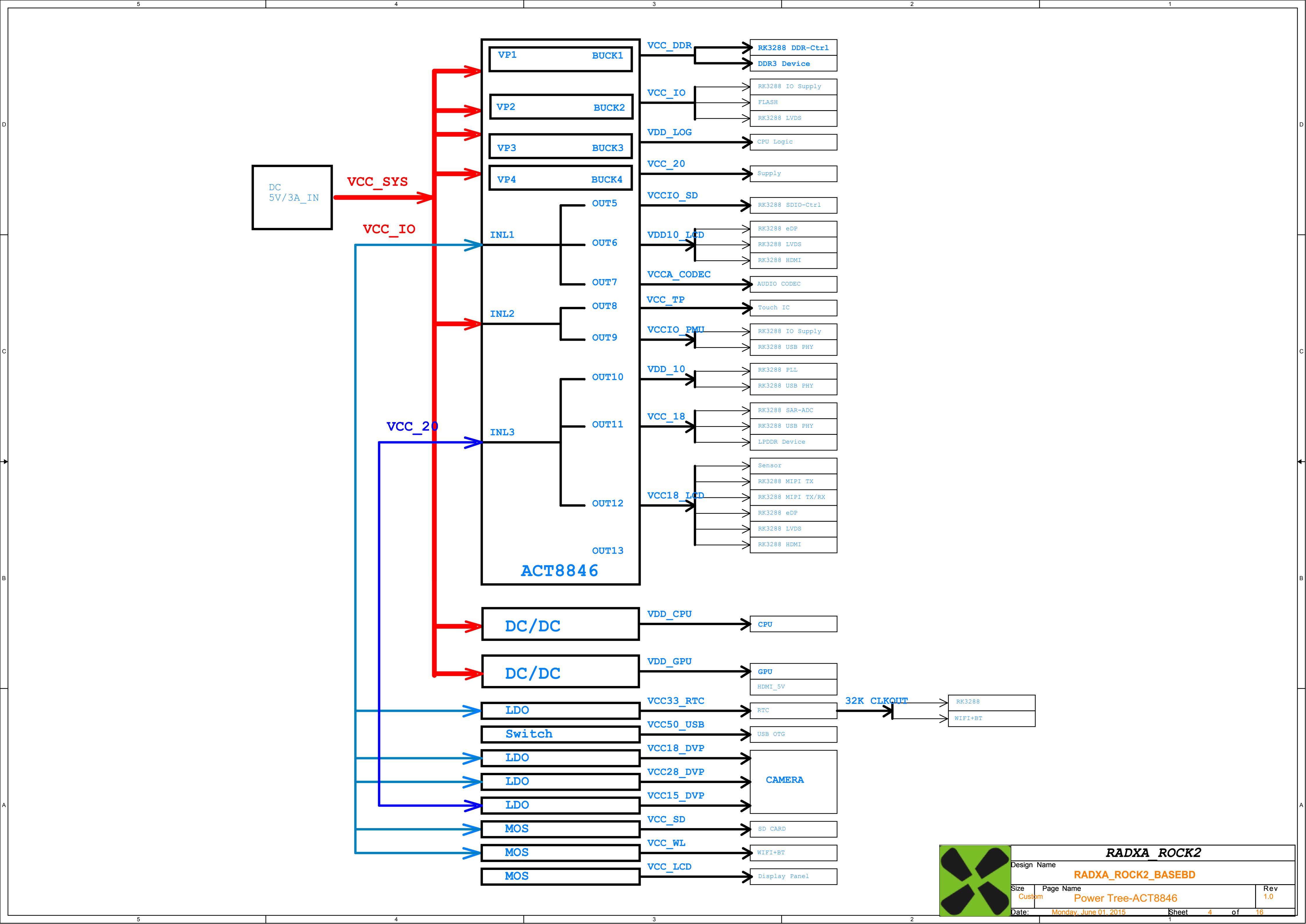
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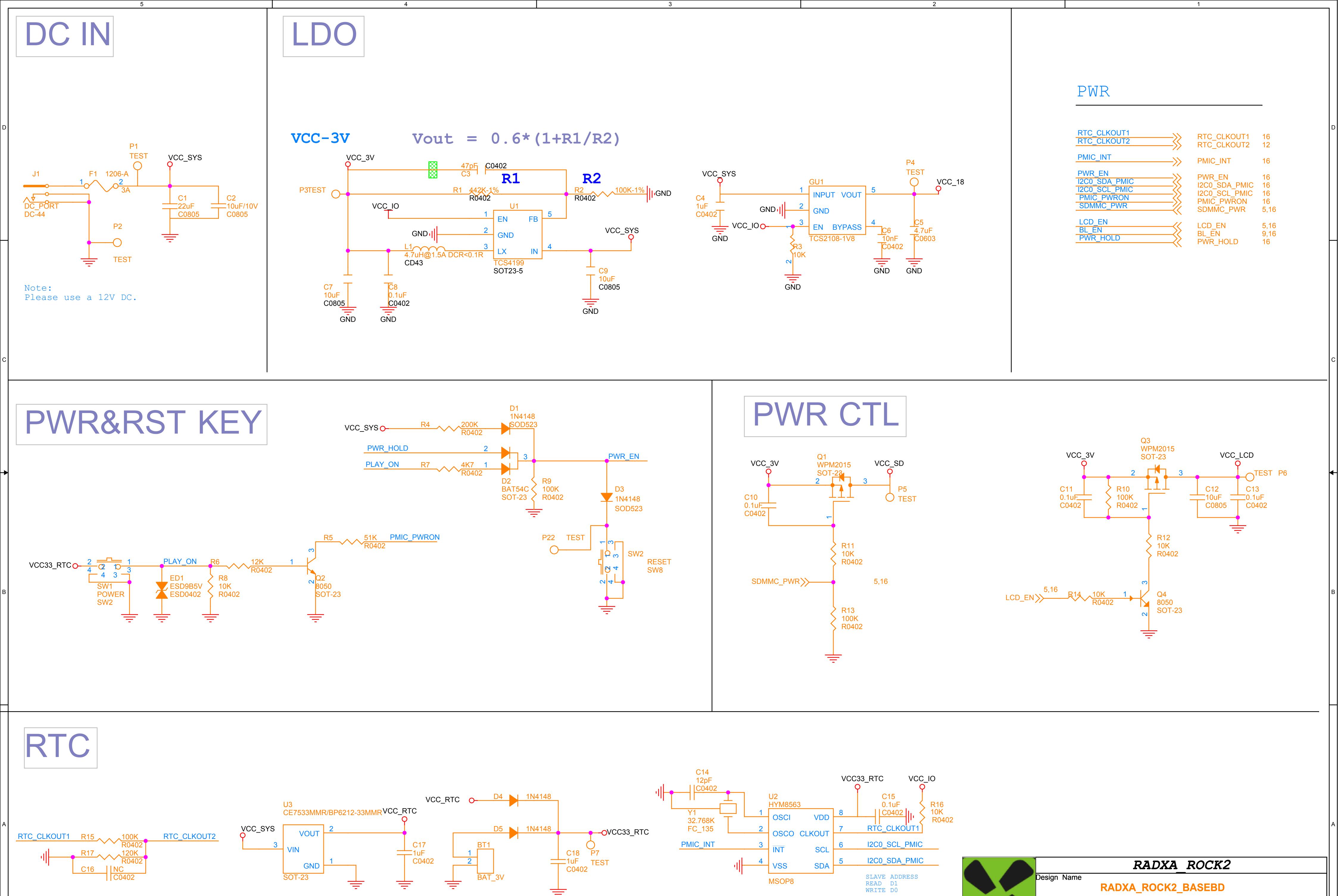
Date: Monday, June 01, 2015 Sheet 1 of 16

