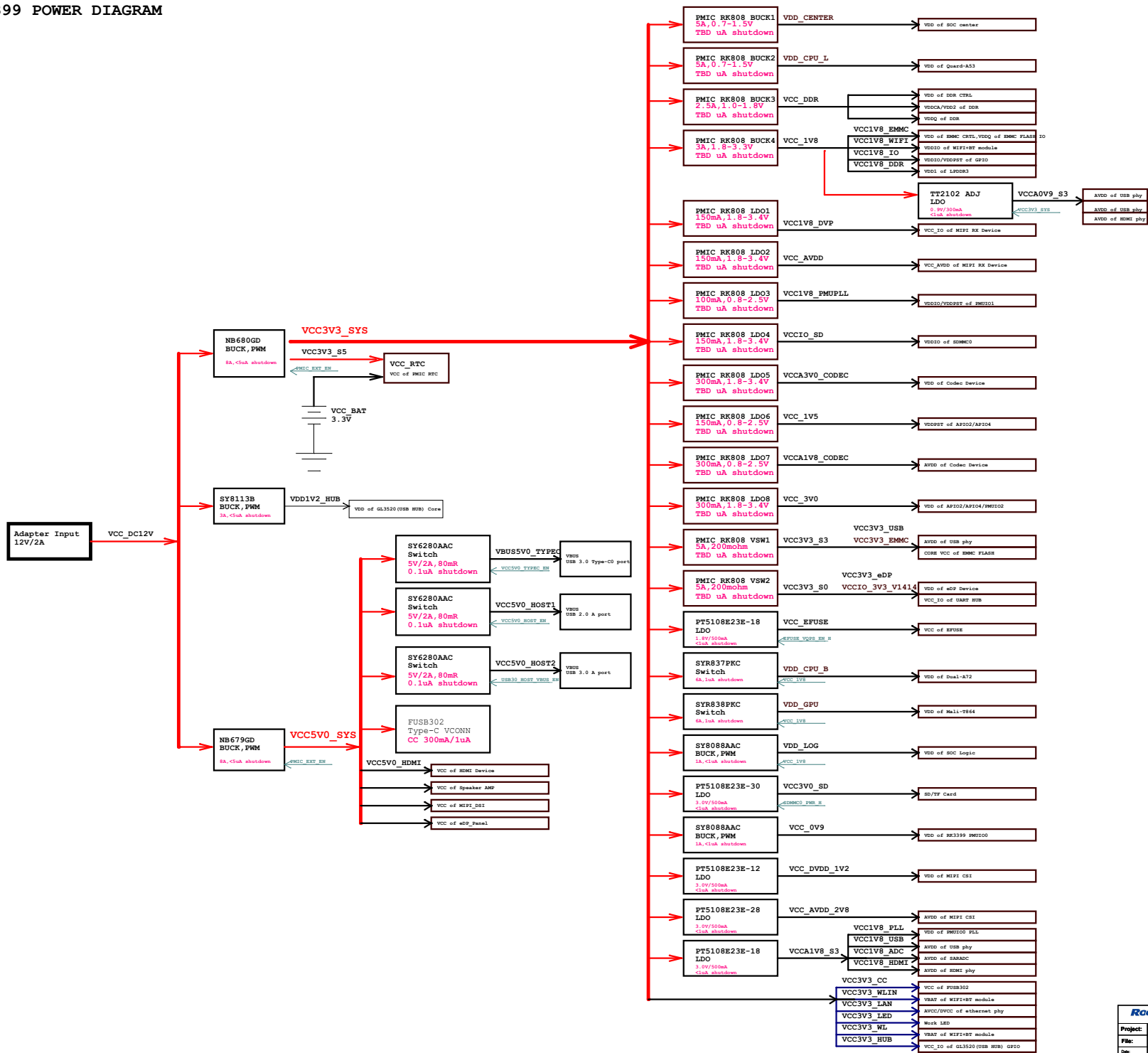


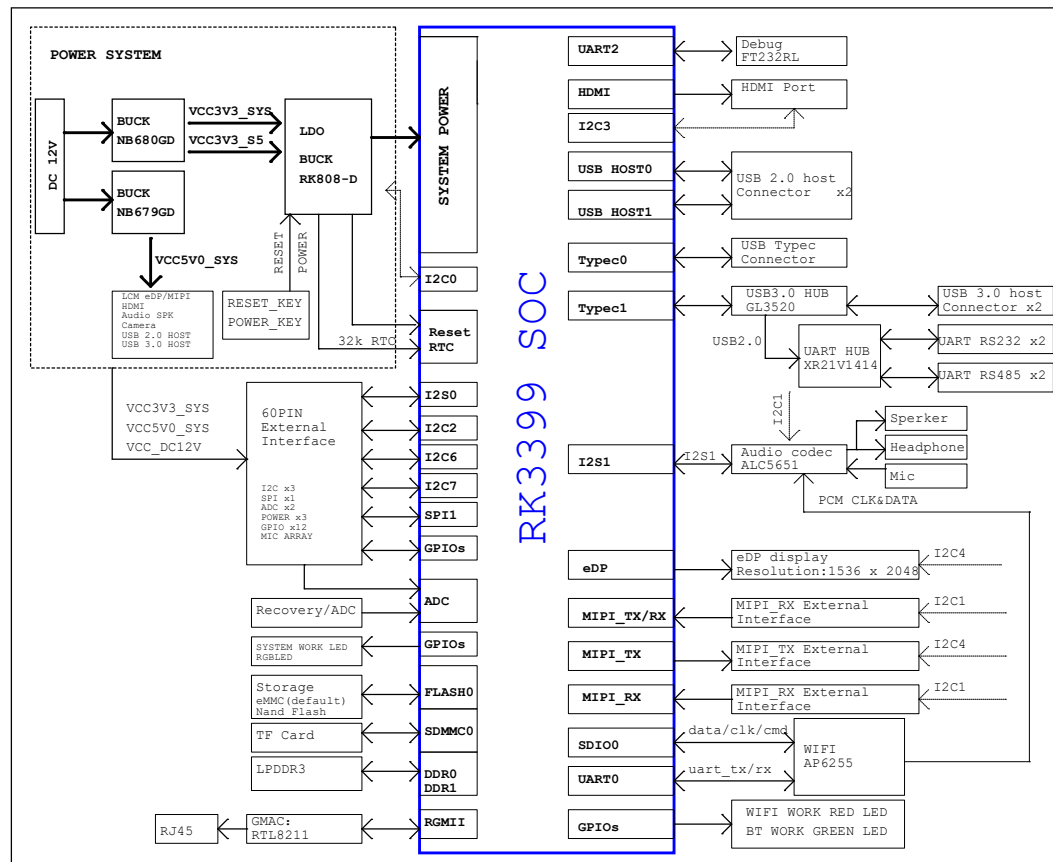
RK3399 I2C MAP

Port	Pin name	Domain	Bus name	Pull-up voltage	Slave Device	Note
I2C0	N30: GPIO1_C0/SPI3_TXD/I2C0_SCL M26: GPIO1_B7/SPI3_RXD/I2C0_SDA	VCC_3V0 PMUIO2	I2C_SDA_PMIC I2C_SCL_PMIC	VCC_3V0	Rockchip RK808-D	PMIC 0x1B
					SYR837/SYR838	DCDC 0x40/0x41
I2C1 I2C4 (OPTION)	AG1:GPIO4_A1/I2C1_SDA Y6:GPIO4_A2/I2C1_SCL	APIO5 VCCA1V8_IO	I2C_SDA_AUDIO I2C_SCL_AUDIO	VCCA1V8_CODEC	ALC5651/MIC ARRAY	Audio codec 0x1A
			I2C_SDA_3V0_CAM1 I2C_SCL_3V0_CAM1	VCCA1V8_CODEC	Extend Interface	MIPI Camera 0x36
I2C2	G31:GPIO2_A0/VOP_D0/CIF_D0/I2C2_SDA H25:GPIO2_A1/VOP_D1/CIF_D1/I2C2_SCL	APIO2 VCC3V0_IO	GPIO2_A0/I2C2_SDA GPIO2_A1/I2C2_SCL	VCC_3V0	Extend Interface	Reserve
I2C3	AG6:GPIO4_C0/I2C3_SDA/UART2B_RX AL2:GPIO4_C1/I2C3_SCL/UART2B_TX	APIO4 VCC3V0_IO	I2C_SDA_HDMI I2C_SCL_HDMI	VCC_3V0	HDMI OUT	HDMI
I2C1 I2C4 (OPTION)			I2C_SDA_3V0_CAM2 I2C_SCL_3V0_CAM2	VCC_3V0	Extend Interface	MIPI Camera 0x10
I2C4	P31:GPIO1_B3/I2C4_SDA P30:GPIO1_B4/I2C4_SCL	PMUIO2 VCC_3V0	I2C_SDA_CC I2C_SCL_CC	VCC_3V0	FUSB302B	USB-TypeC 0x22
			I2C_SDA_TP I2C_SCL_TP	VCC_3V0	Extend Interface	Touch panel 0x28
I2C6	F30:GPIO2_B1/SPI2_RXD/CIF_HREF/I2C6_SDA H24:GPIO2_B2/SPI2_TXD/CIF_CLKIN/I2C6_SCL	APIO2 SCLVCC3V0_IO	GPIO2_B1/I2C6_SDA GPIO2_B2/I2C6_SCL	VCC_3V0	Extend Interface	Reserve
I2C7	G30:GPIO2_A7/VOP_D7/CIF_D7/I2C7_SDA H28:GPIO2_B0/VOP_CLK/CIF_VSYNC/I2C7_SCL	APIO2 VCC3V0_IO	GPIO2_A7/I2C7_SDA GPIO2_B0/I2C7_SCL	VCC_3V0	Extend Interface	Reserve

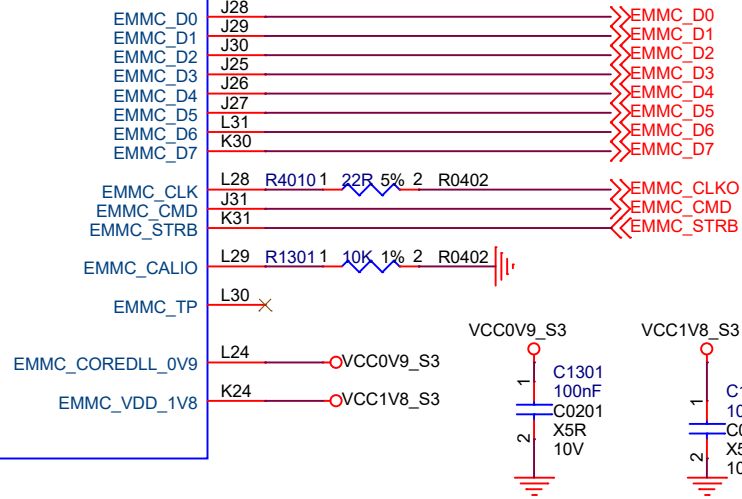
		Fuzhou Rockchip Electronics	
Project: EAIDK			
File: I2C MAP			
Date:	Monday, August 06, 2018	Rev:	V1.0
Designed by:	Linus	Sheet:	2 of 40

