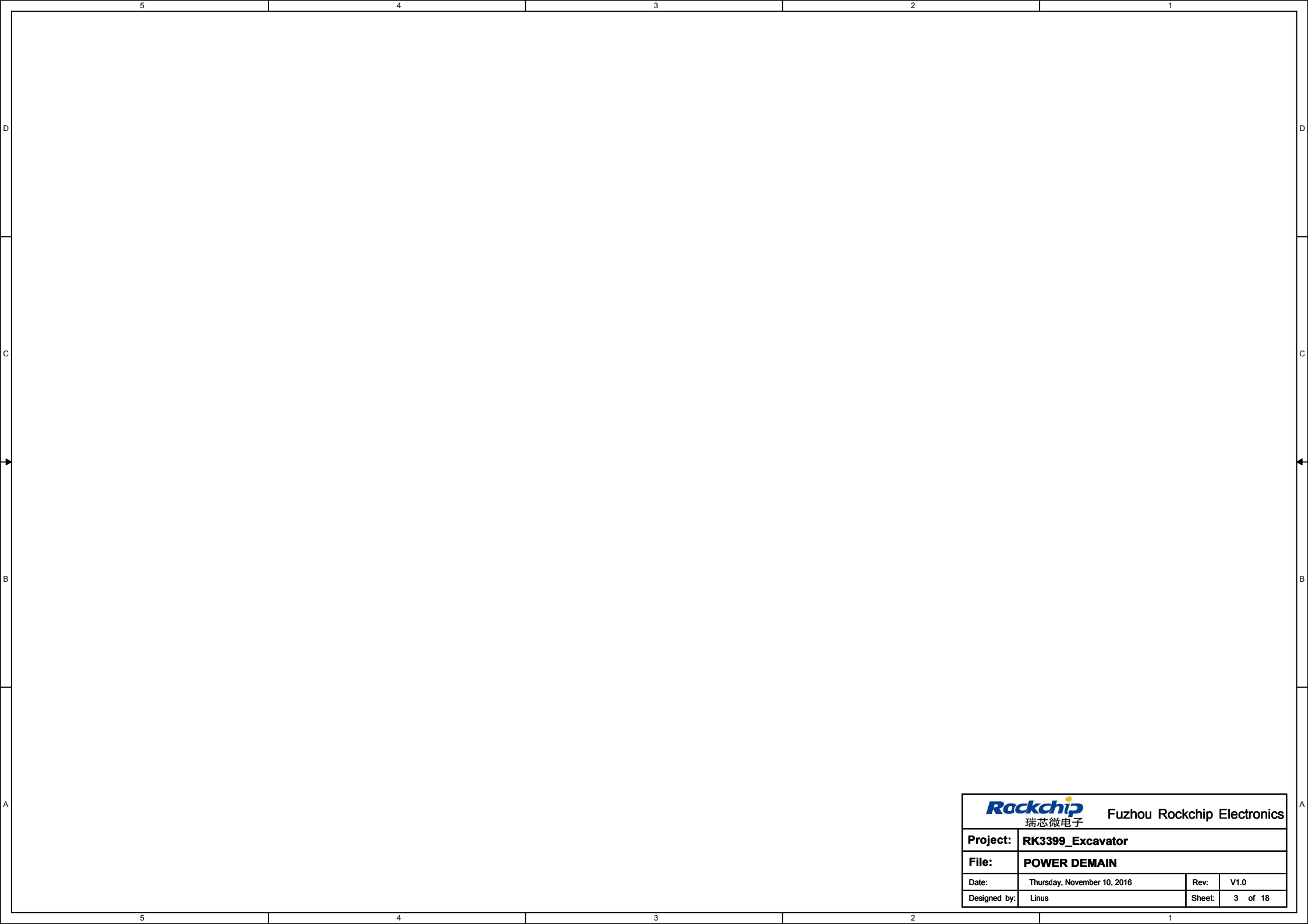


Version	Date	Author	Change Note	Approved
V1.0	20160325	hxs	First edictor	
V1.0	20160420	hxs	1、修改 供电用SYR82 K C； 2、删除 VDD_CPU B、VDD_CPU 连接电源回路 3、R401修改成0 K； 4、修改 R40 10 放置主 控页 注意 PCB 布局靠 控制器 5、修改 VREF_DR1、VREF_DR0 从 VCC 取电；	