Δ



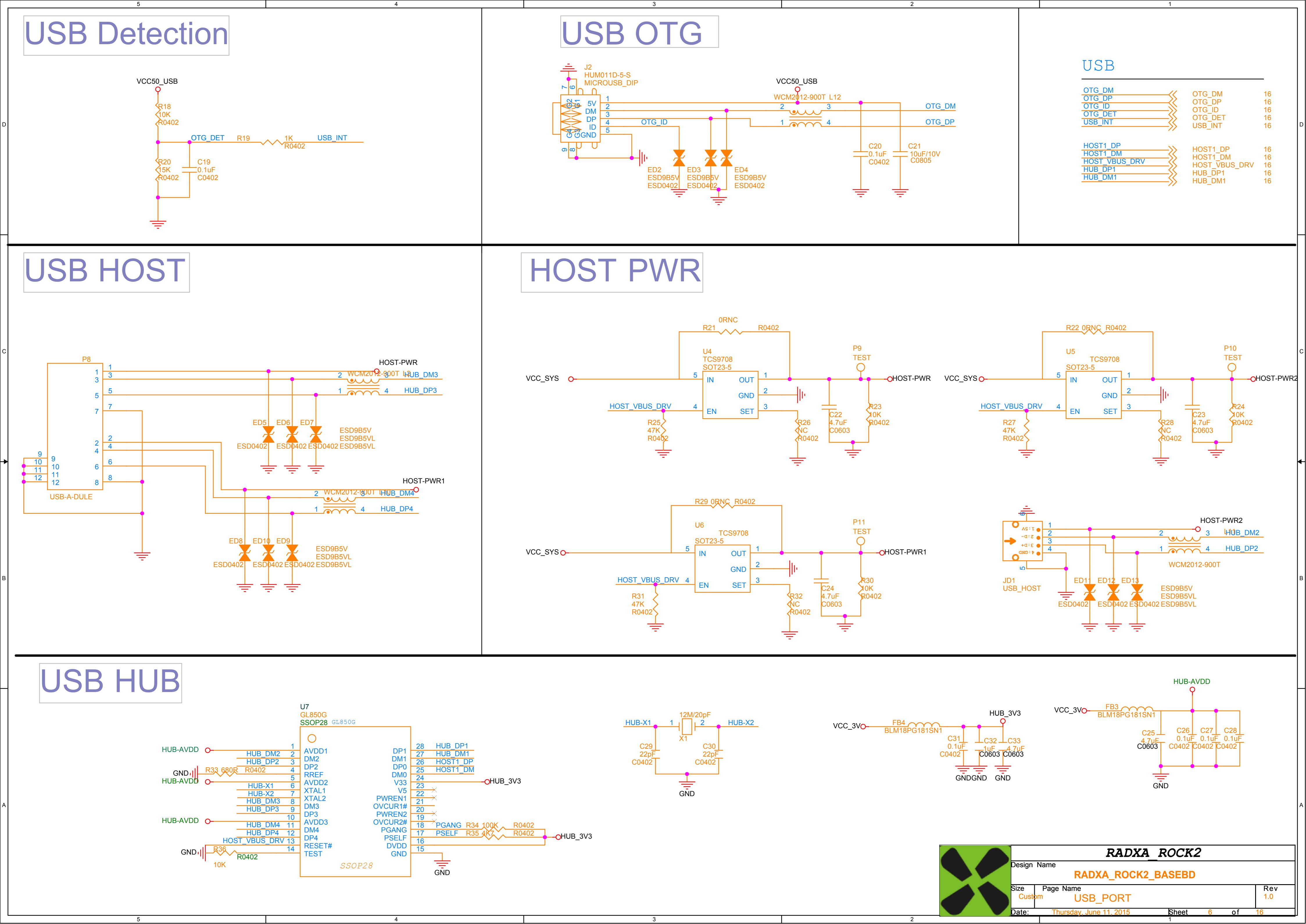




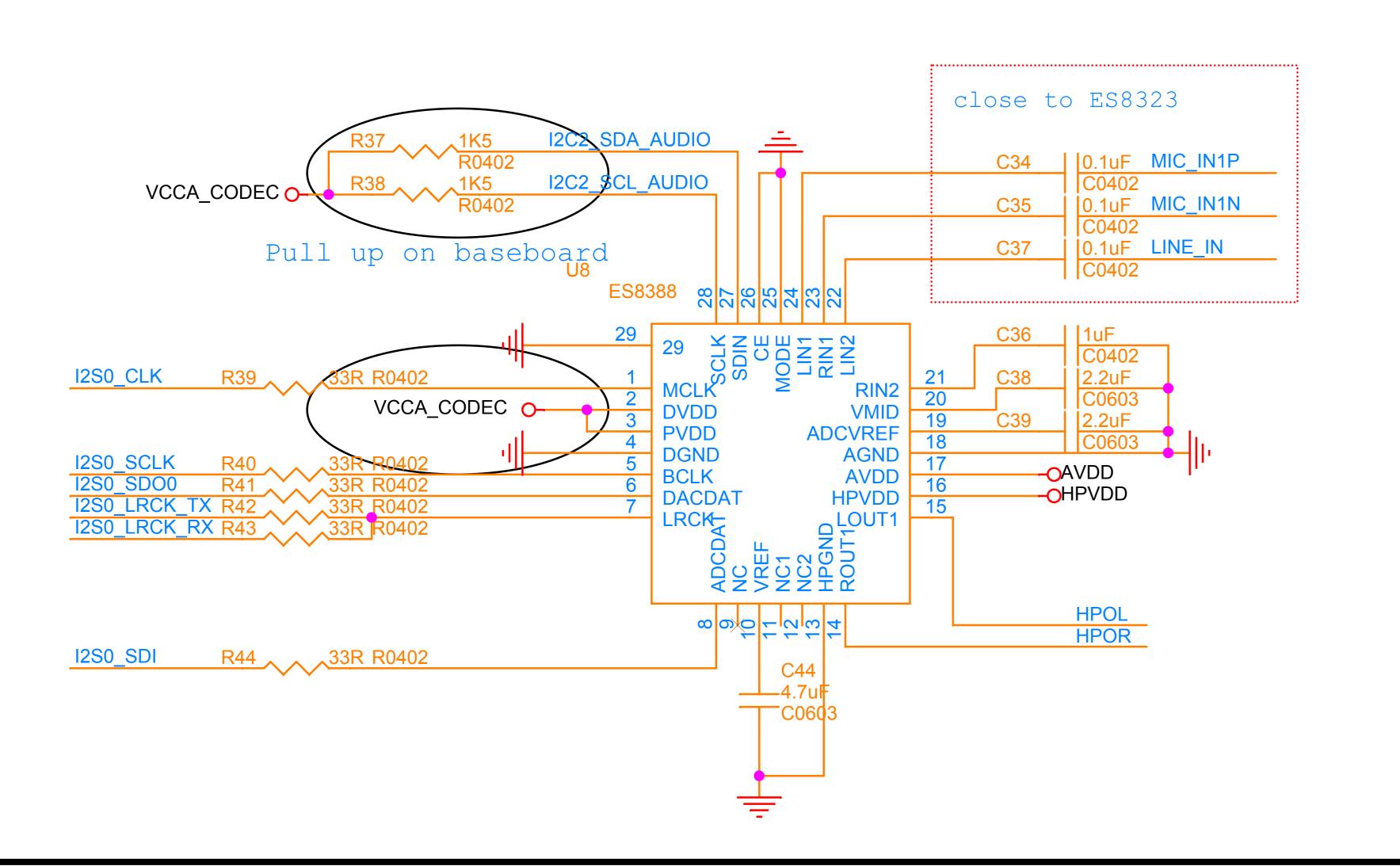


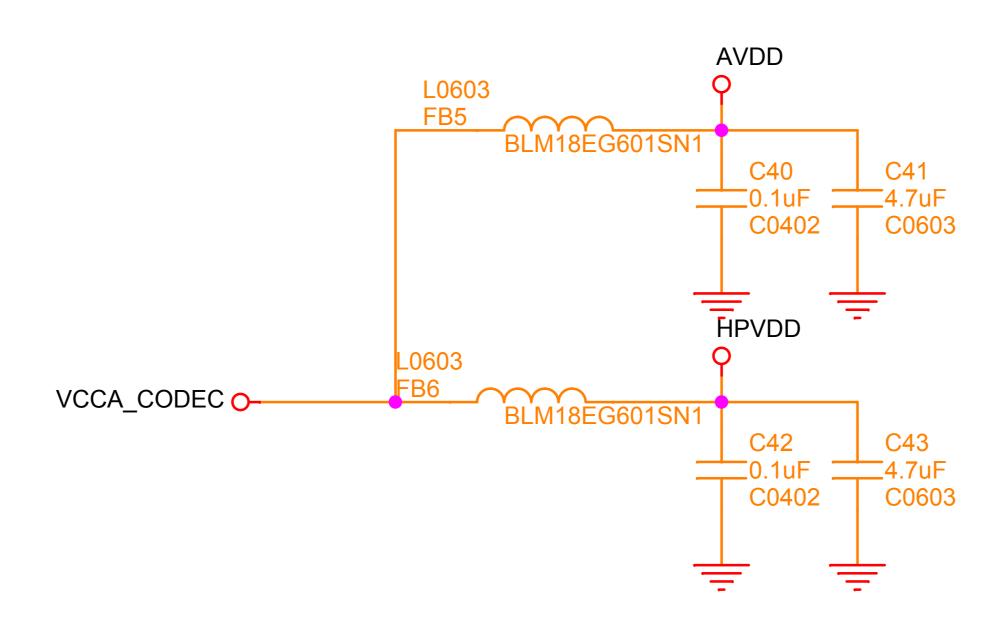
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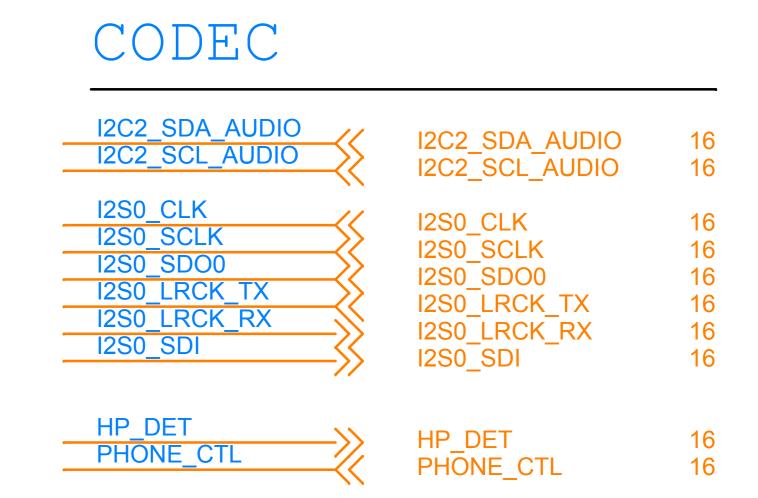
Power-ACT8846_2CELL