RK3399 POWER DIAGRAM



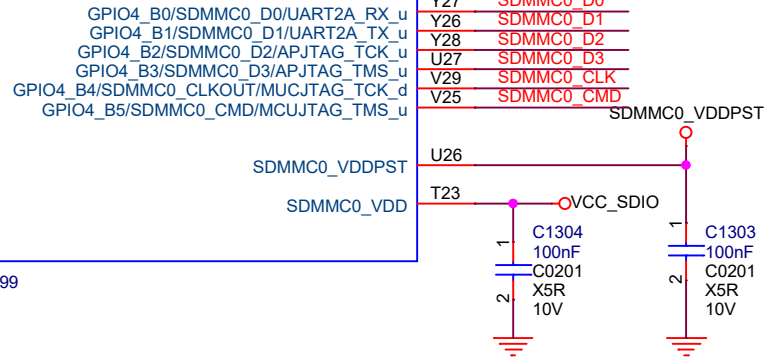


U1000H

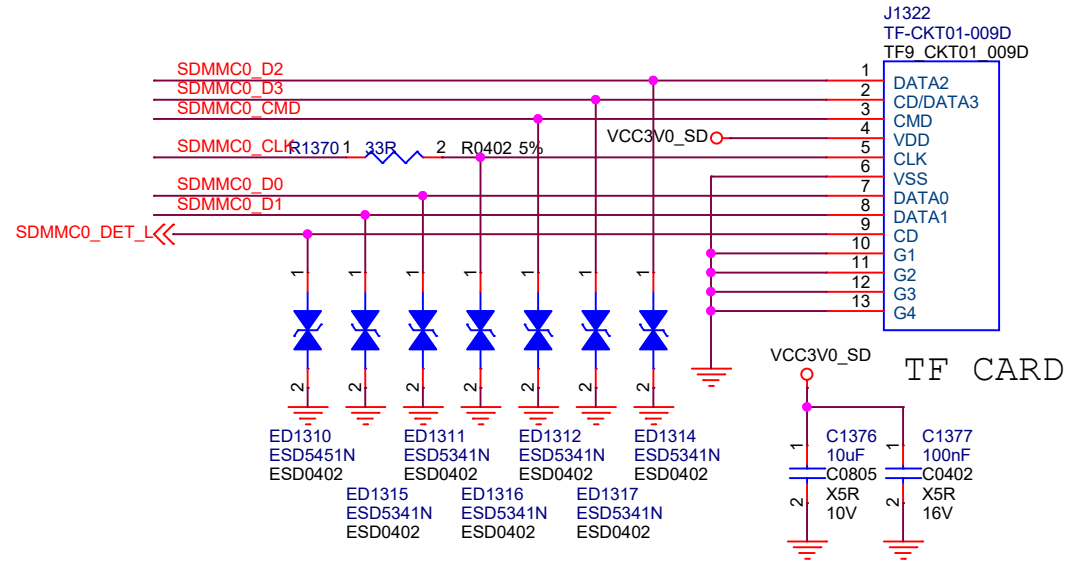


RK3399

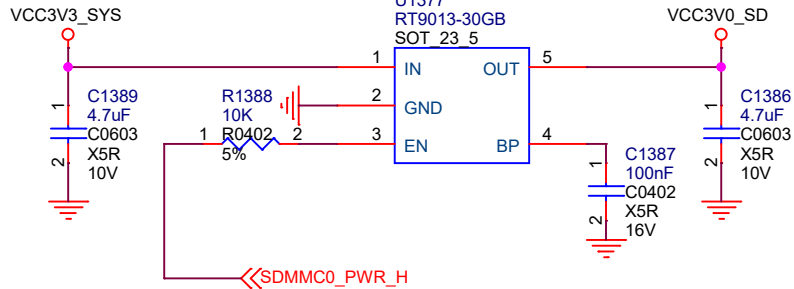
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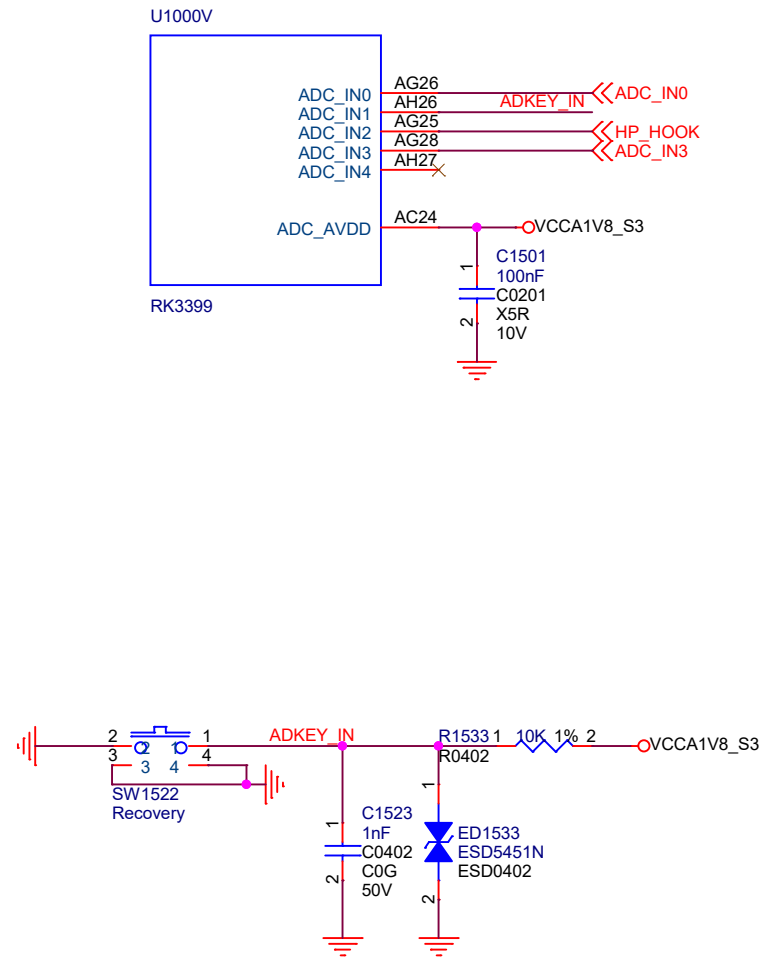
RK3399



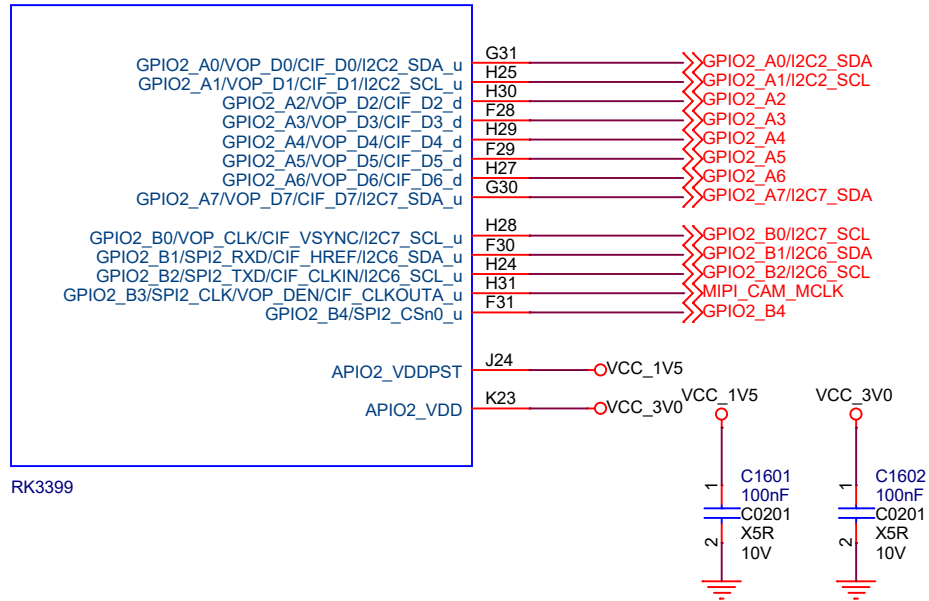
TF CARD



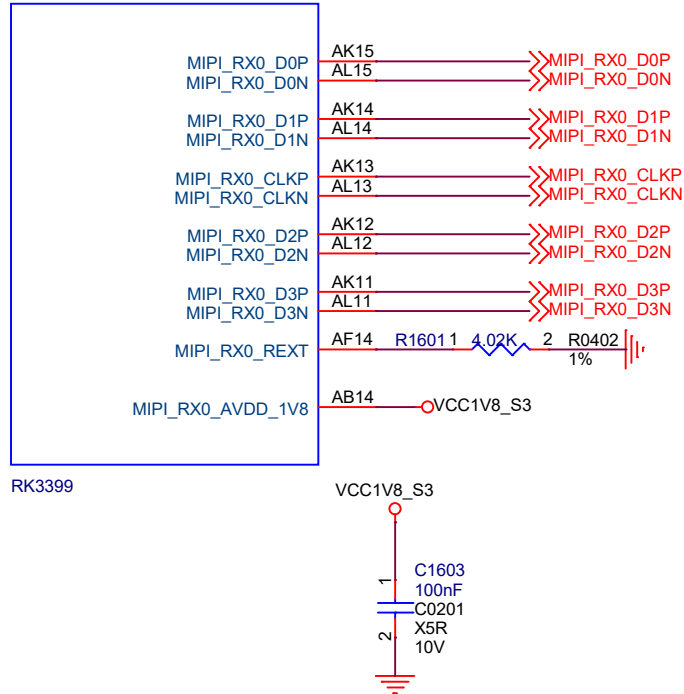
Rockchip 瑞芯微电子 Fuzhou Rockchip Electronics			
Project:	EAIDK		
File:	FLASH/SMC		
Date:	Monday, August 06, 2018	Rev:	V1.0
Designed by:	Linus	Sheet:	13 of 40



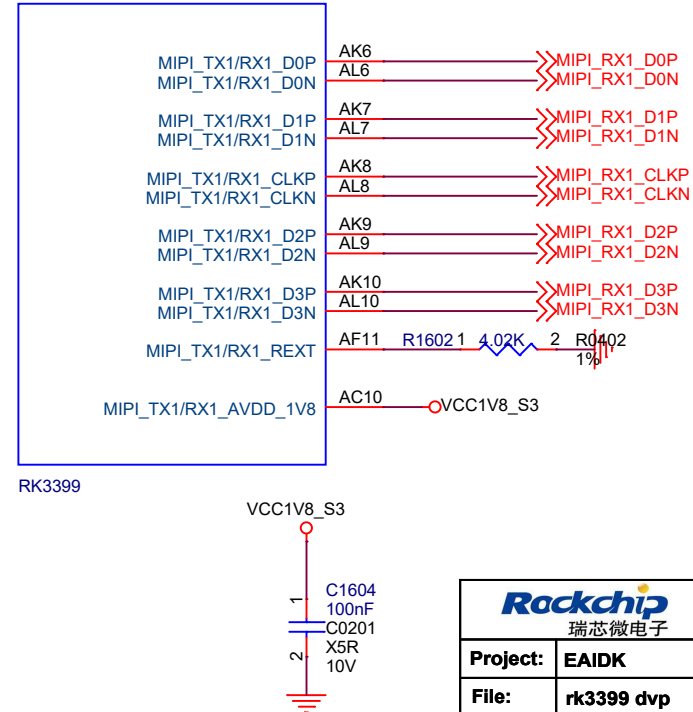
U1000L



U1000R

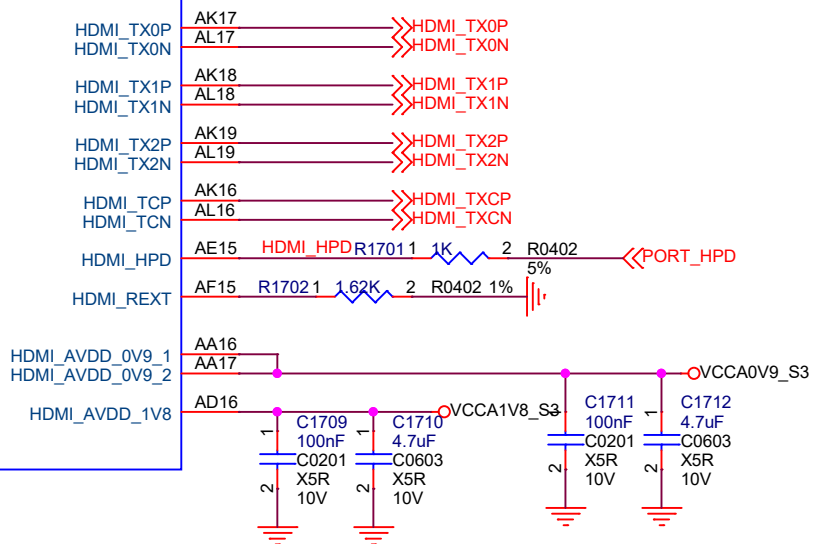


U1000P



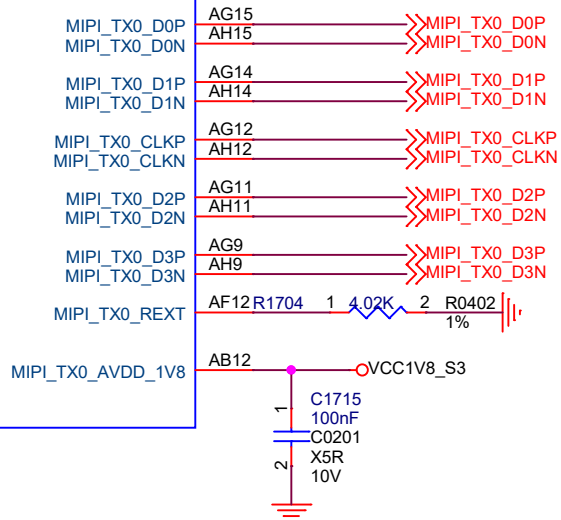
<div><div>Rockchip</div><div>瑞芯微电子</div><div>Fuzhou Rockchip Electronics</div></div>			
Project:	EAIDK		
File:	rk3399 dvp		
Date:	Monday, August 06, 2018	Rev:	V1.0
Designed by:	Linus	Sheet:	16 of 40