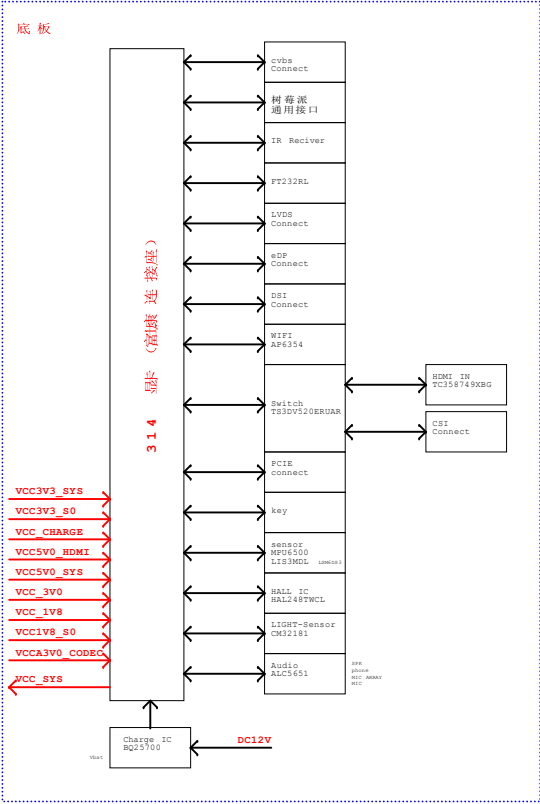
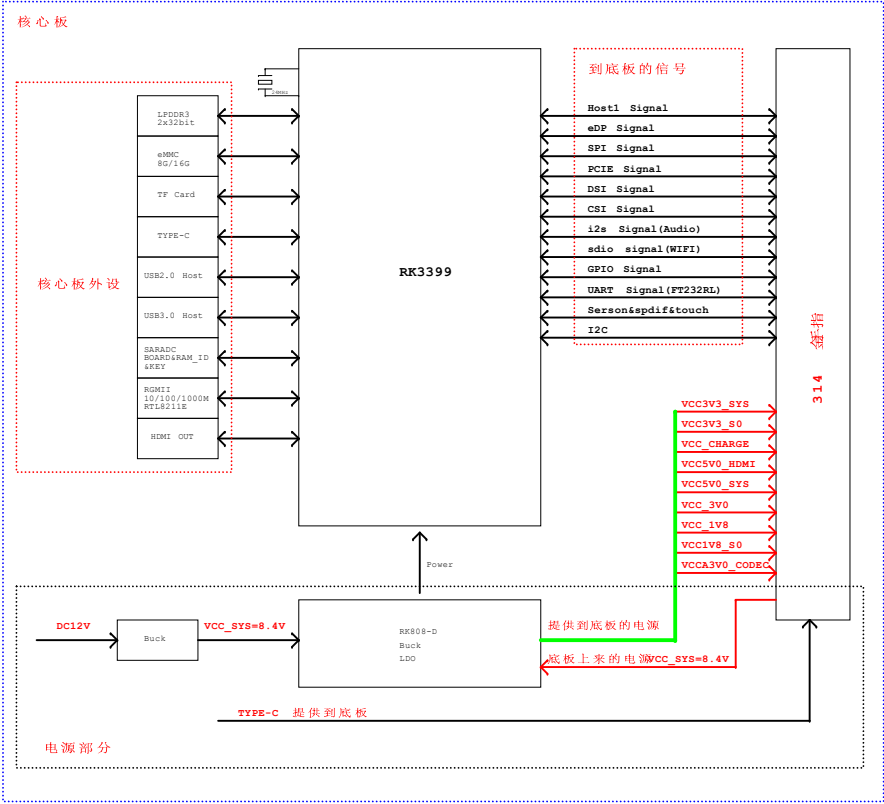
RK3399 I2C MAP