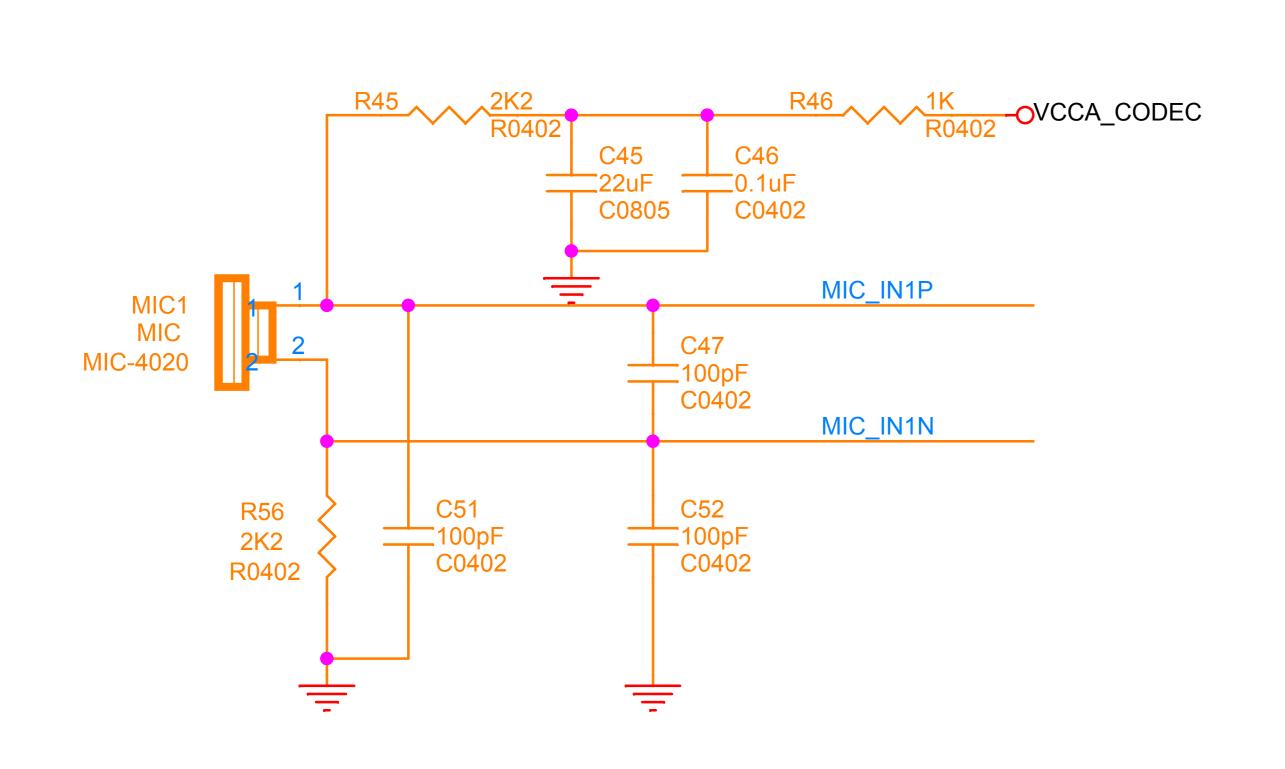
CODEC



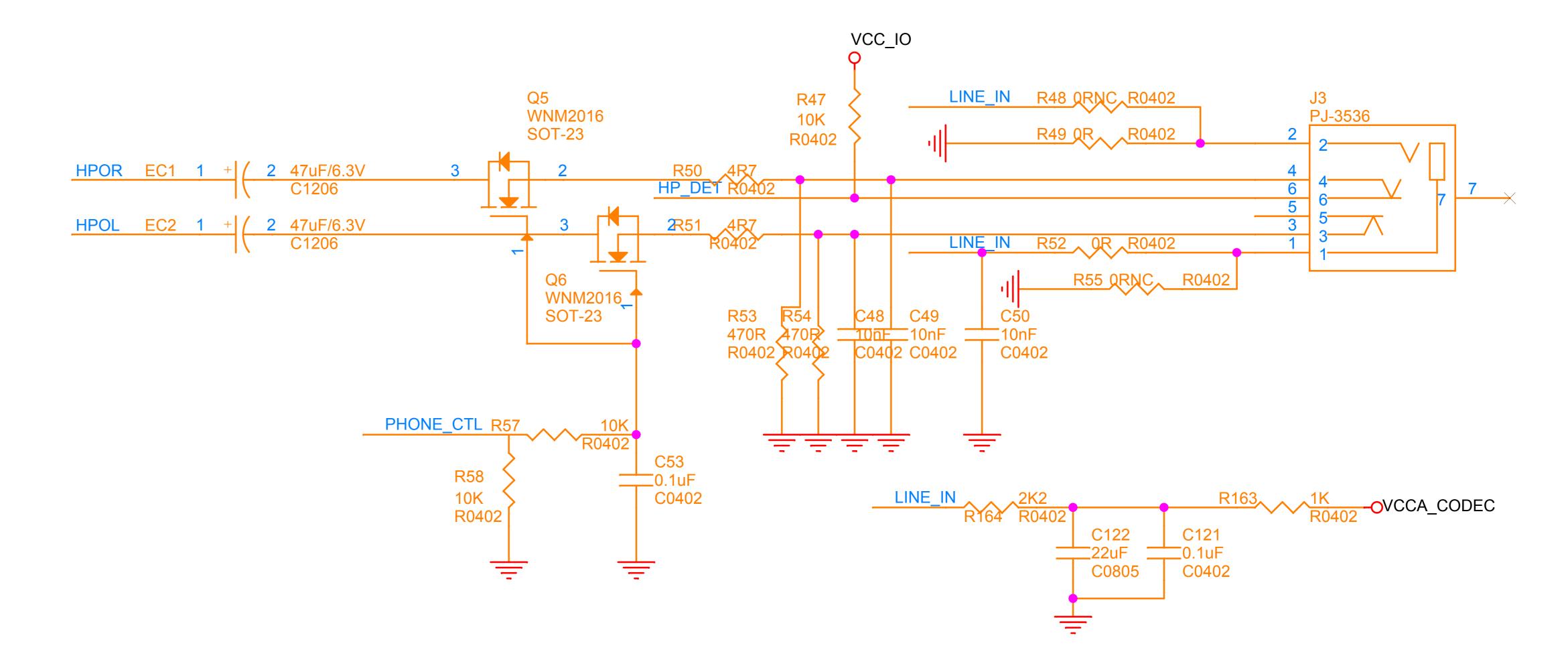


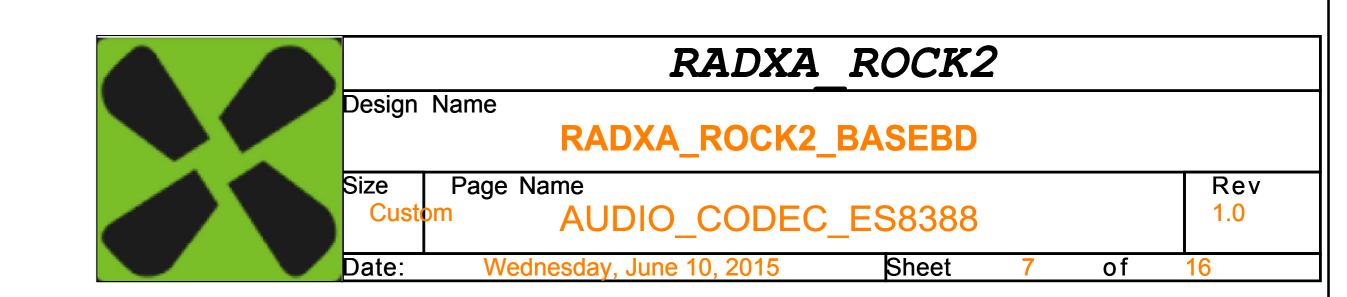


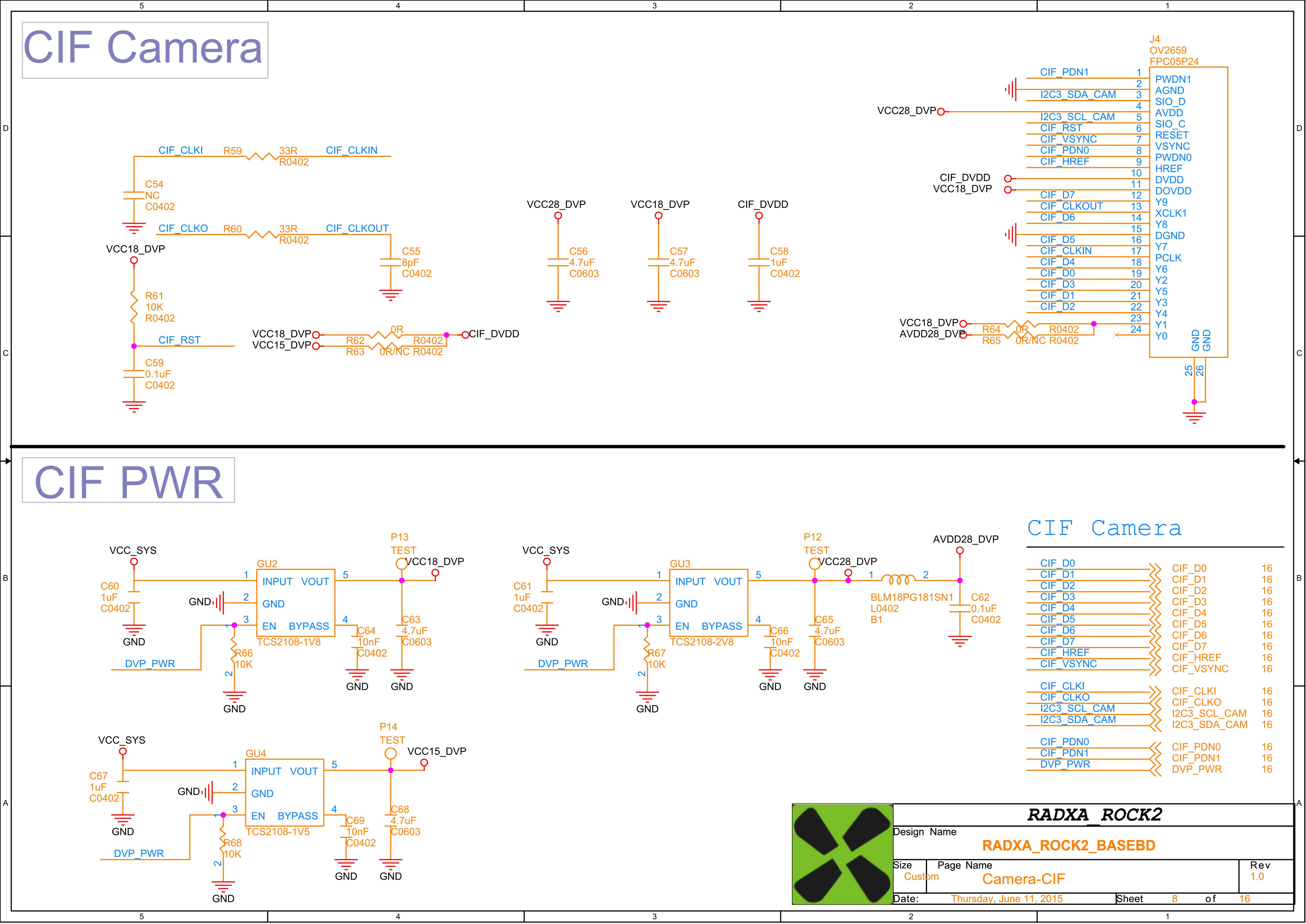
MIC

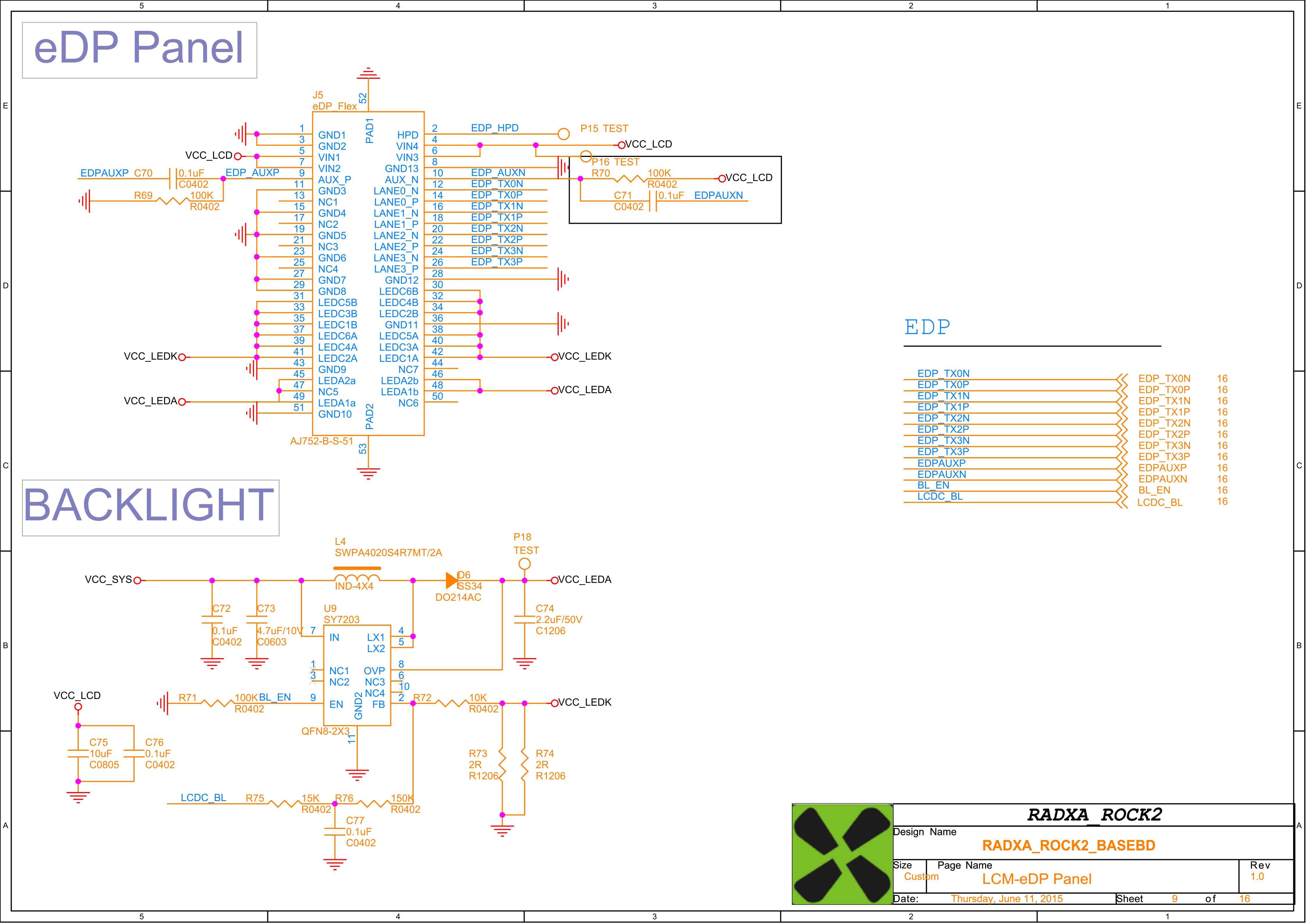


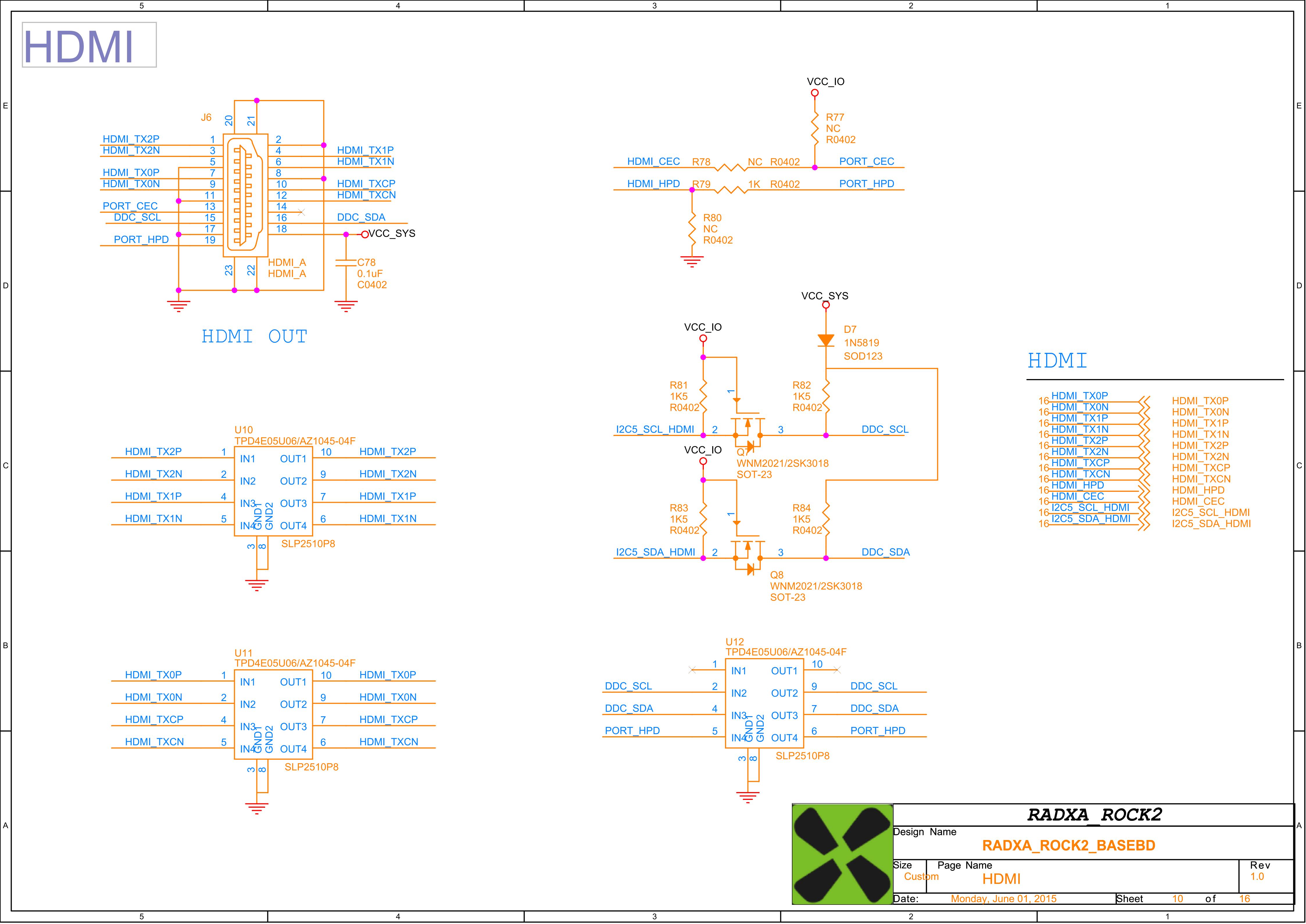
EARPHONE