U1000N



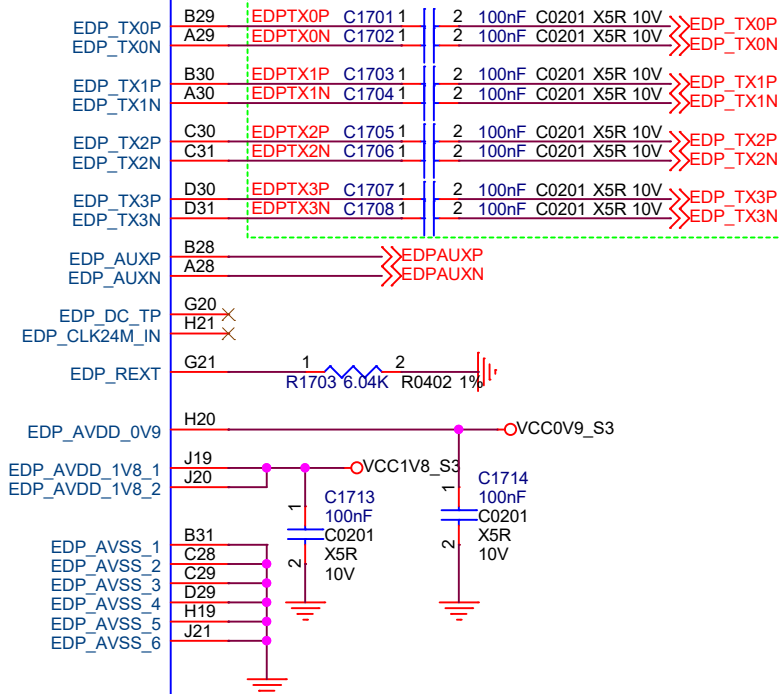
RK3399

U1000Q



RK3399

U1000M

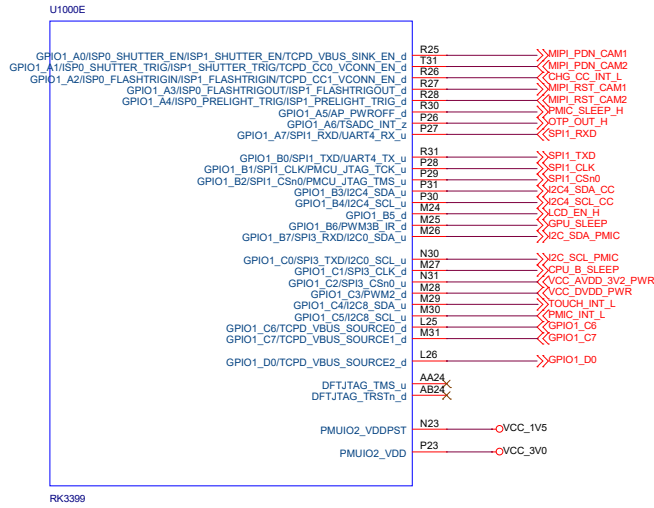
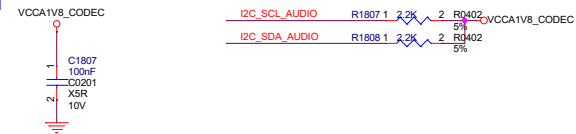
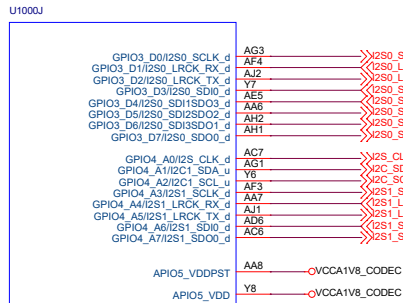
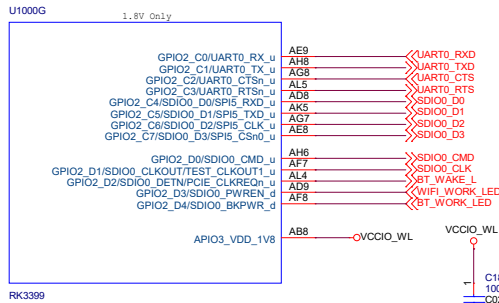
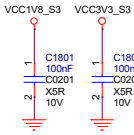
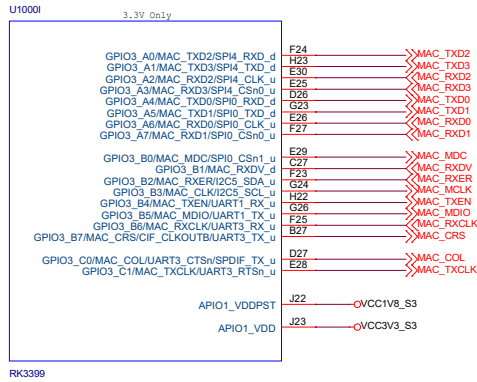


RK3399

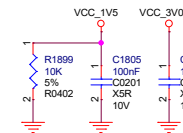
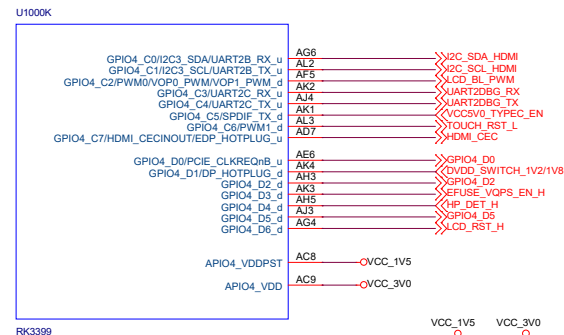
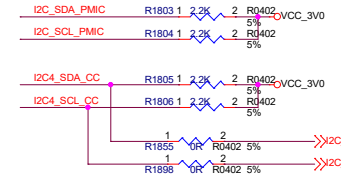
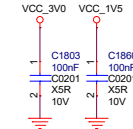
Placed close to
the transmitter side

Fuzhou Rockchip Electronics

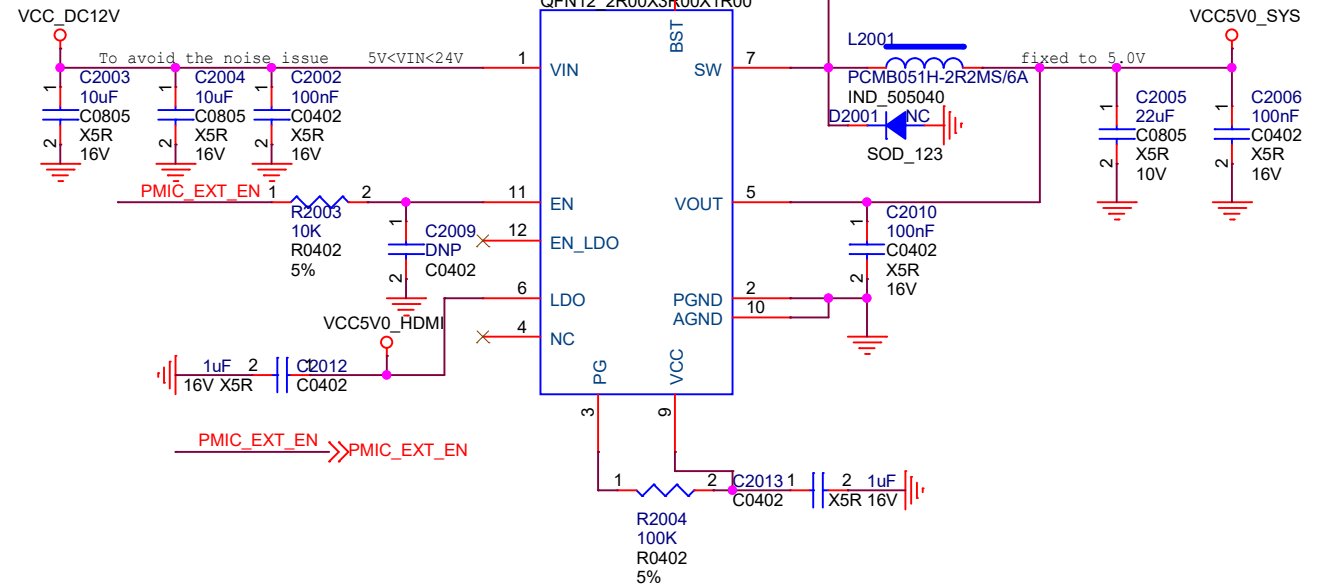
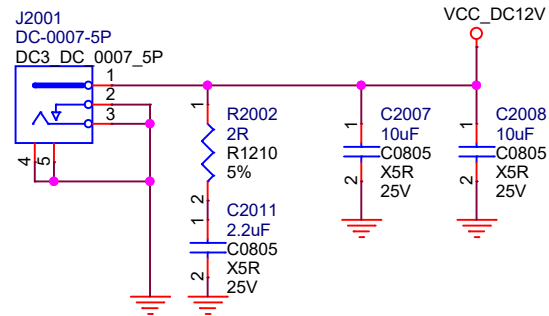
Project:	EAIDK		
File:	rk3399 display		
Date:	Monday, August 06, 2018	Rev:	V1.0
Designed by:	Linus	Sheet:	17 of 40



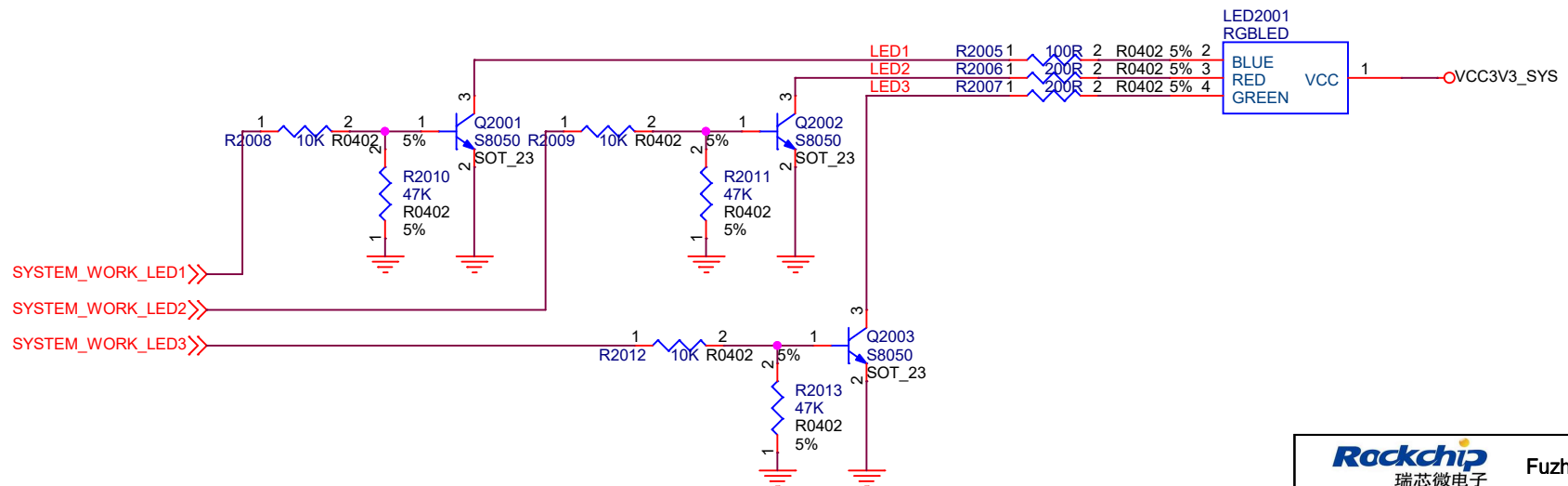
1.8V Only	VDDPST=VDDIO=1.8V
3.3V Only	VDDPST=1.8V, VDDIO=3.3V
other	3.0V mode: VDDPST=1.5V, VDDIO=3.0V 1.8V mode: VDDPST=1.8V, VDDIO=1.8V