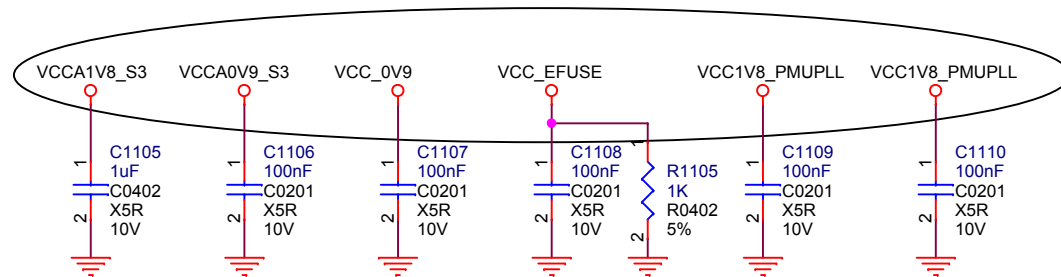
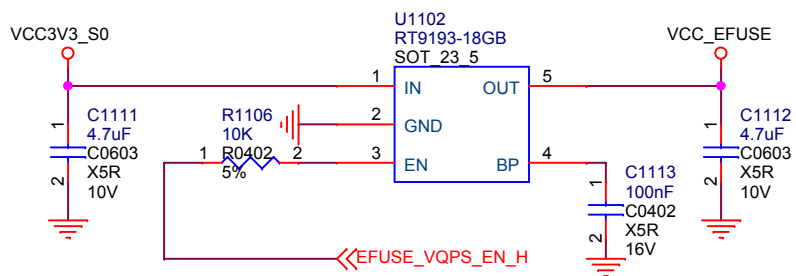
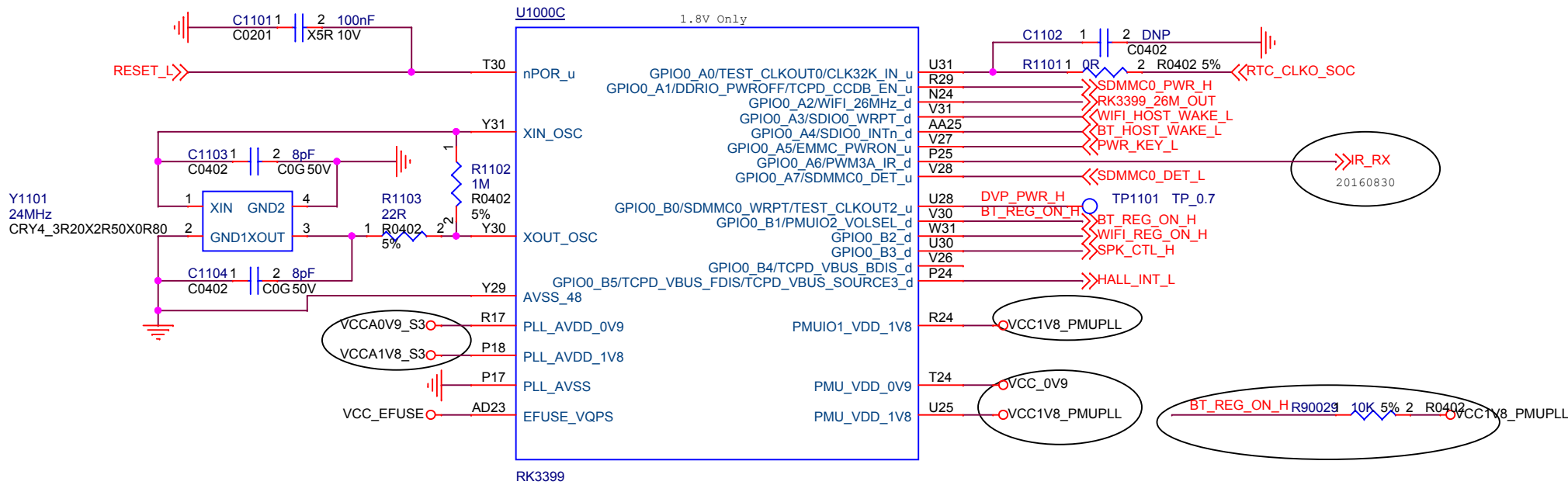
Port	Pin name	Domain	Bus name	Pull-up voltage	Slave Device	Slave Addr (MS 7Bits)	Note	Slave Bus Capability
I2C0	GPIO1_B7/SPI3_RXD/I2C0_SDA GPIO1_C0/SPI3_TXD/I2C0_SCL	PMUIO2 VCC1V8_PMU	I2C_SDA_PMIC I2C_SCL_PMIC	VCC1V8_PMU	TI LP8752-Q1	0x60	DC regulator	100kHz,400KHz,1MHz fast mode+ 3.4MHz high-speed mode
					Rockchip RK808	0x1b	PMIC	
					Fairchild FUSB302B	0x44,0x46	USB-TypeC Mux	100kHz,400KHz,1MHz fast mode+
I2C1	GPIO4_A1/I2C1_SDA GPIO4_A2/I2C1_SCL	APIO5 VCC1V8_IO	I2C_SDA_AUDIO I2C_SCL_AUDIO	VCCA1V8_CODEC	Everest ES8316	0x10	Audio codec	
			I2C_SDA_CAM I2C_SCL_CAM	VCCA1V8_CODEC	Omnivision OV8858	0x6c,0x20	MIPI Camera	
I2C2	GPIO2_A0/VOP_D0/CIF_D0/I2C2_SDA GPIO2_A1/VOP_D1/CIF_D1/I2C2_SCL	APIO2 VCC1V8_IO	Other pin function					
I2C3	GPIO4_C0/I2C3_SDA/UART2B_RX GPIO4_C1/I2C3_SCL/UART2B_TX	APIO4 VCC3V0_IO	I2C_SDA_HDMI I2C_SCL_HDMI	VCC3V0_IO				
I2C4	GPIO1_B3/I2C4_SDA GPIO1_B4/I2C4_SCL	PMUIO2 VCC1V8_IO	I2C_SDA_MEMS I2C_SCL_MEMS	VCC1V8_PMU	Capellamicro CM3218	0x10,0x0c	ALS Sensor	
					AsahiKasei AK8963C		Compass	
					InverSense MPU6500	0x34	Accer+Gyro	
			I2C_SDA_TOUCH I2C_SCL_TOUCH	VCC1V8_TOUCH	Silead GSL3680	0x40	Touch panel	
I2C5	GPIO3_B2/MAC_RXER/I2C5_SDA GPIO3_B3/MAC_CLK/I2C5_SCL	APIO1 VCC3V3_LAN	I2C_SDA_PCIE I2C_SCL_PCIE	VCC3V3_IO				
I2C6	GPIO2_B1/SPI2_RXD/CIF_HREF/I2C6_SDA GPIO2_B2/SPI2_TXD/CIF_CLKIN/I2C6_SCL	APIO2 VCC1V8_IO	I2C_SDA_BAT I2C_SCL_BAT	VCC1V8_DVP	Chrome Battery	0x19	Battery	100KHz
					TI BQ25700	0x6a (I2C) 0x09 (SMBus)	Charger	
					Fairchild FUSB302B	0x44,0x46	USB-TypeC Mux	100kHz,400KHz,1MHz fast mode+
I2C7	GPIO2_A7/VOP_D7/CIF_D7/I2C7_SDA GPIO2_B0/VOP_CLK/CIF_VSYNC/I2C7_SCL	APIO2 VCC1V8_IO	Other pin function					