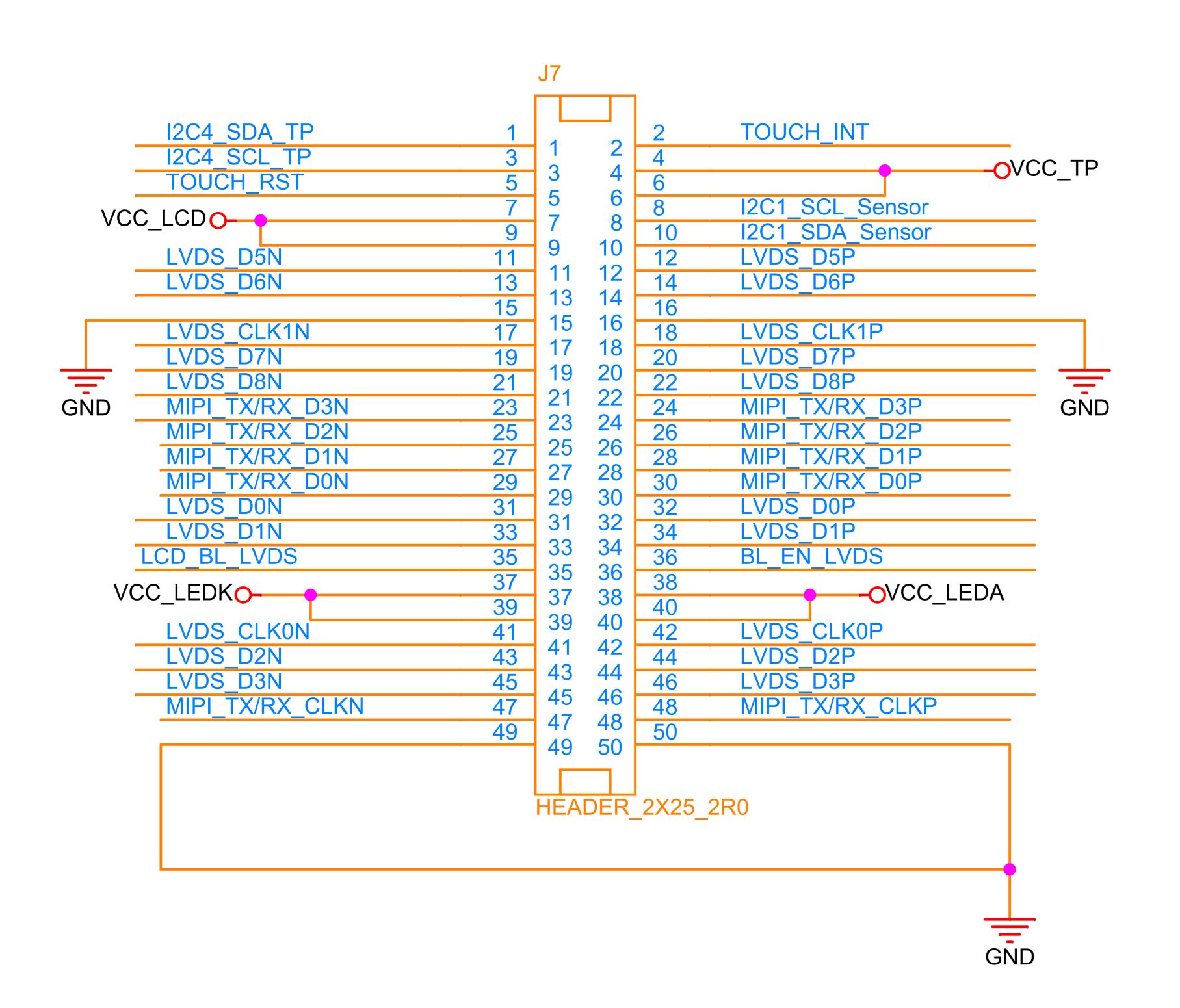




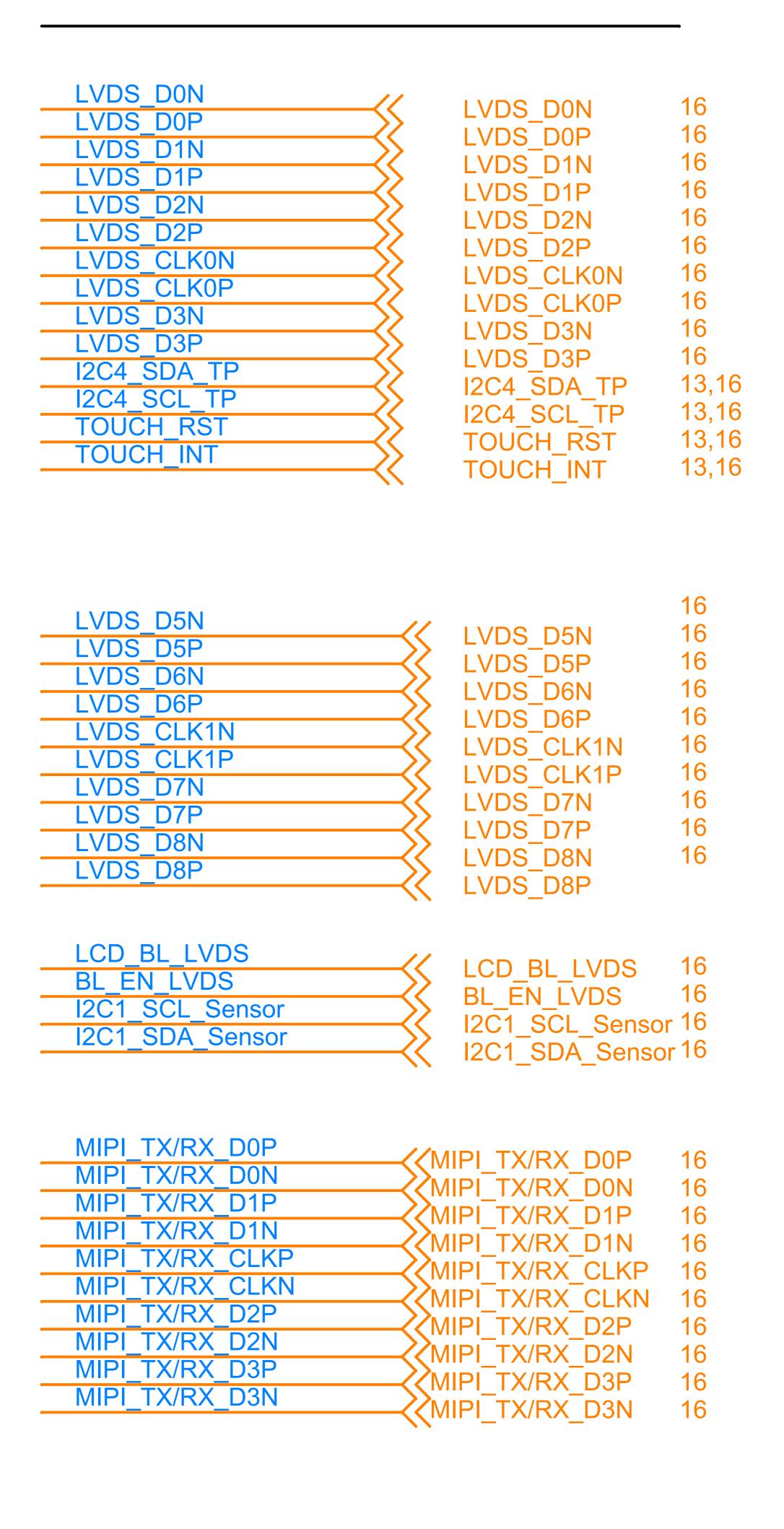


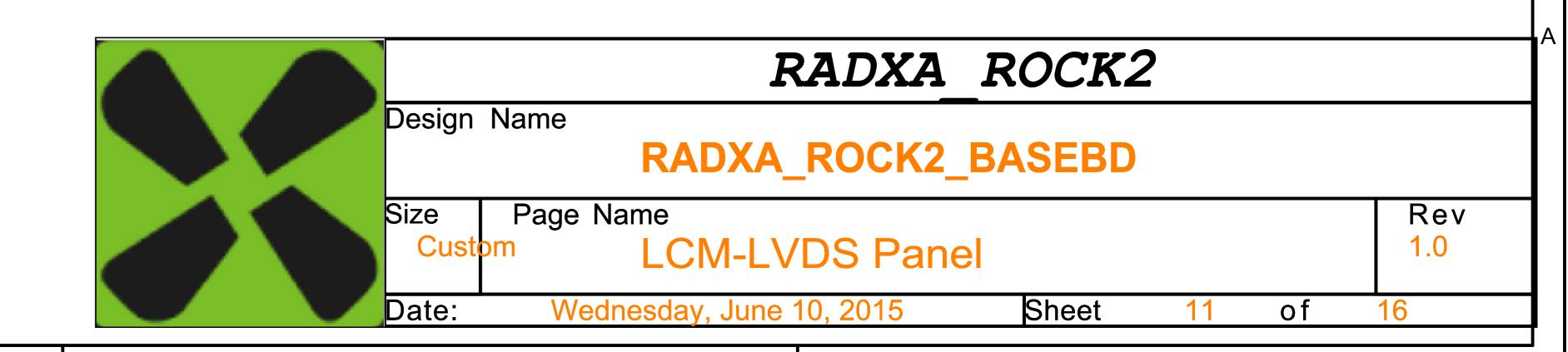


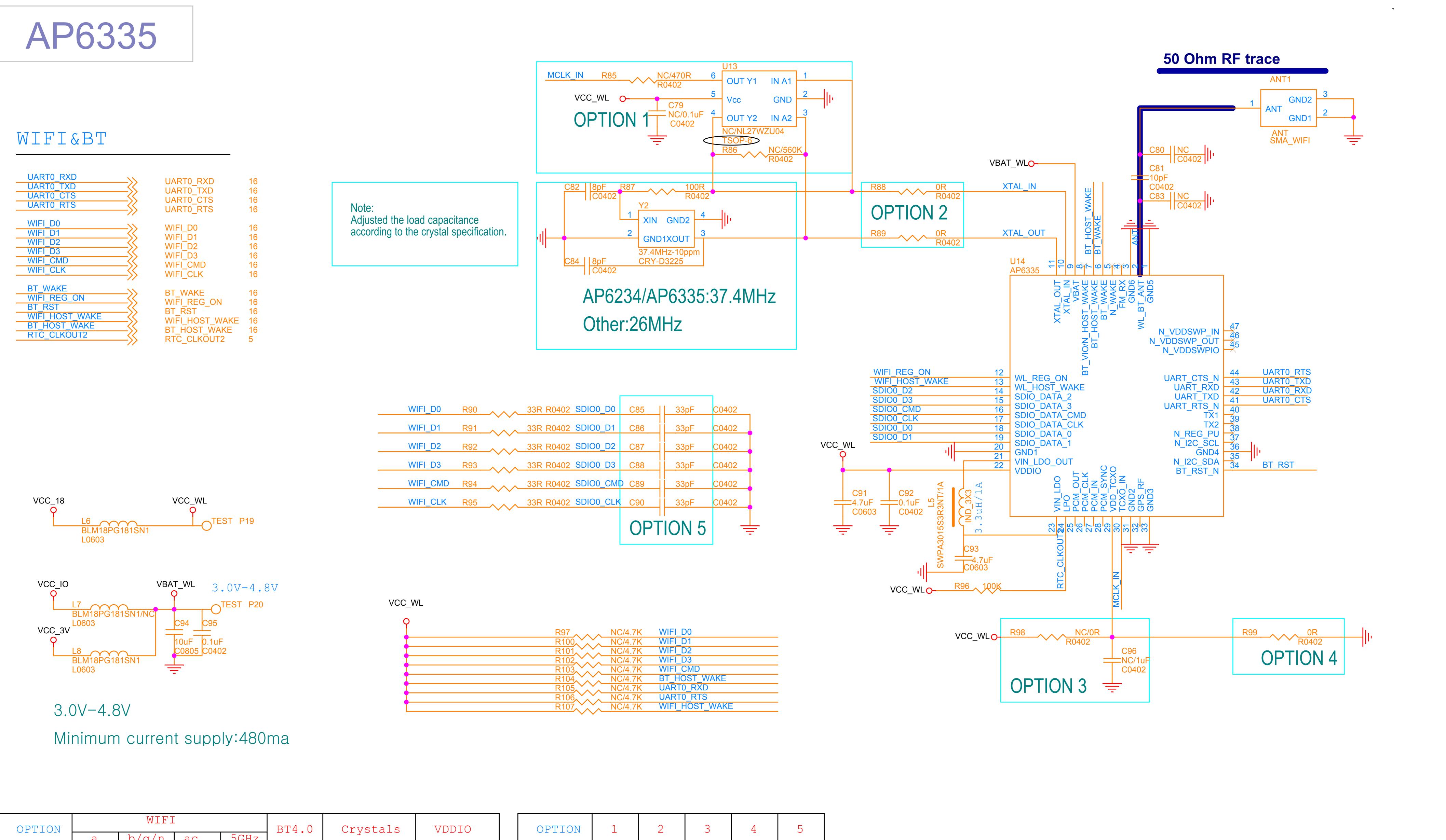
LVDS Panel



LVDS&MIPI



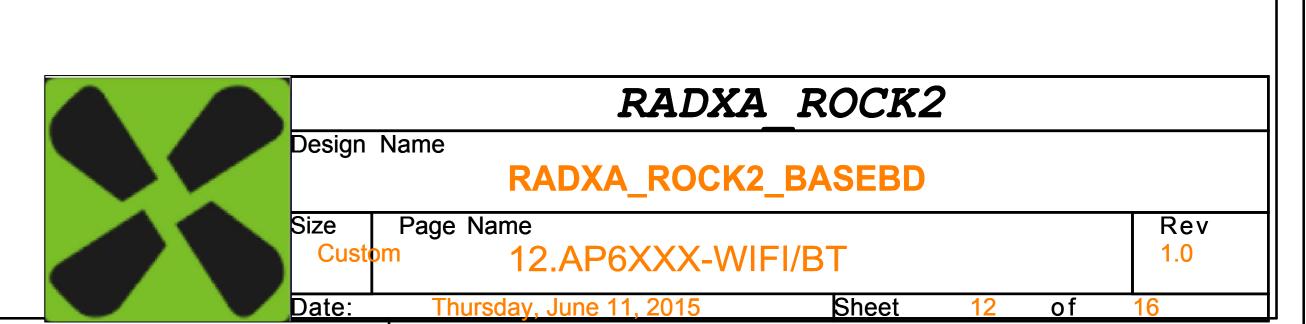




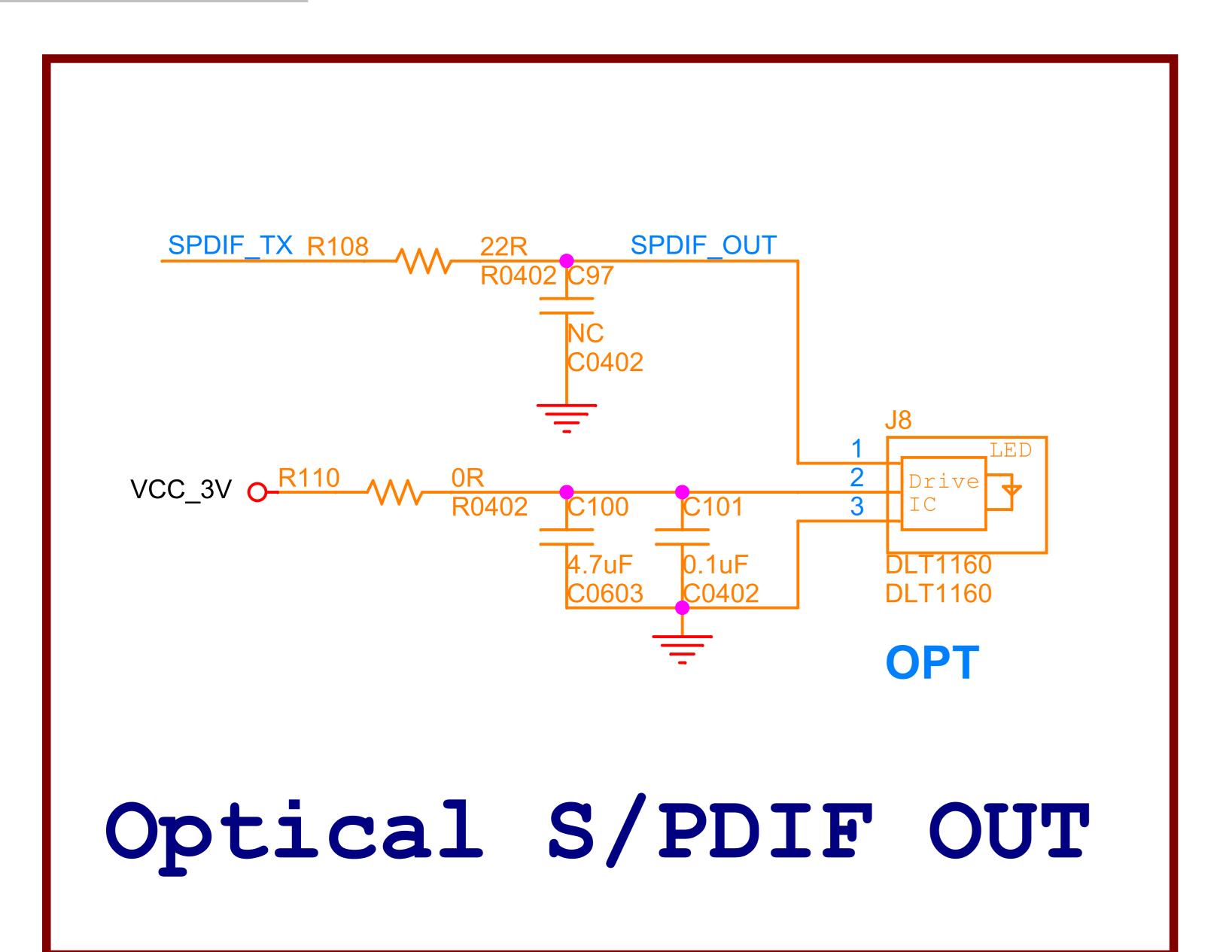
OPTION	WIFI				BT4.0	Crystals	VDDIO
	a	b/g/n	ac	5GHz	D11•0	Orybearb	VDDIO
AP6181		Yes				26MHz	1.71-3.6V
AP6210		Yes			Yes	26MHz	1.71-3.6V
AP6234	Yes	Yes		Yes	Yes	37.4MHz	1.6-3.4V
AP6330	Yes	Yes		Yes	Yes	26MHz	1.2-2.9V
AP6335 (Default)	Yes	Yes	Yes	Yes	Yes	37.4MHz	1.71-3.63V