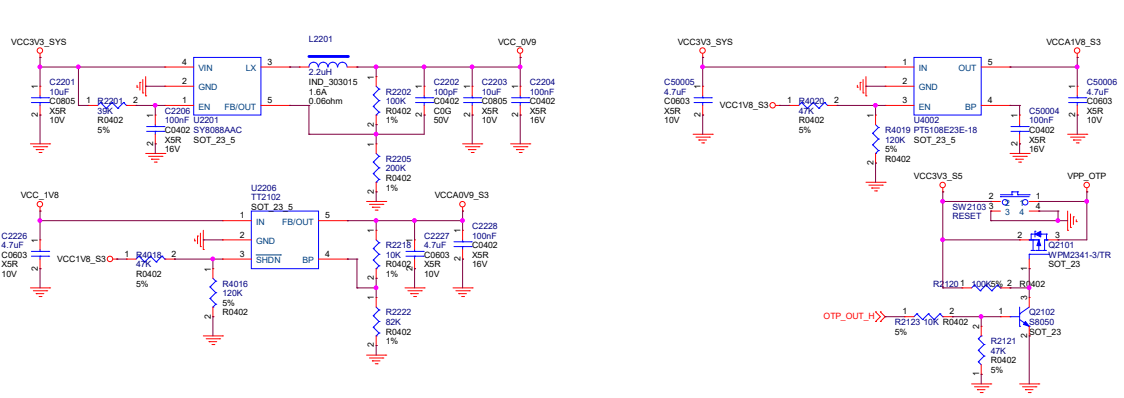
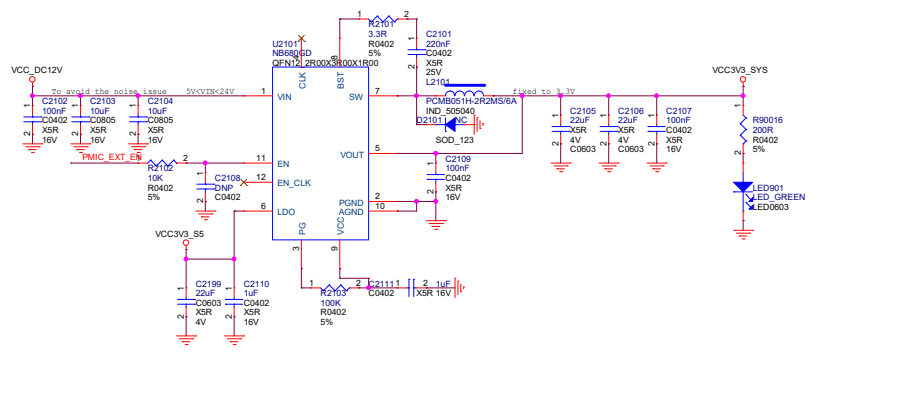


DC12V INPUT

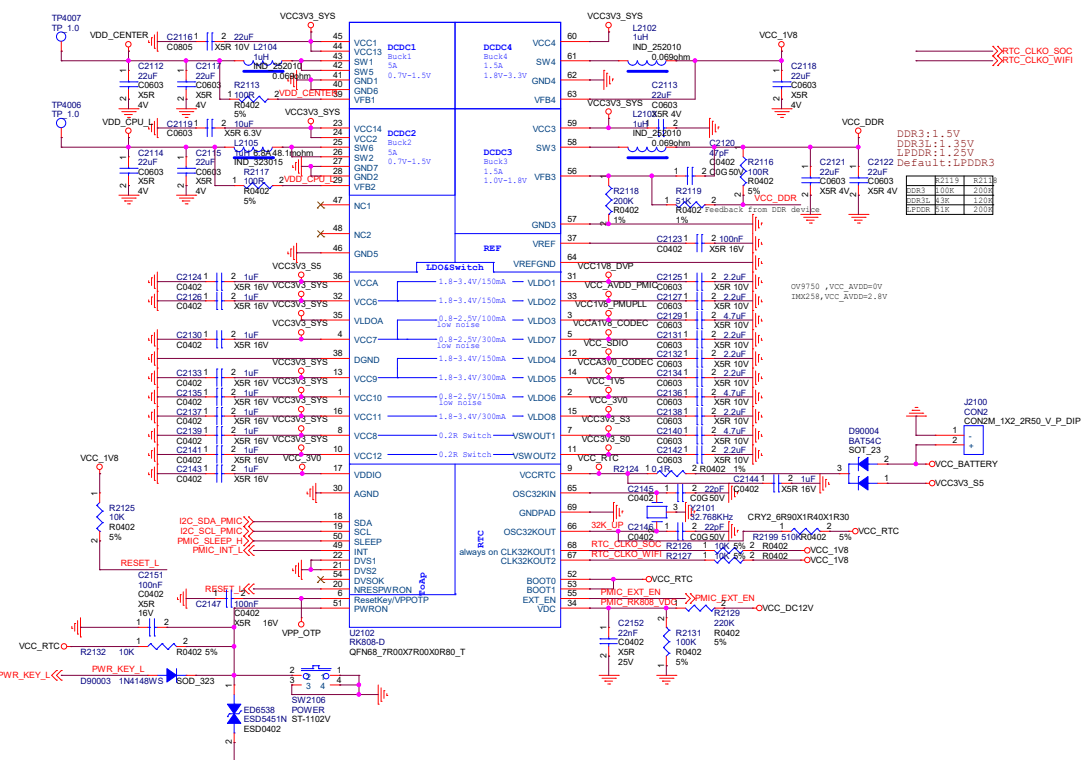


SYSTEM WORK LED

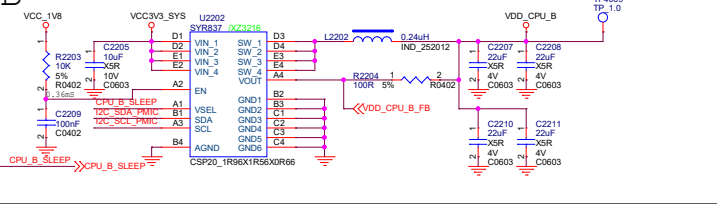




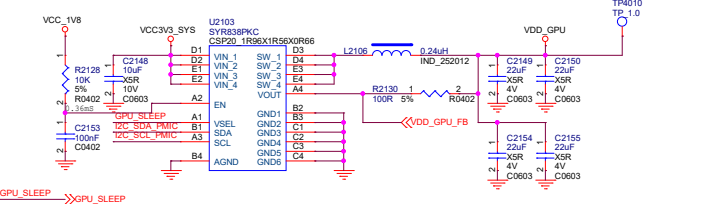
PMIC RK808-D



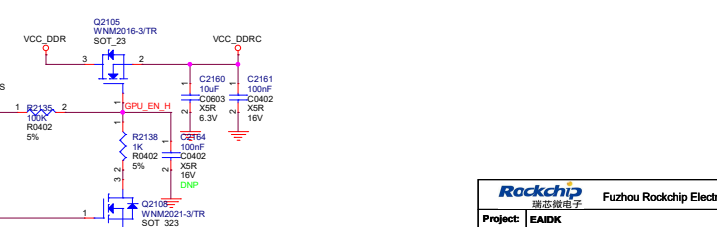
VDD_CPU_B



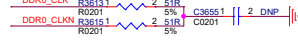
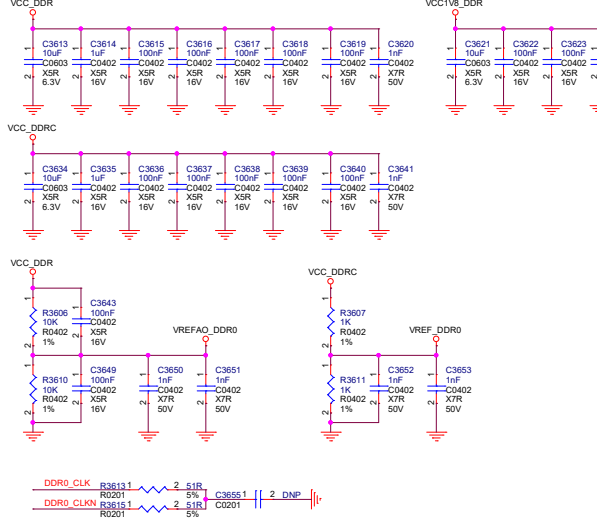
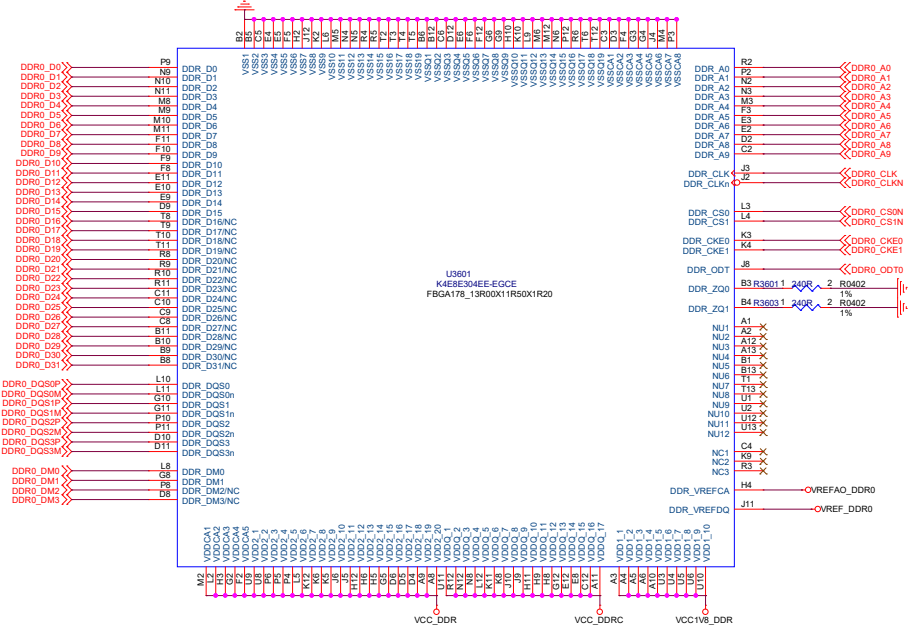
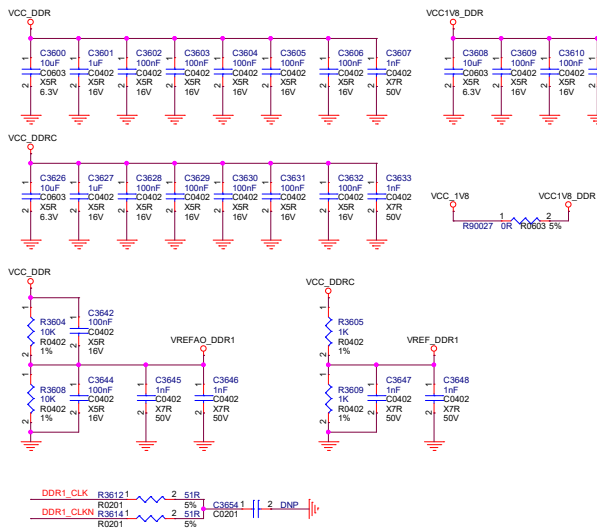
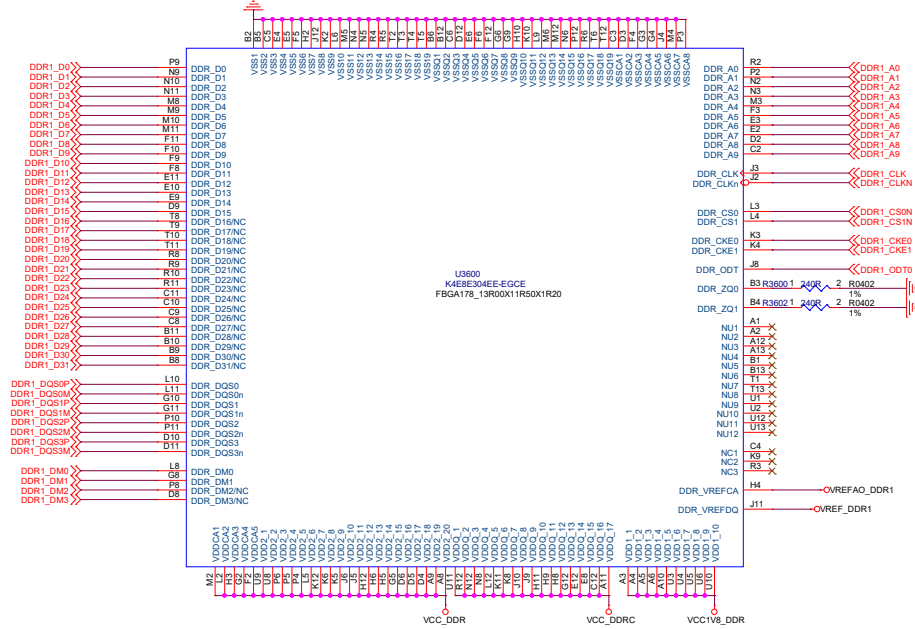
VDD_LOG