 Fuzhou Rockchip Electronics	
Project:	RK3399_Excavator
File:	I2C MAP
Date:	Thursday, November 10, 2016
Designed by:	Linus
Rev:	V1.0
Sheet:	2 of 18

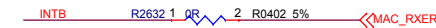


		Fuzhou Rockchip Electronics	
Project:		RK3399_Excavator	
File:		POWER DEMAIN	
Date:	Thursday, November 10, 2016	Rev:	V1.0
Designed by:	Linus	Sheet:	3 of 18

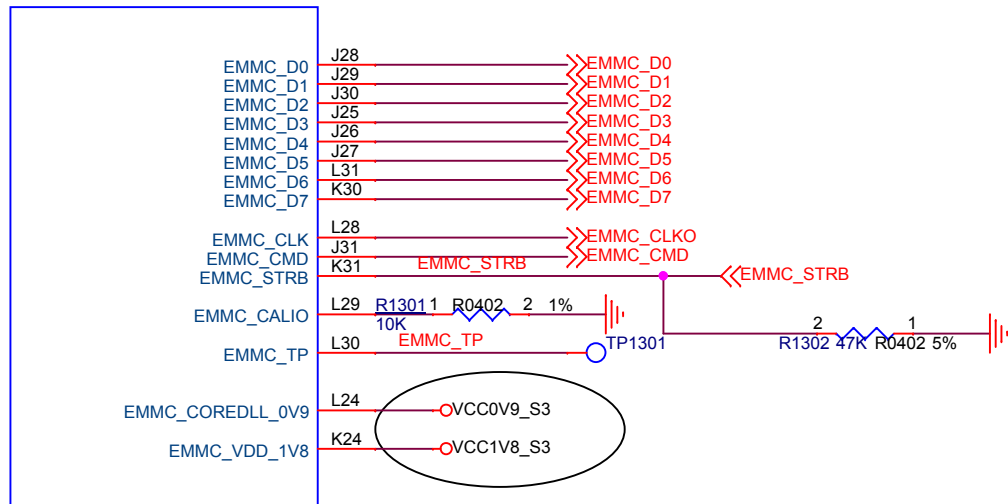




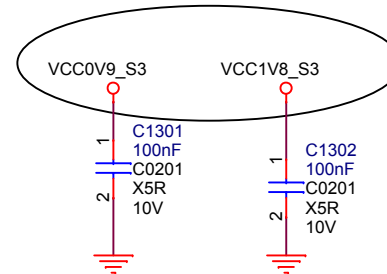
Rockchip 瑞芯微电子 Fuzhou Rockchip Electronics			
Project:		RK3399_Excavator	
File:		PMU	
Date:	Thursday, November 10, 2016	Rev:	V1.0
Designed by:	Linus	Sheet:	6 of 18