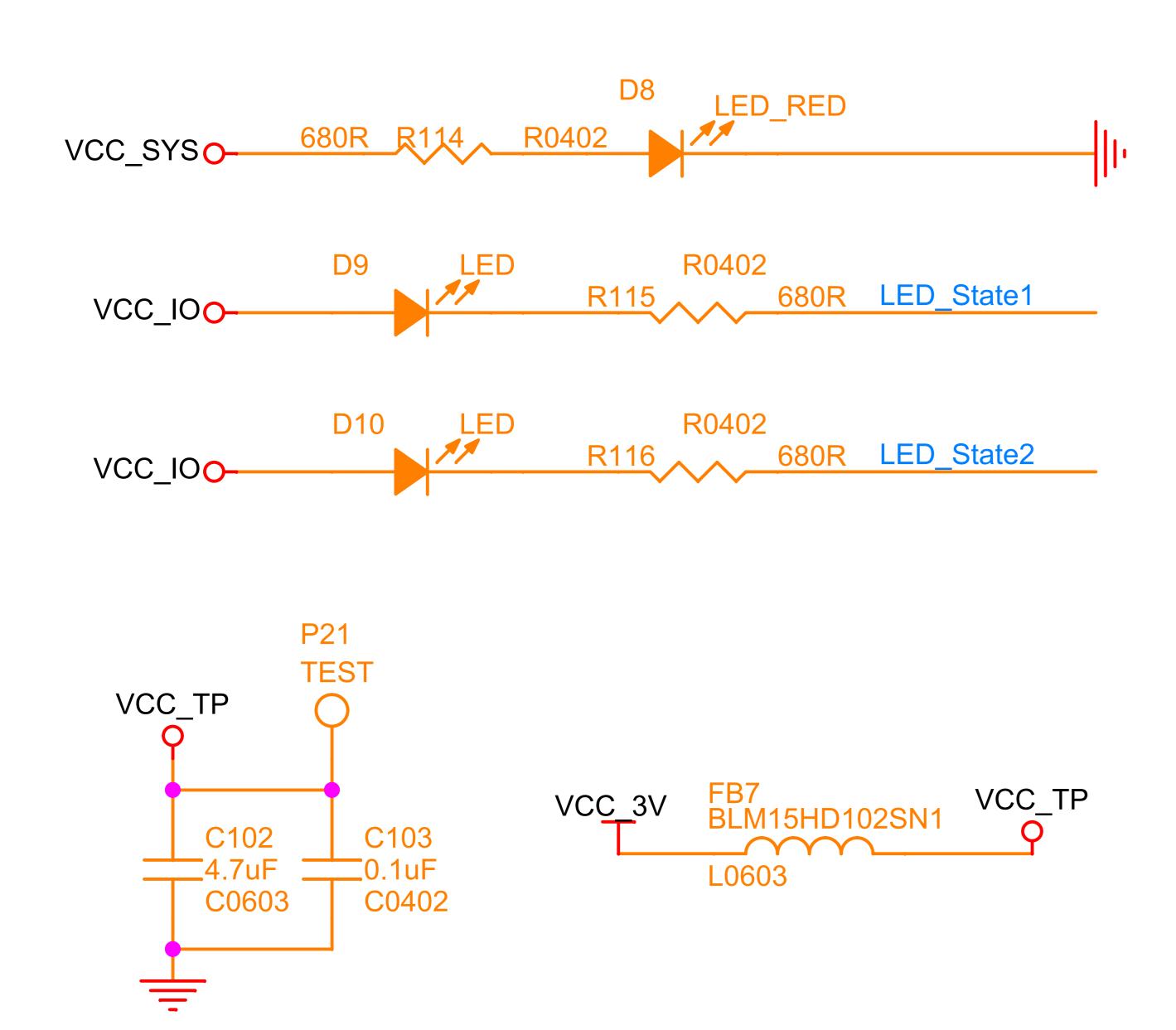
OPTION	1	2	3	4	5
AP6181	No	Yes	No	No	No
AP6210	Yes	No	Yes	No	No
AP6234	No	Yes	No	No	No
AP6330	No	Yes	No	No	No
AP6335 (Default)	No	Yes	No	Yes	Yes