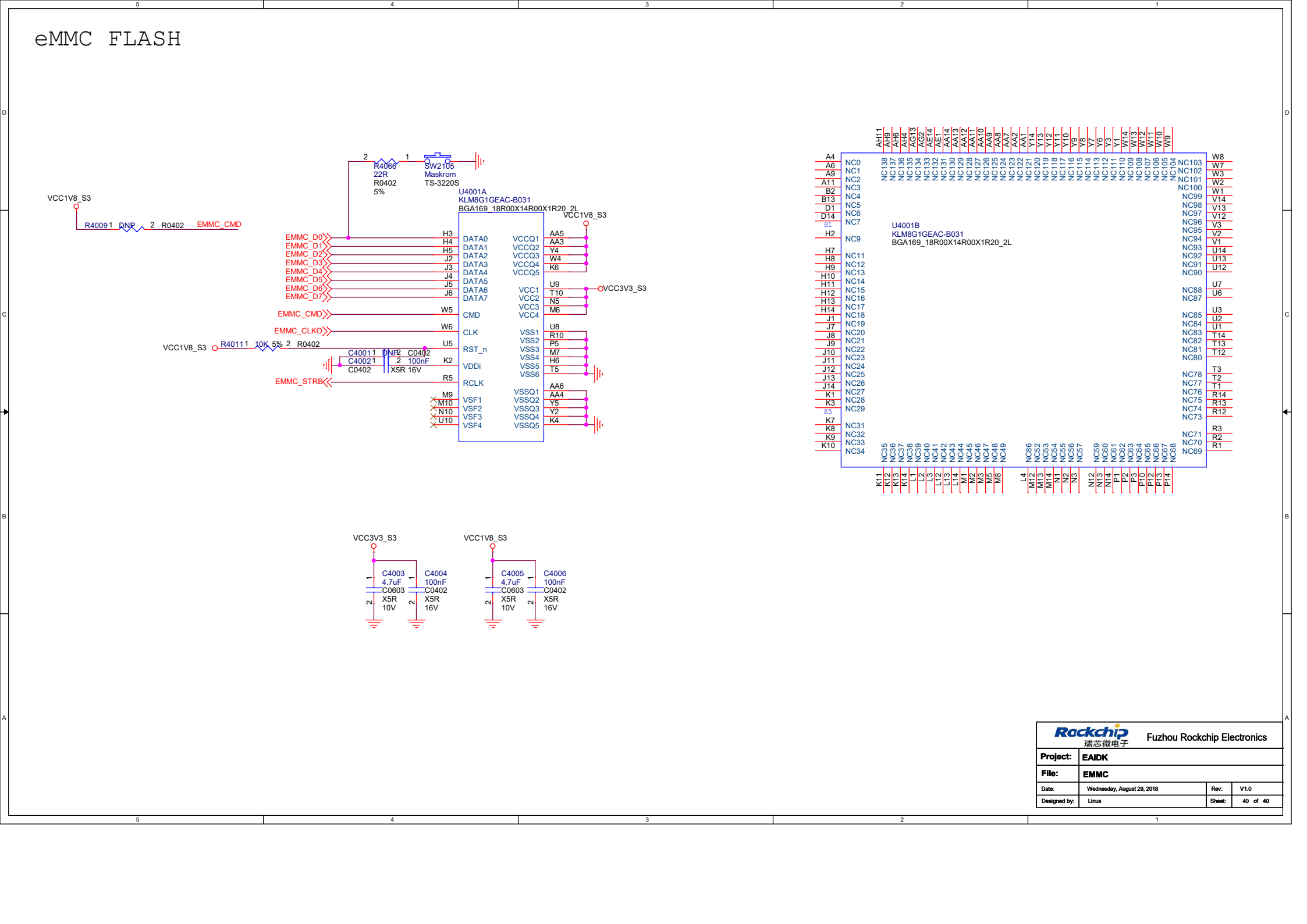
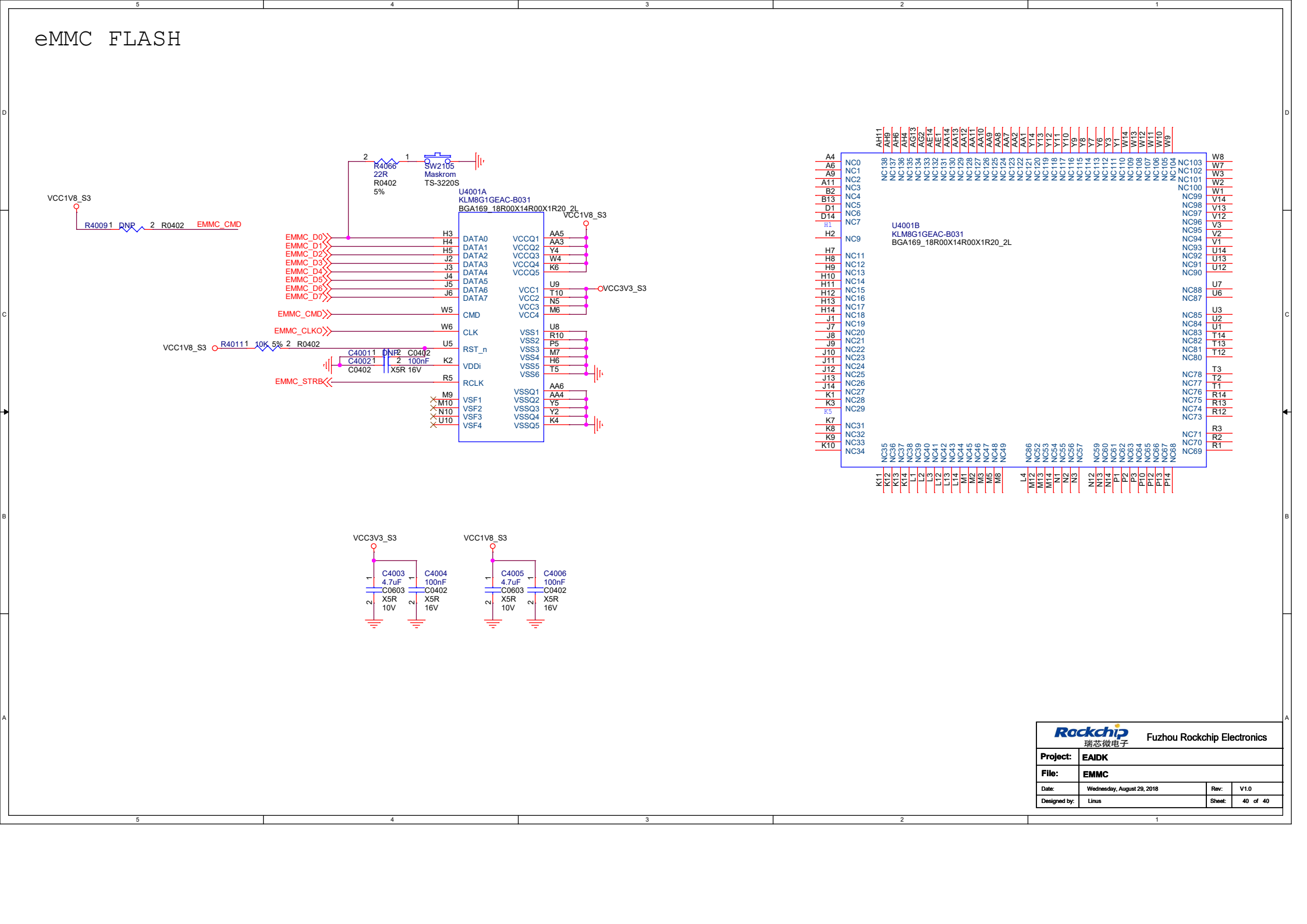
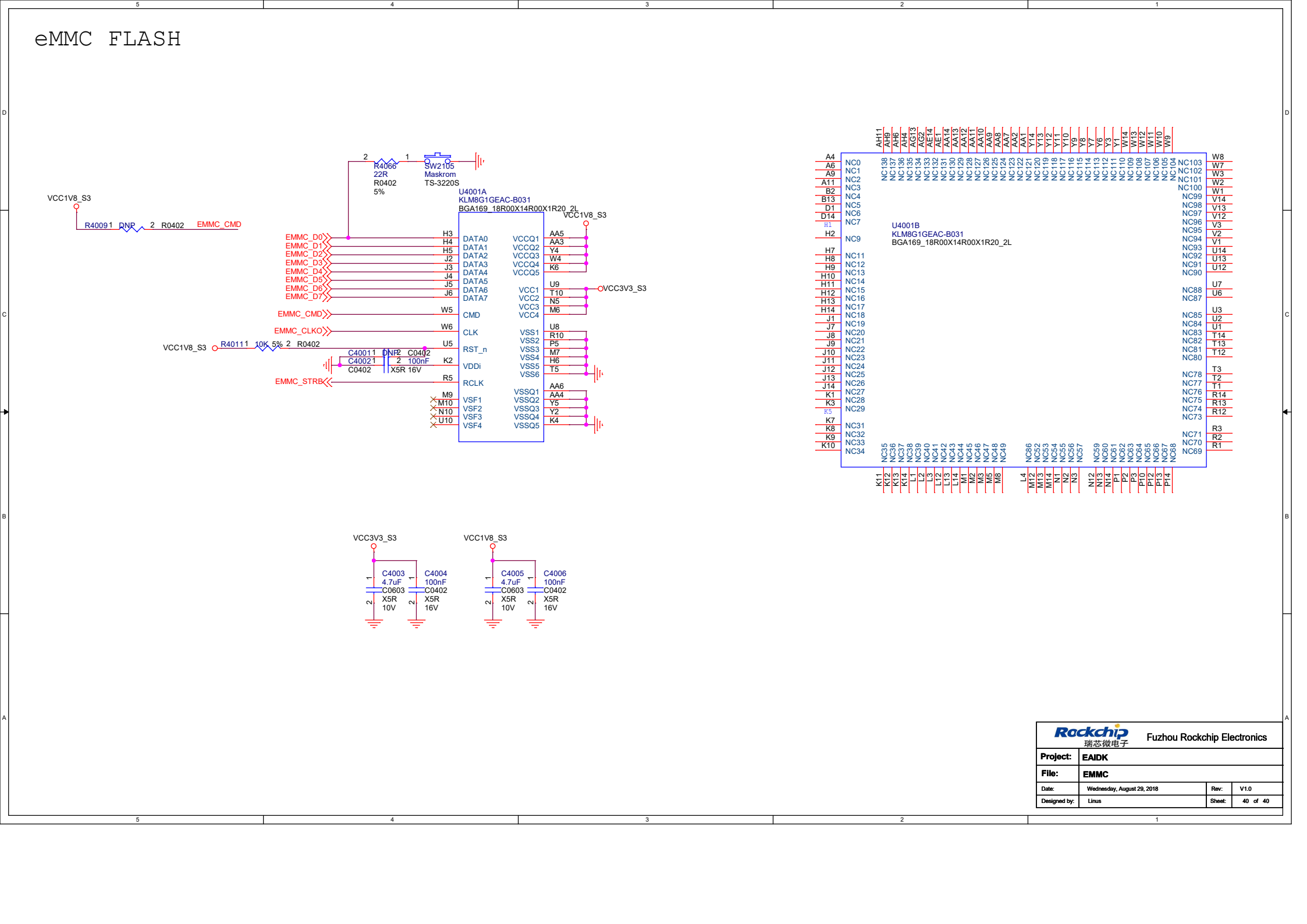


VDD_GPU

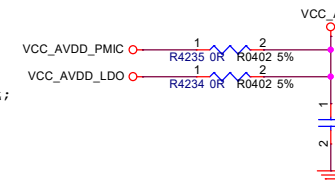
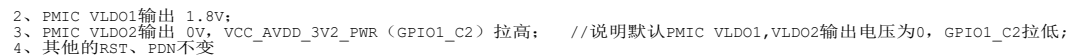


LPDDR3



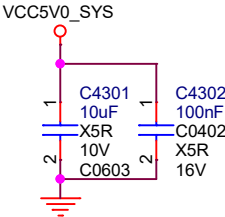
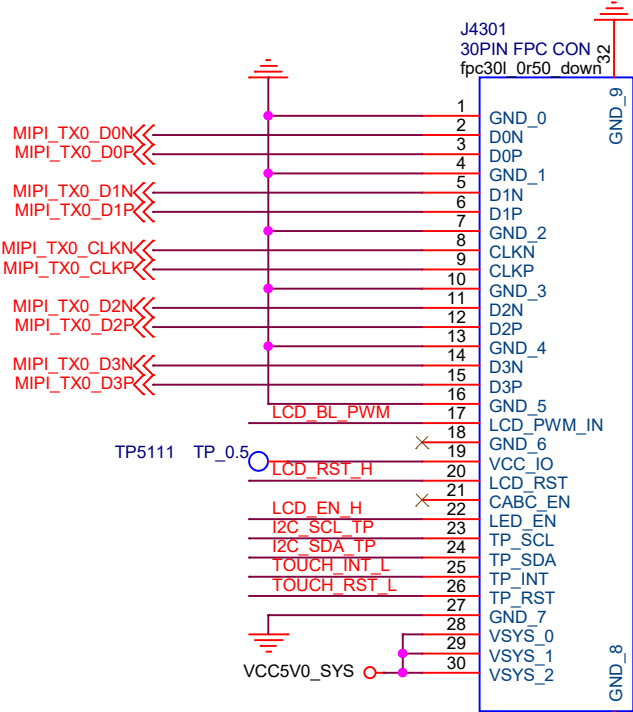
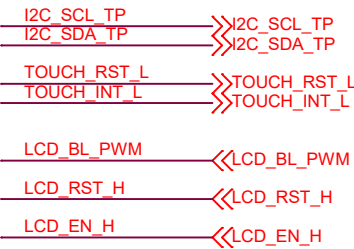
[illegible]


支持：
低配720P OV9750，双摄同时工作。
高配4K IMX258。



OV9750
ANA, 3.3V, I_{max}=22mA
CORE, 1.8V, I_{max}=64mA
IO, 1.8V, I_{max}=24mA:

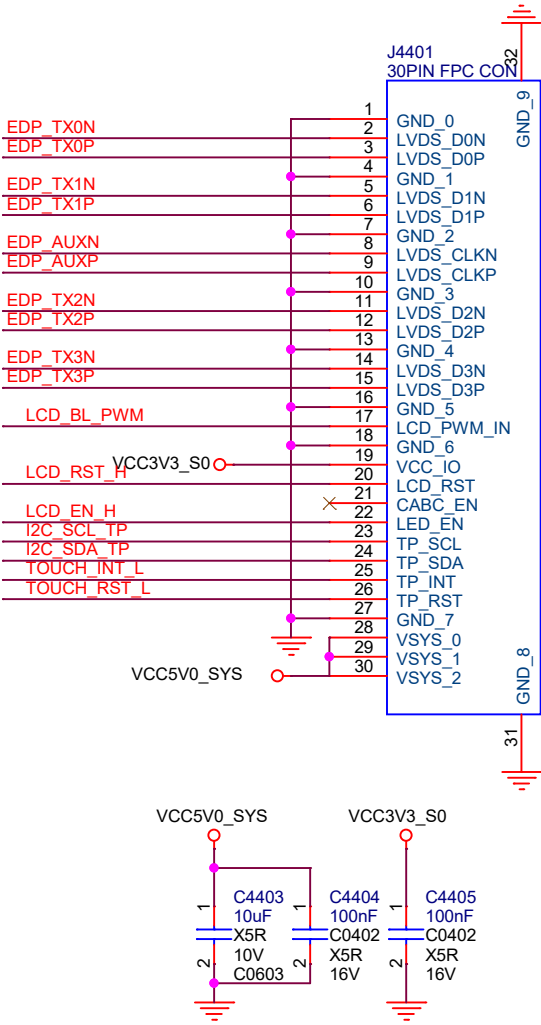
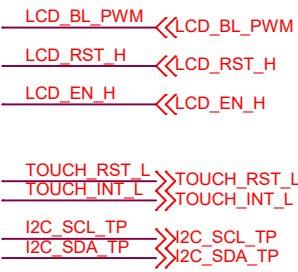
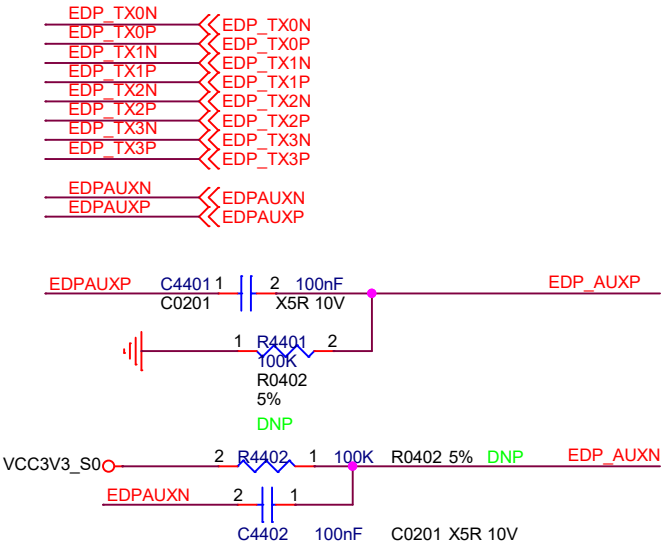
MIPI Panel



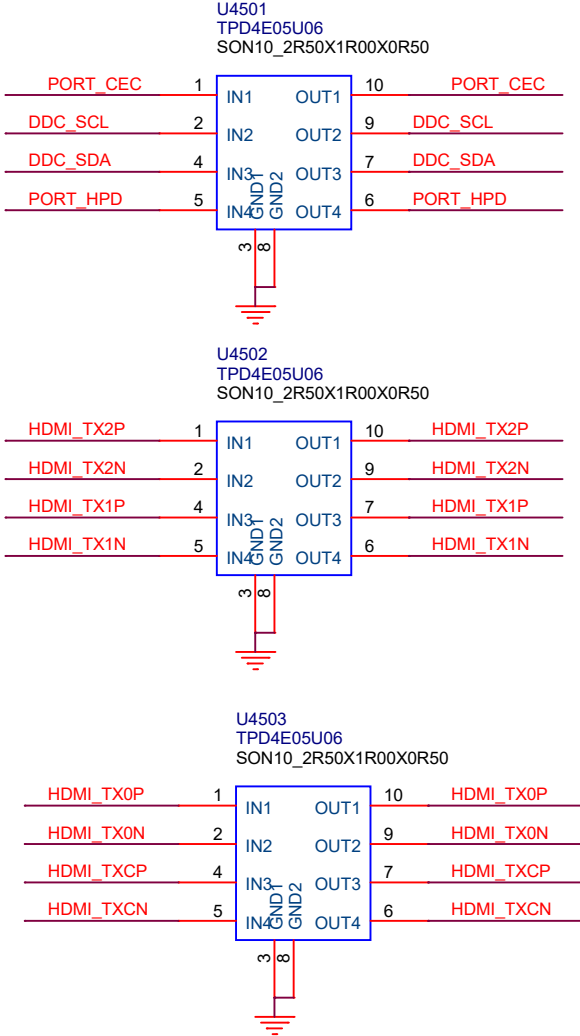
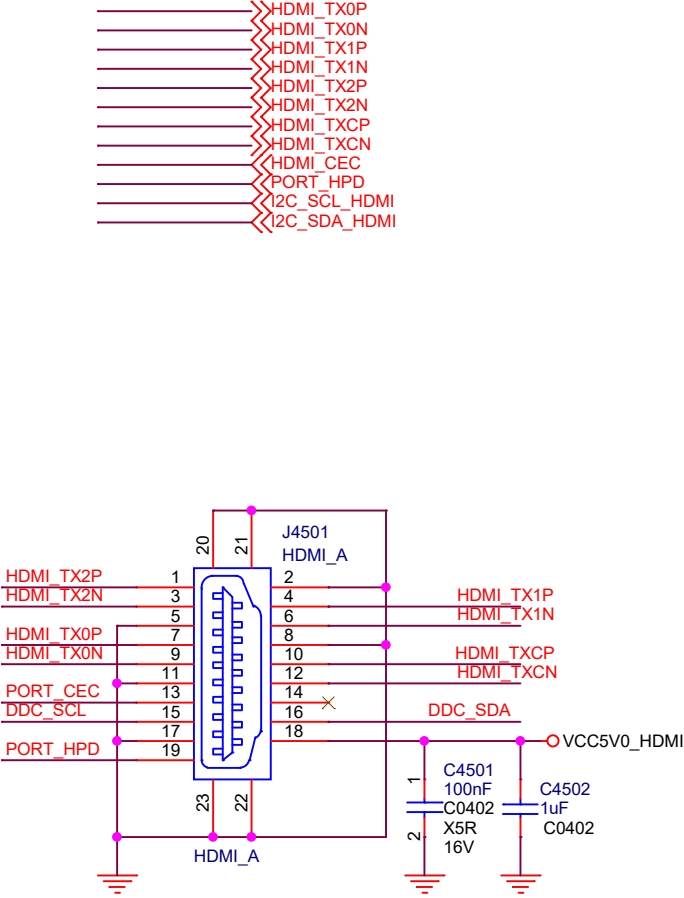
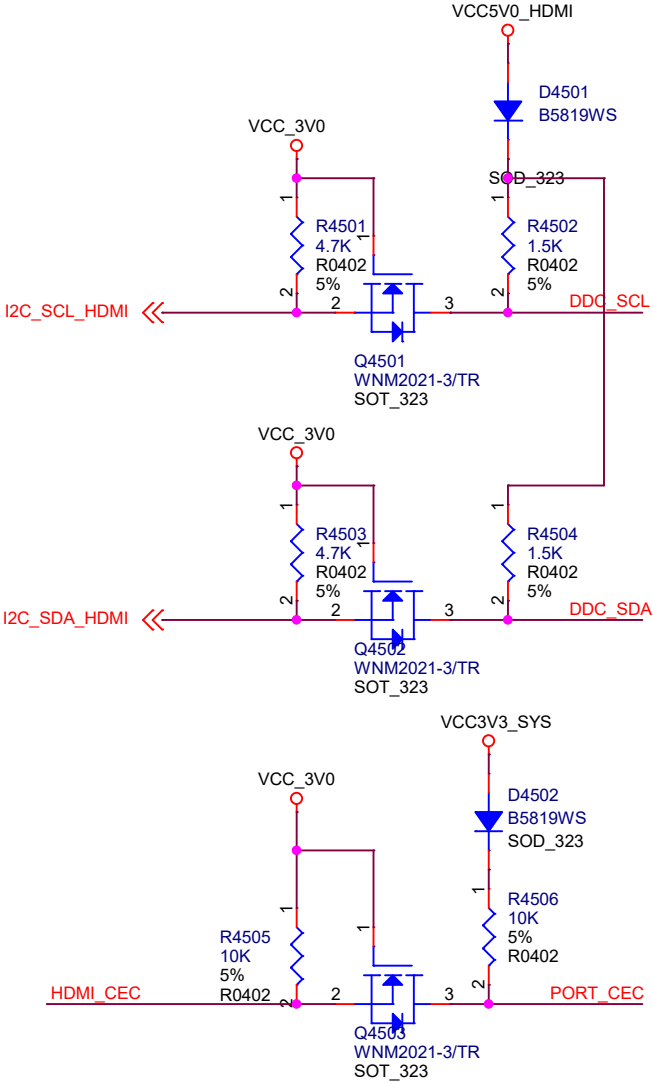
 瑞芯微电子		Fuzhou Rockchip Electronics	
Project:	EAIDK		
File:	DUALE-LCM-MIPI		
Date:	Monday, August 06, 2018	Rev:	V1.0
Designed by:	Linus	Sheet:	43 of 40

eDP Panel

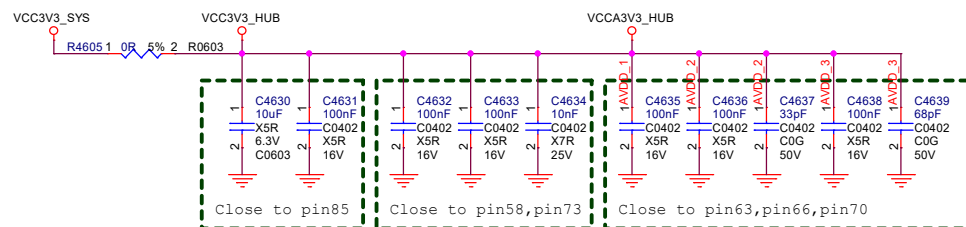
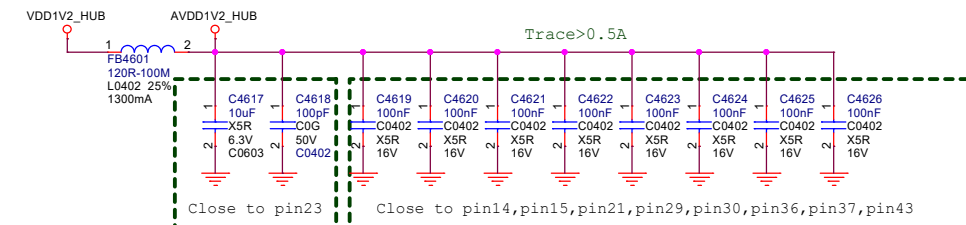
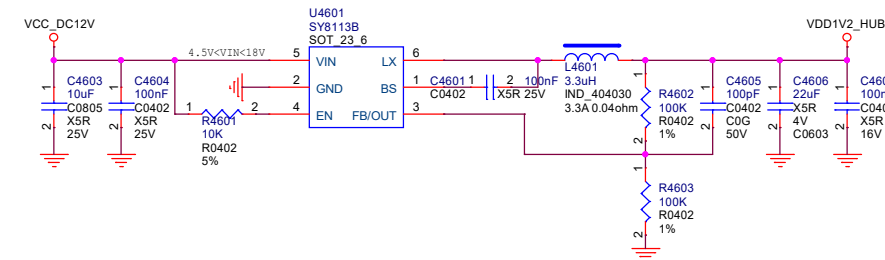
分辨率： 1536x2048； 7.85寸eDP；