Note:
Yes:Components need to patch
No:Components not patch

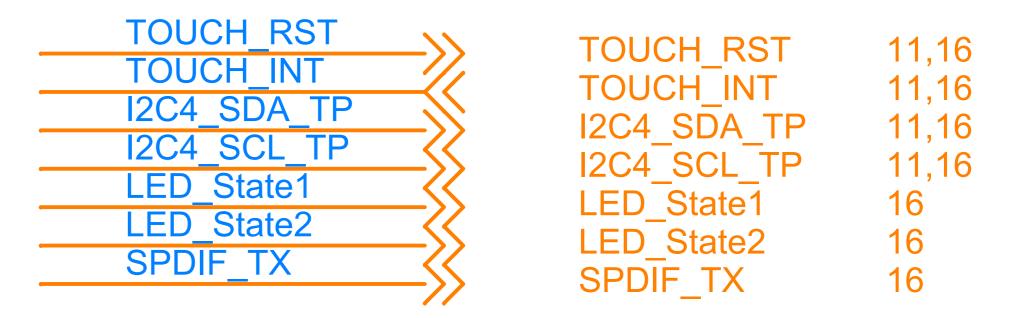


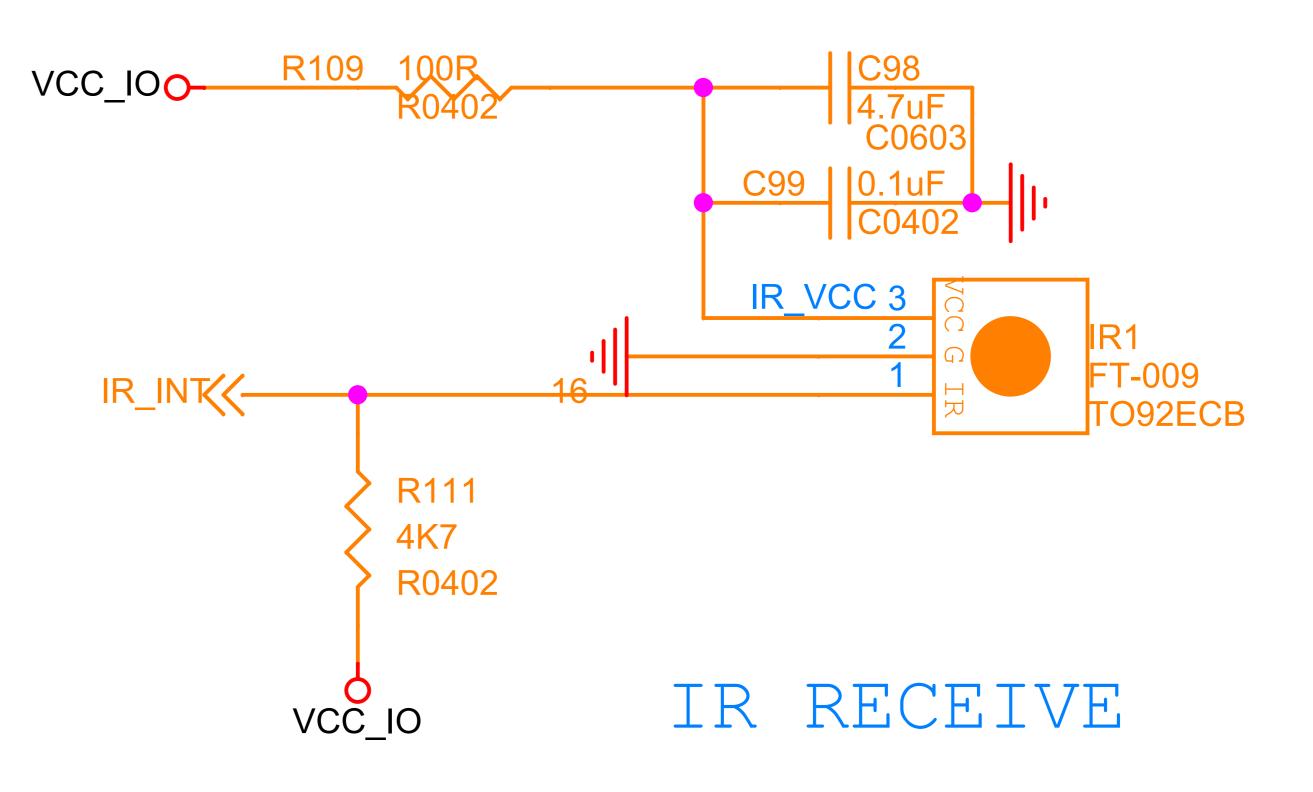




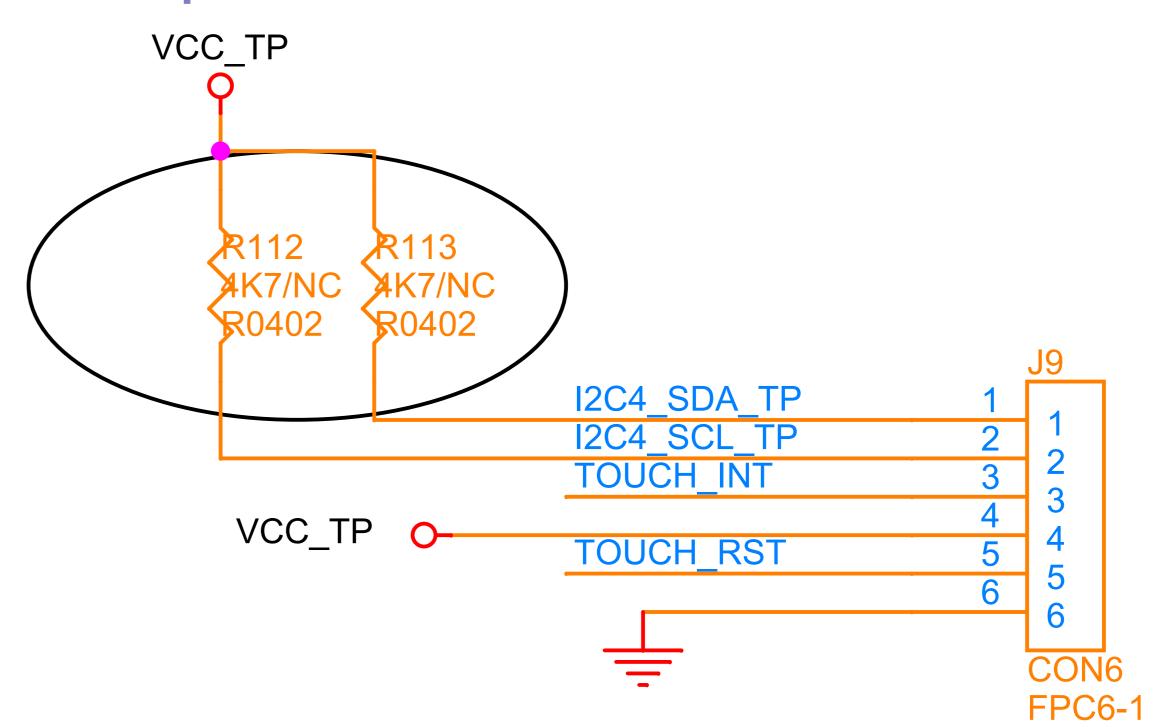


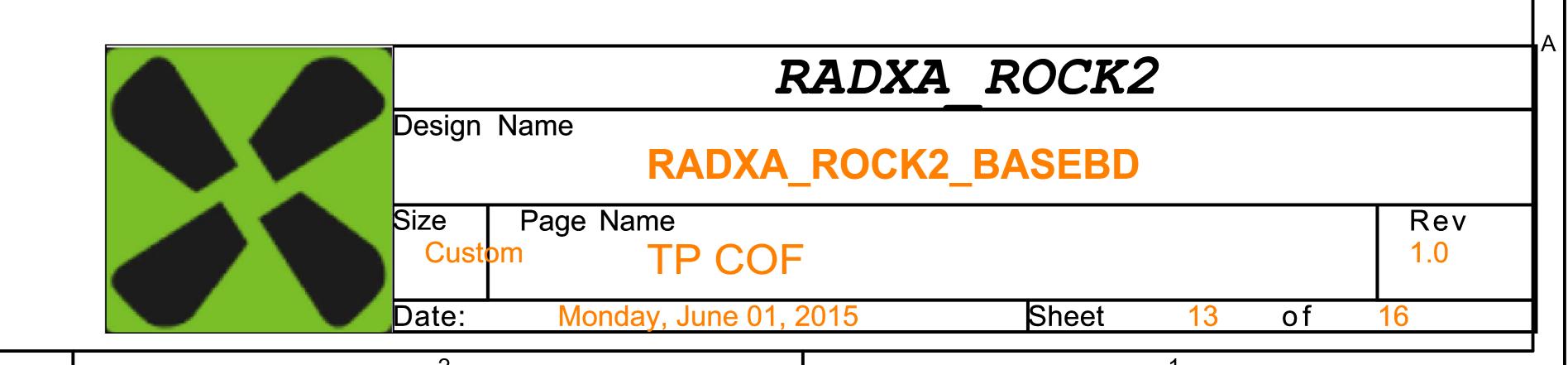
ΤP

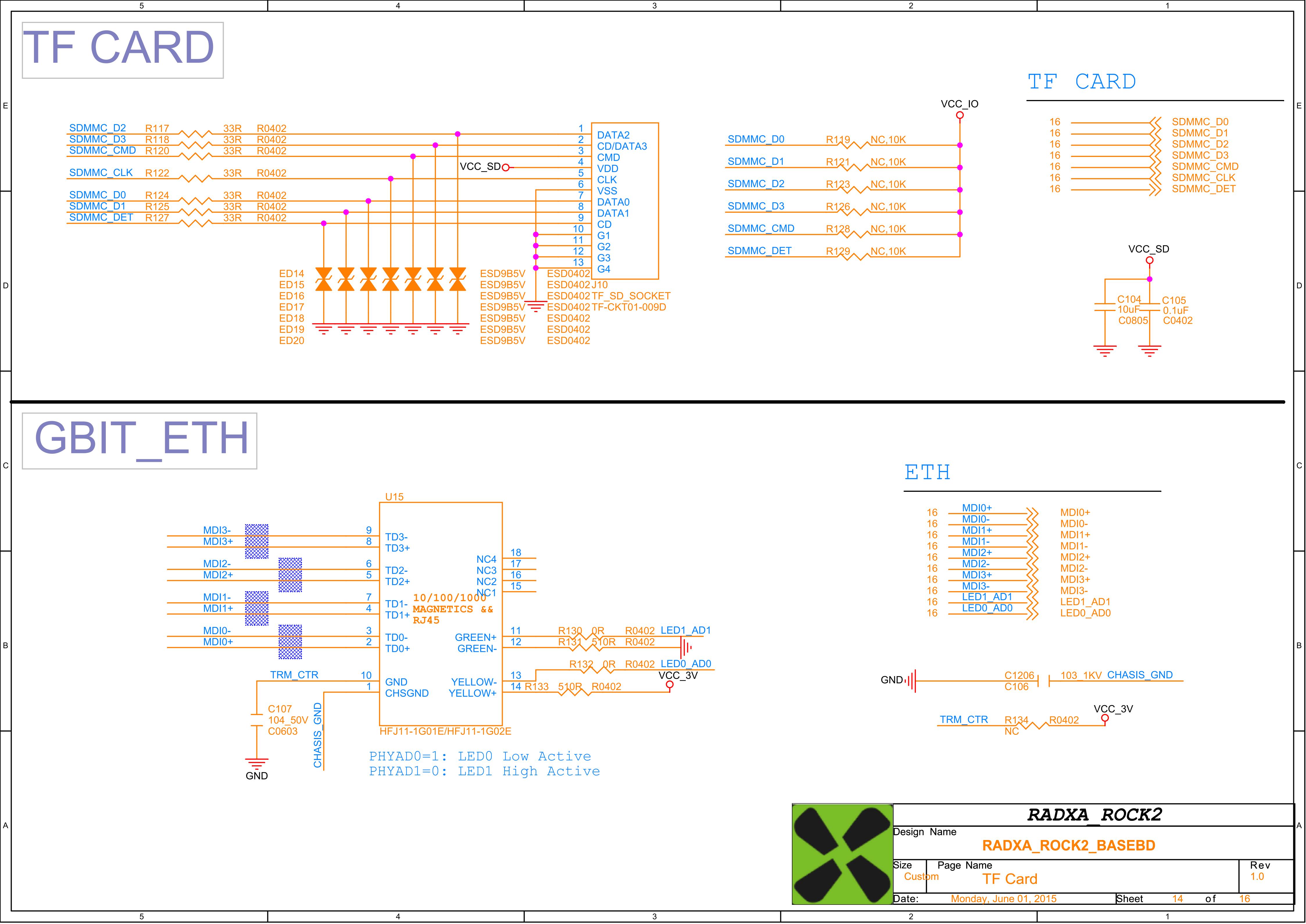




Pull up on the coreboard

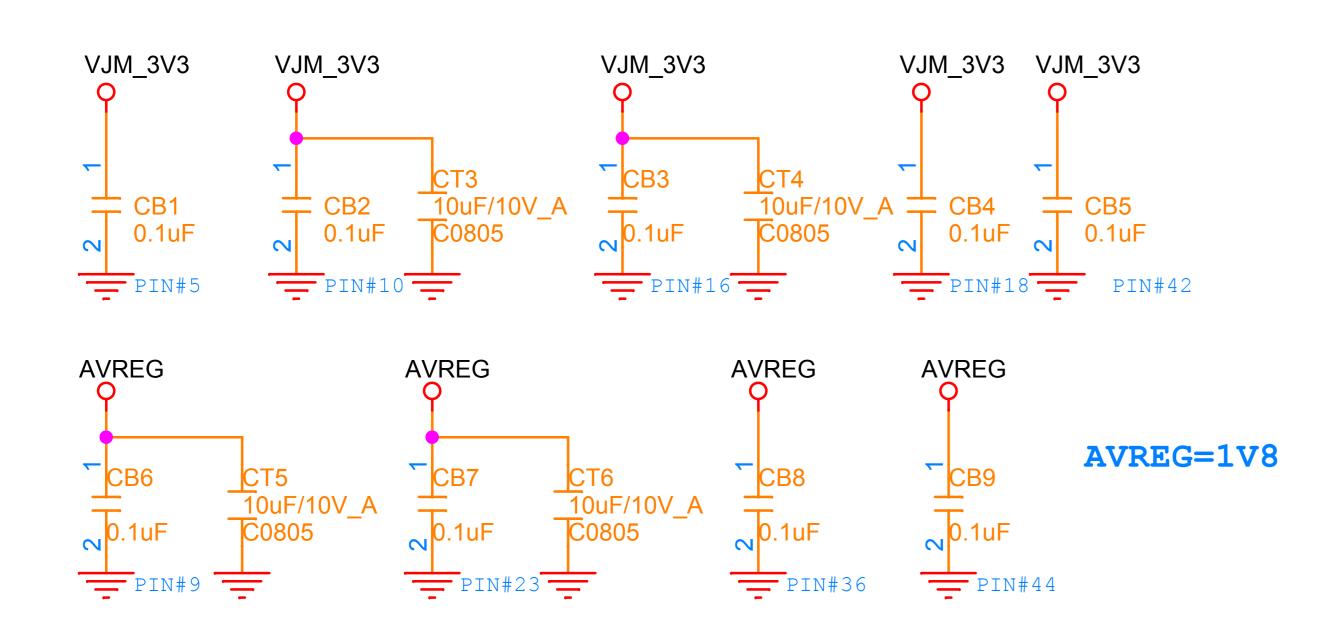




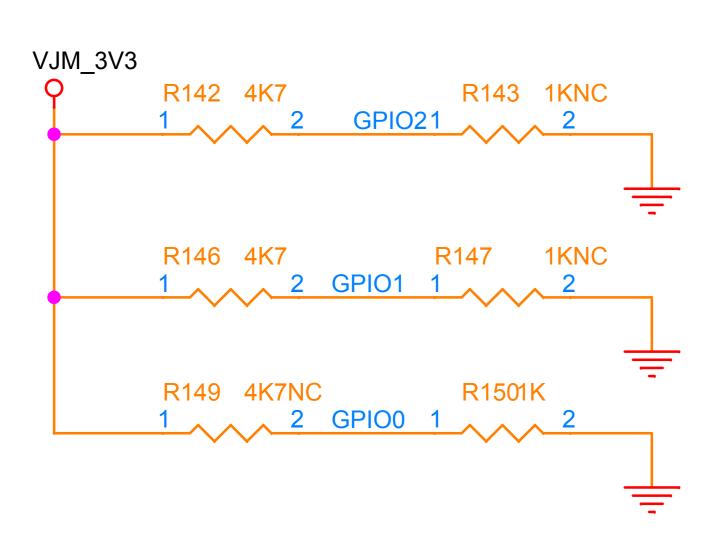


JM20329





Option function : Switch circuit



One touch backup If there aren't switch circuit don't use GPIOO(SW3) care R_SET2,R8 and R_SET4

GPIO2

R_SET1(4K7)
R_SET2 (1K) Power On Detection Sequence.

1-2 (PD)
2-3 (PU)
0: Enable USB before detecting attached device.
1: Enable USB after detecting attached device.

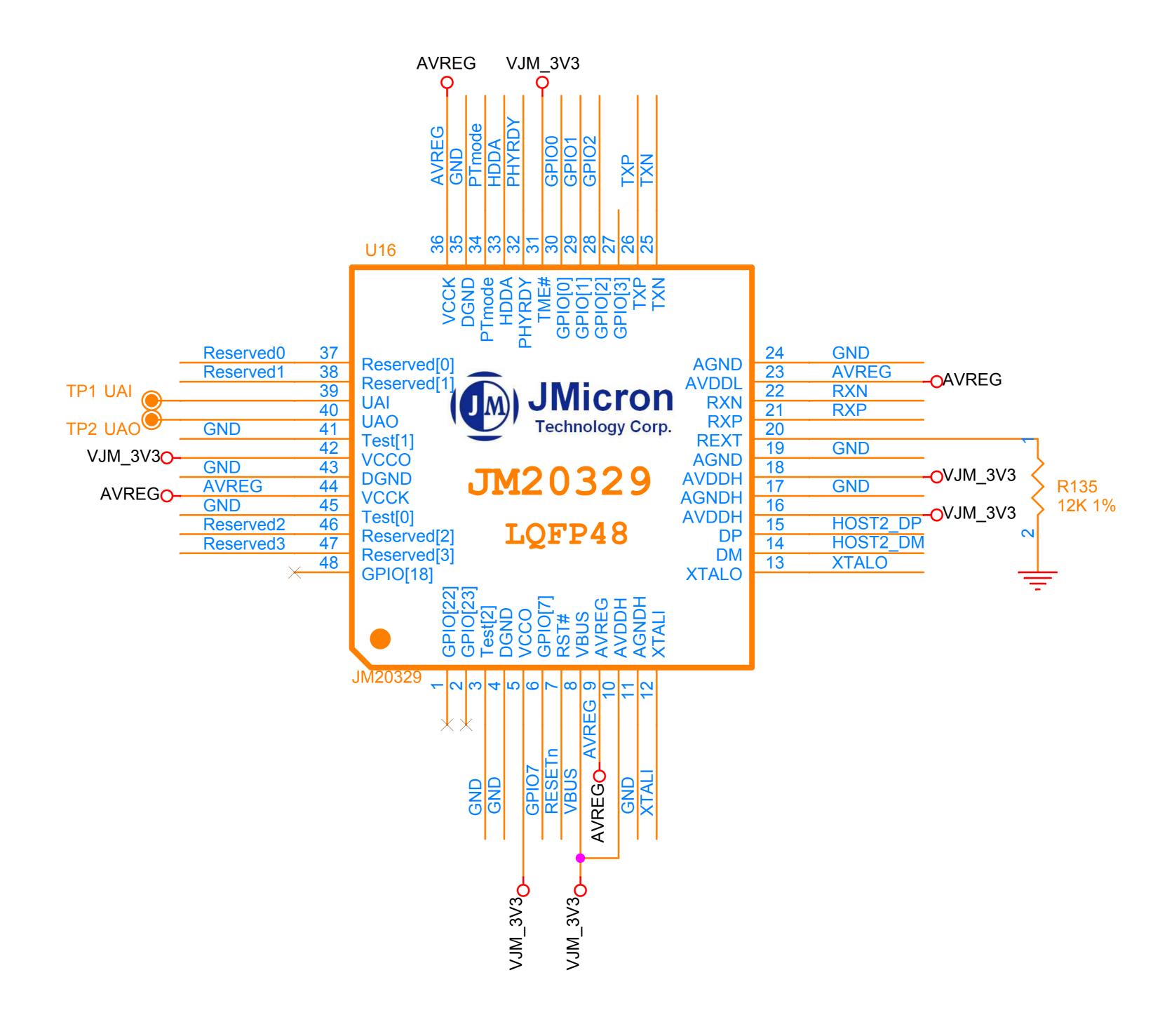
Defult GPIO2 Pull High

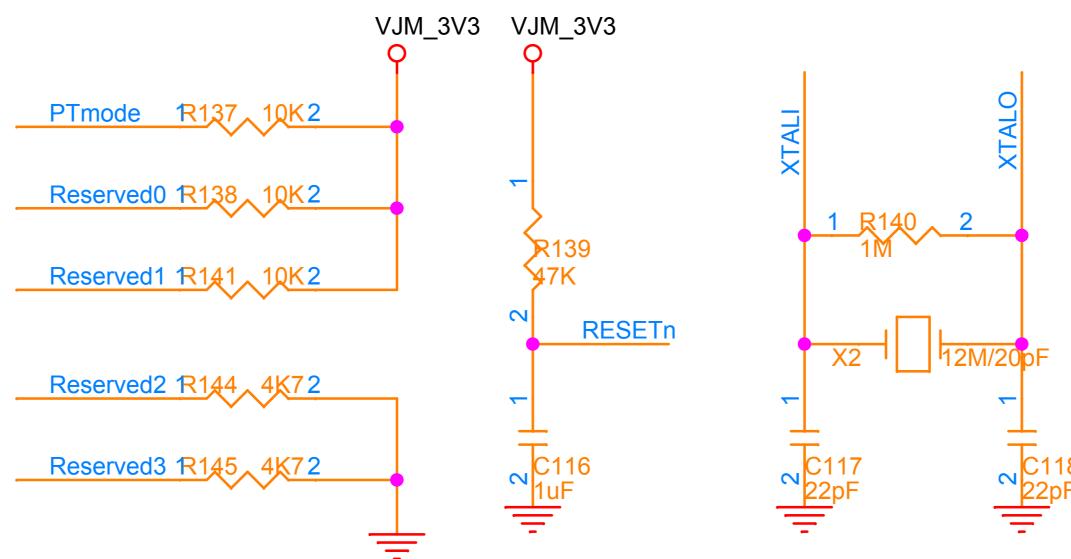
GPIOO

R_SET3(4K7)
1-2 (PD)
2-3 (PU)
1-2 (PD)
2-3 (PD)
1-2 (PD)

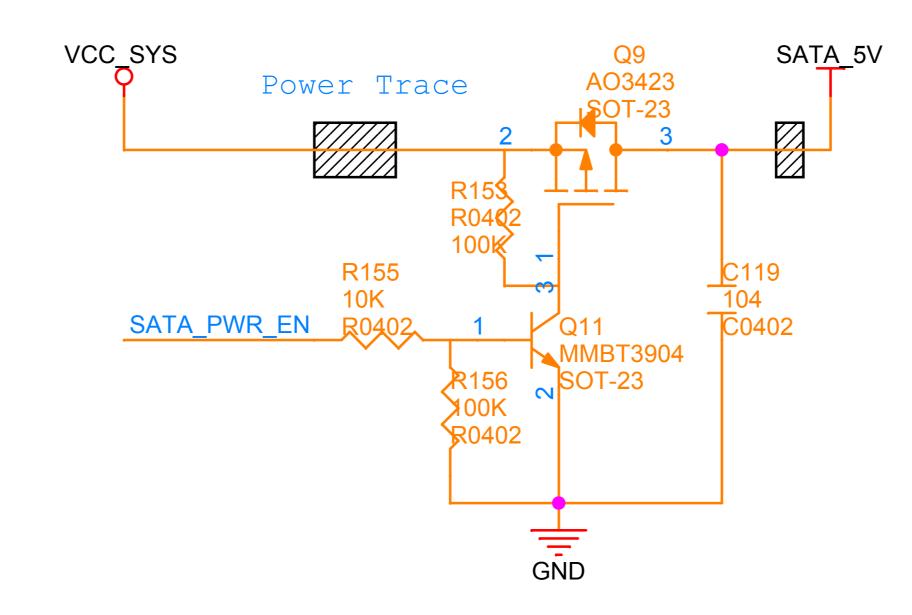
R_SET4(1K)
GPIOO ATA power down mode
0: Enable
1: Disable

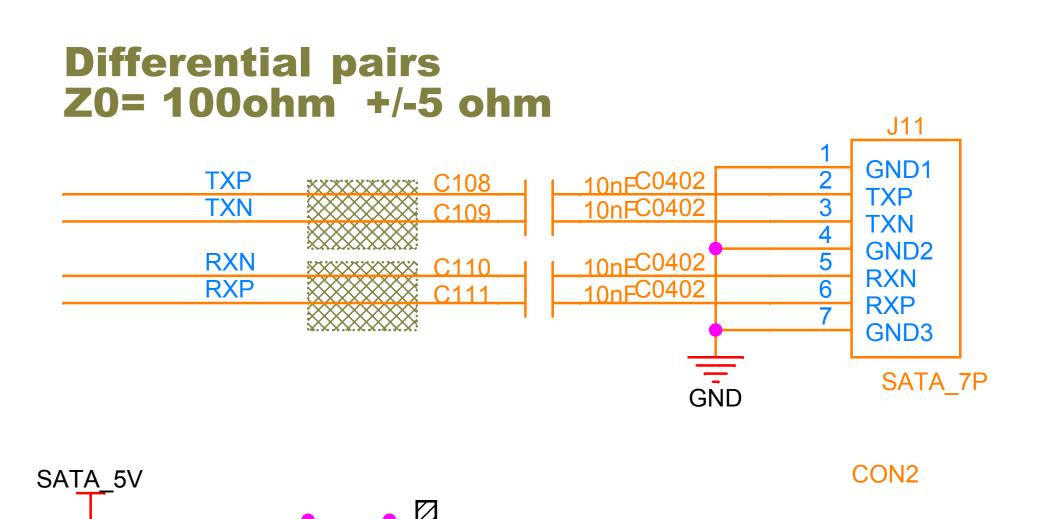
In ATA Power Down Mode, GPIOO should be pull-down.

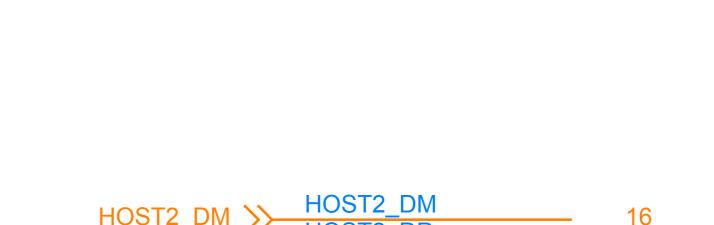


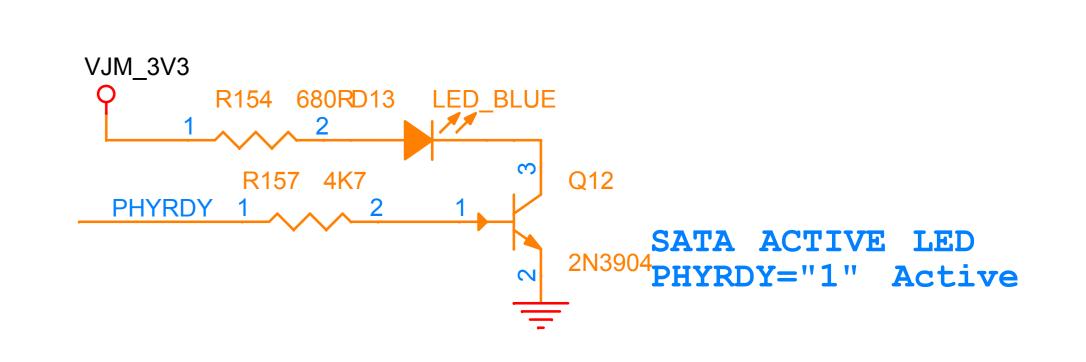


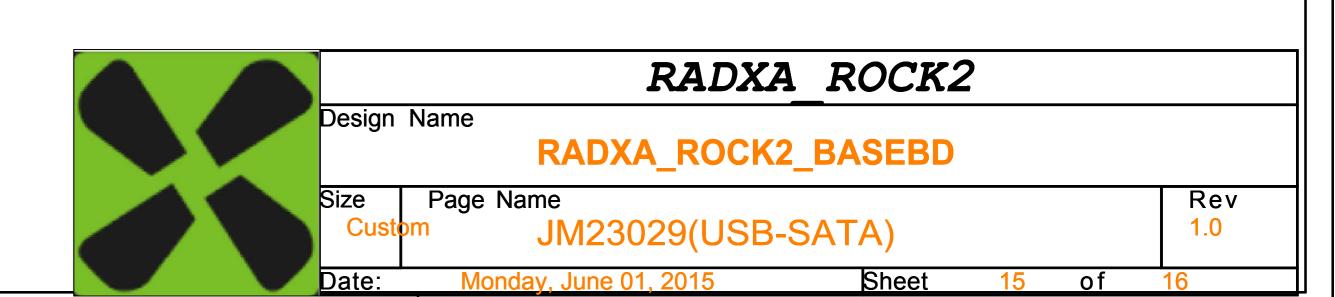
Option function :











MXM-CONNECTOR