HDMI Port

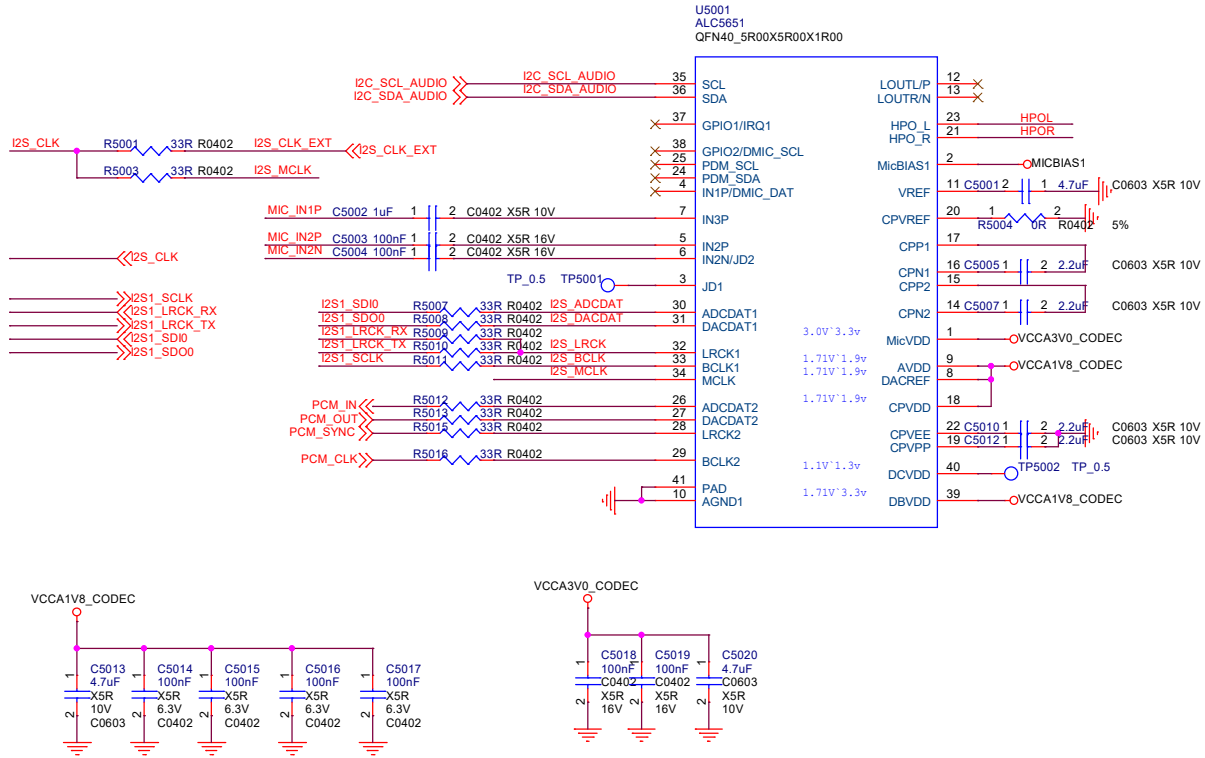


HUB Power

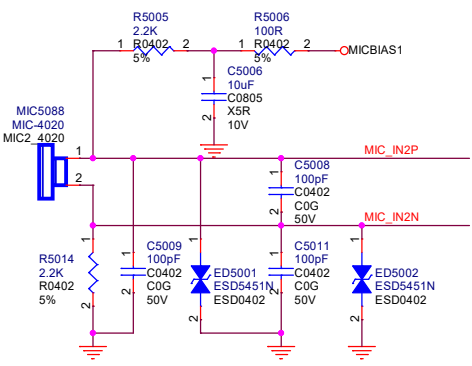


 <div style="display: inline-block; vertical-align: middle;"> <p>Fuzhou Rockchip Electronics</p> </div>	
Project:	EADK
File:	46.USB3.0 HUB-GL3523
Date:	Monday, August 06, 2018
Designed by:	<div style="display: flex; justify-content: space-between;"> Linus Sheet: 46 of 40 </div>

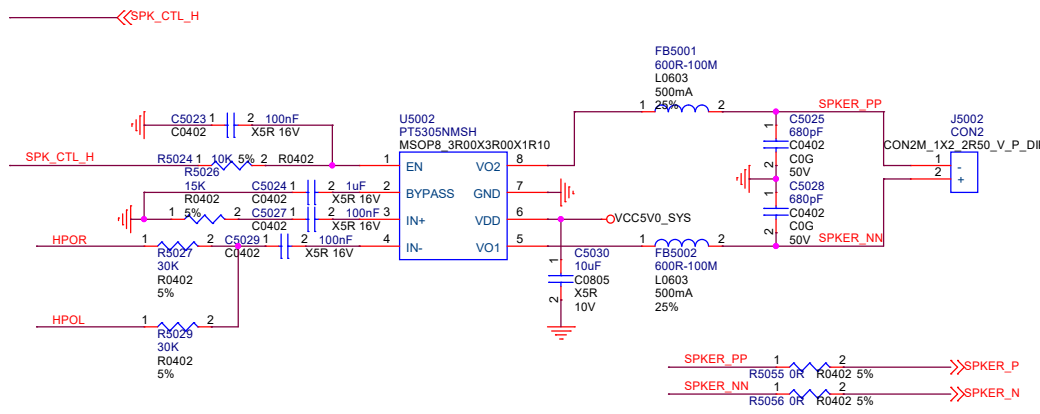
Audio Codec



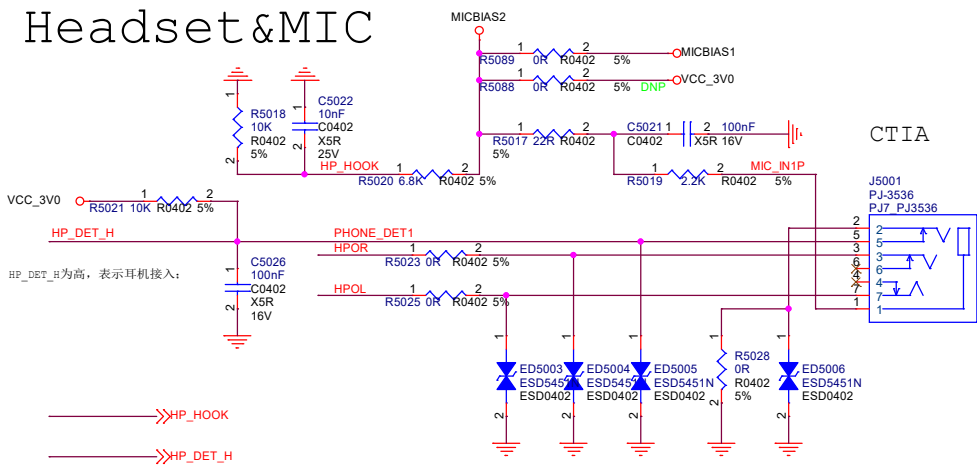
MIC



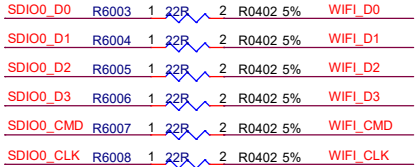
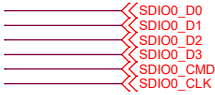
Speaker



Headset&MIC

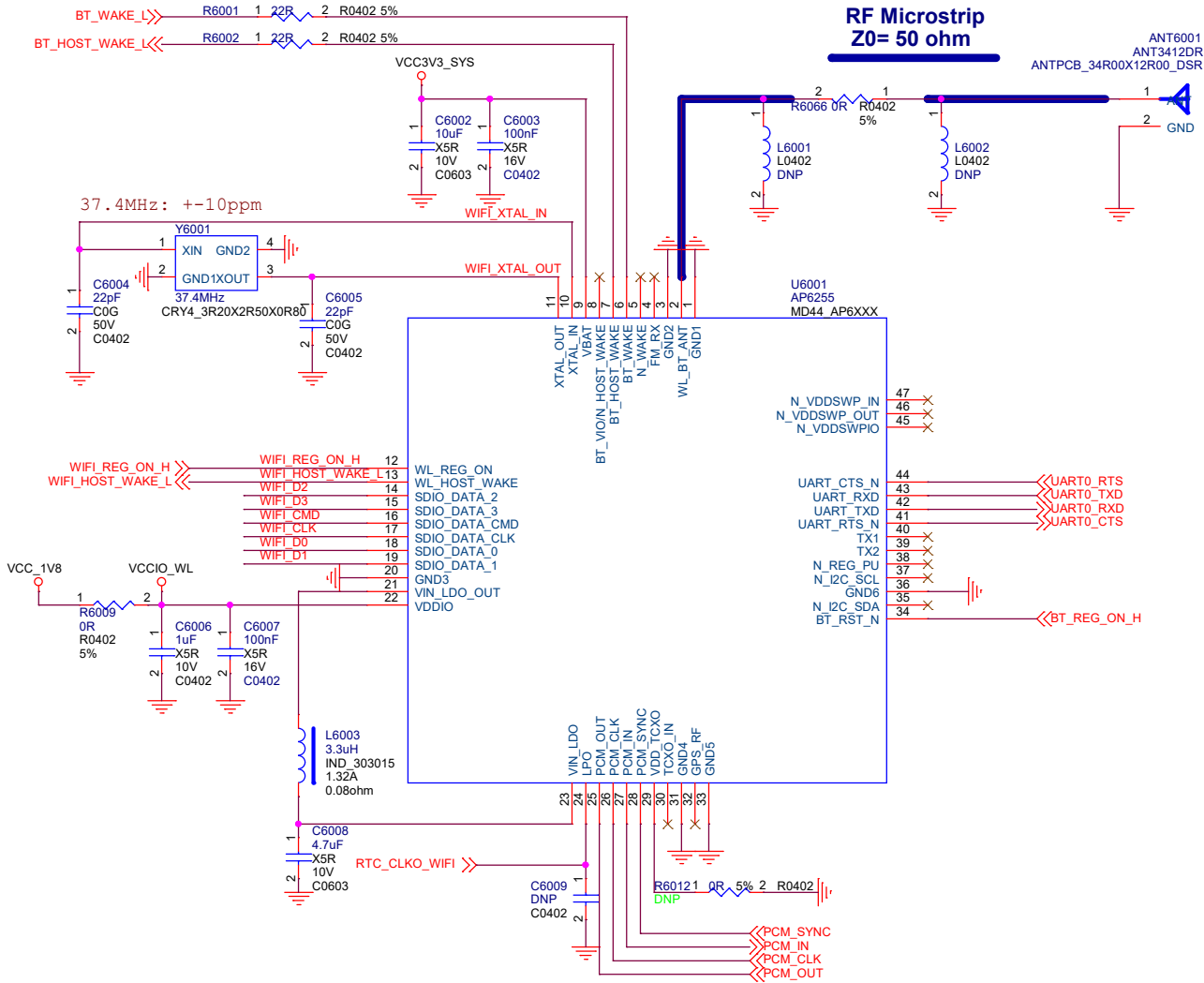
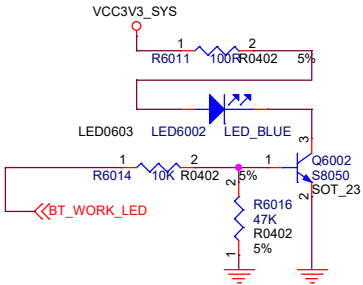
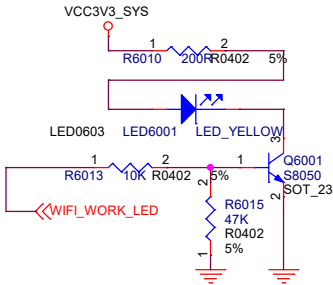



WIFI/BT Module



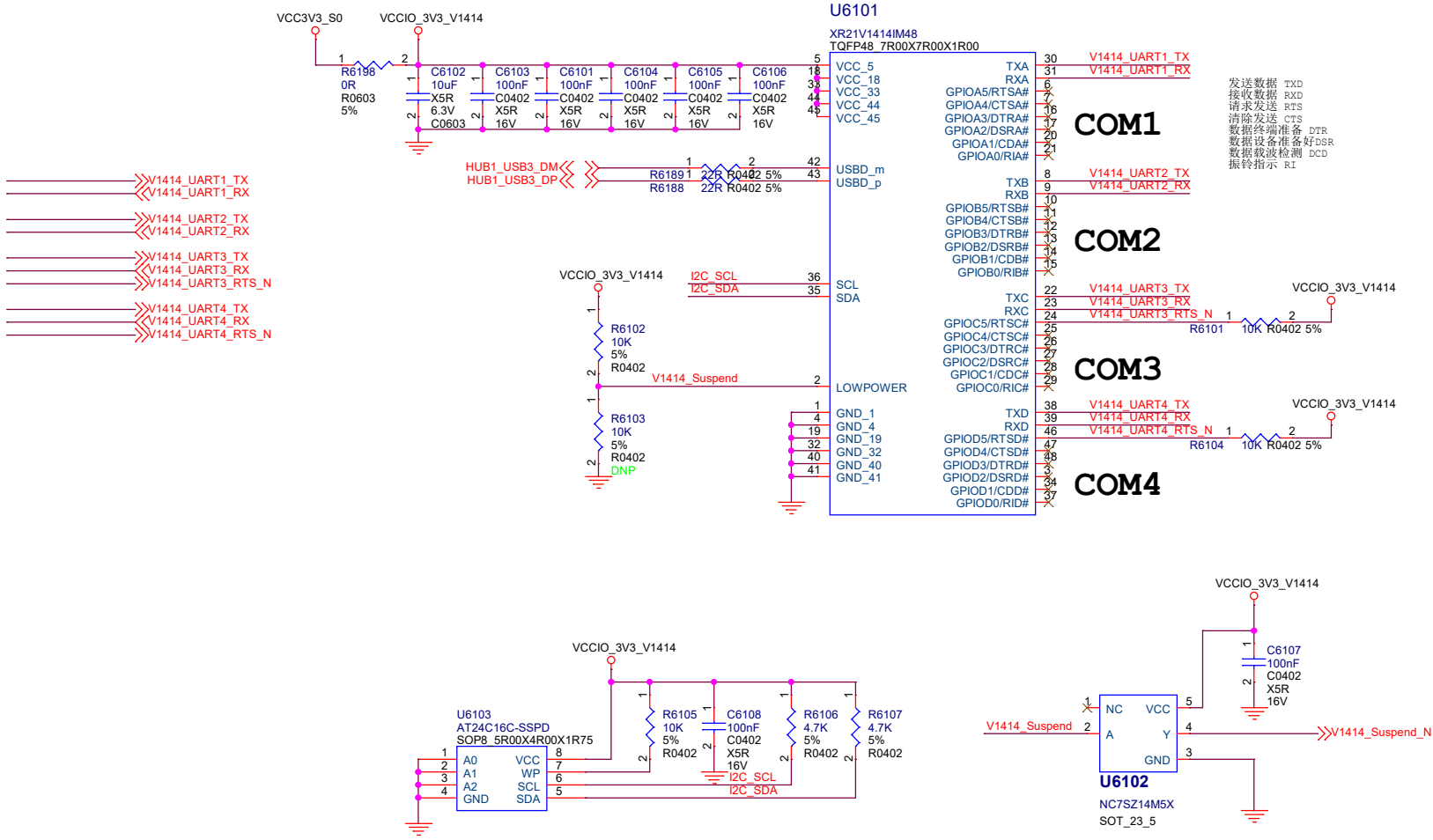
WIFI WORK LED

BT WORK LED

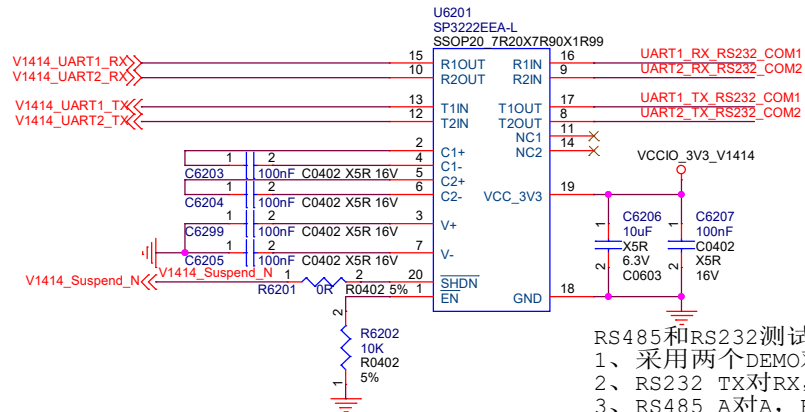


 瑞芯微电子		Fuzhou Rockchip Electronics	
Project:	EAIK		
File:	60.WIFI/BT-AP6255		
Date:	Monday, August 06, 2018	Rev:	V1.0
Designed by:	Joseph	Sheet:	60 of 40

USB TO UART HUB

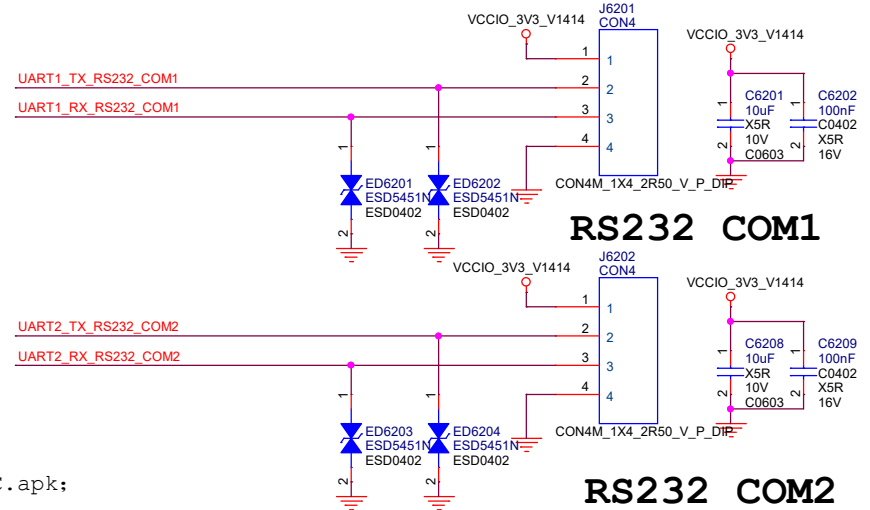


UART RS232 Port1&Port2

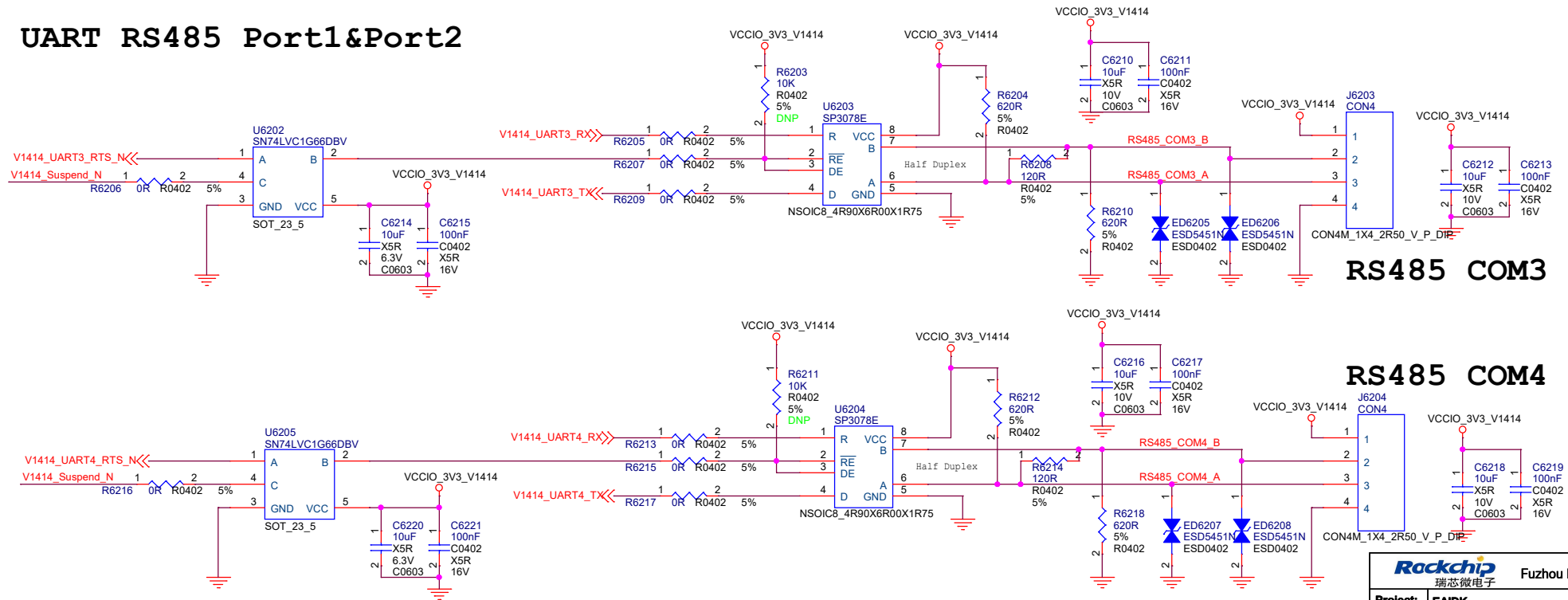


RS485和RS232测试方式:

- 1、采用两个DEMO对接相互通信;
- 2、RS232 TX对RX, RX对TX;
- 3、RS485 A对A, B对B;
- 5、安装ExarUSB android app ver1C.apk;
- 6、UART1..4分别对应COM1..4;

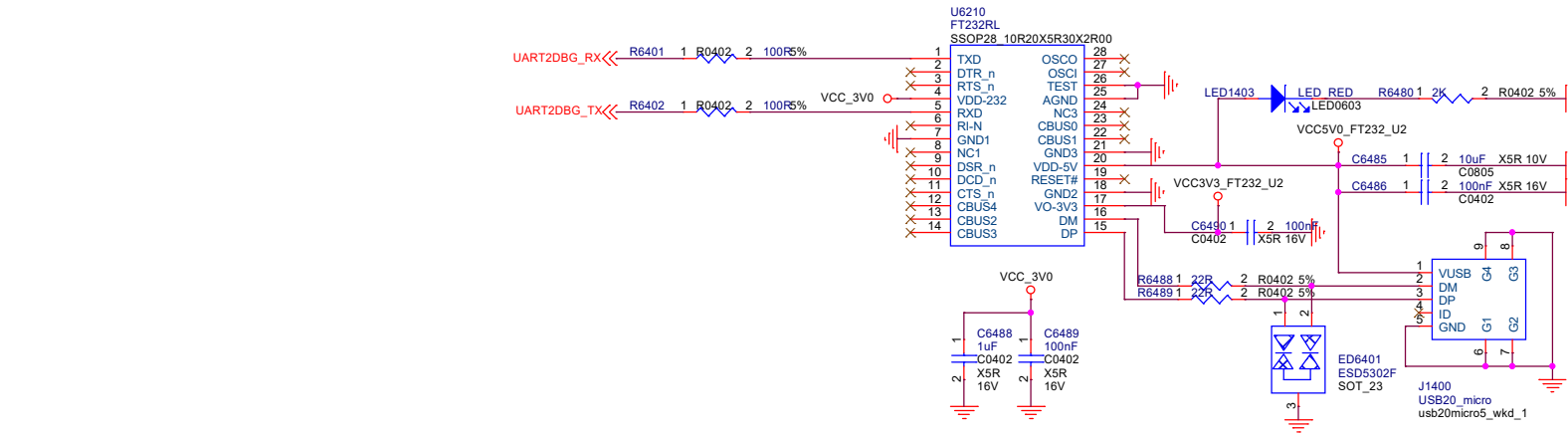


UART RS485 Port1&Port2



 瑞芯微电子		Fuzhou Rockchip Electronics	
Project:	EAIDK		
File:	62.UART RS232/RS485		
Date:	Monday, August 06, 2018	Rev:	V1.0
Designed by:	Linus	Sheet:	62 of 40

USB Debug port



Heat sink