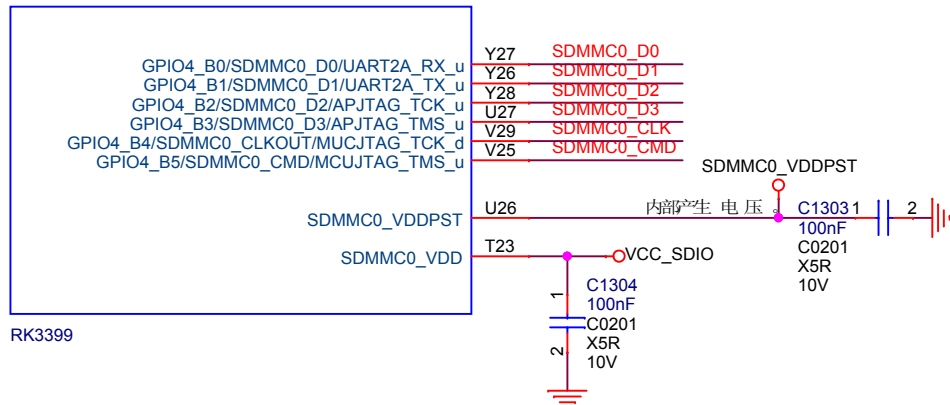
U1000H



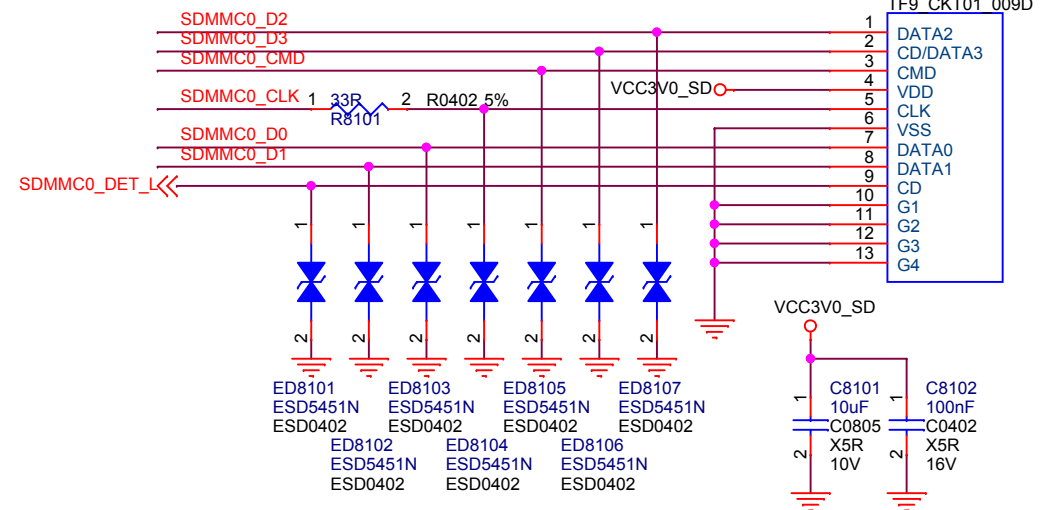
RK3399



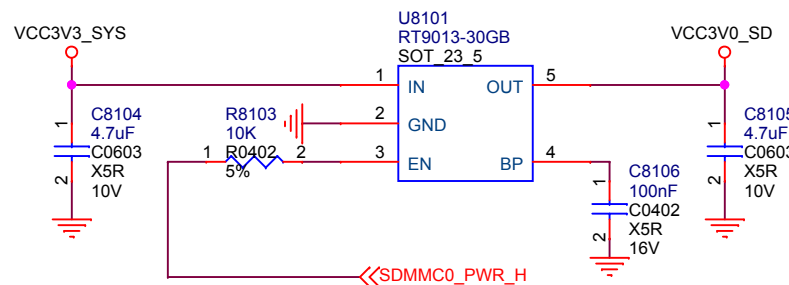
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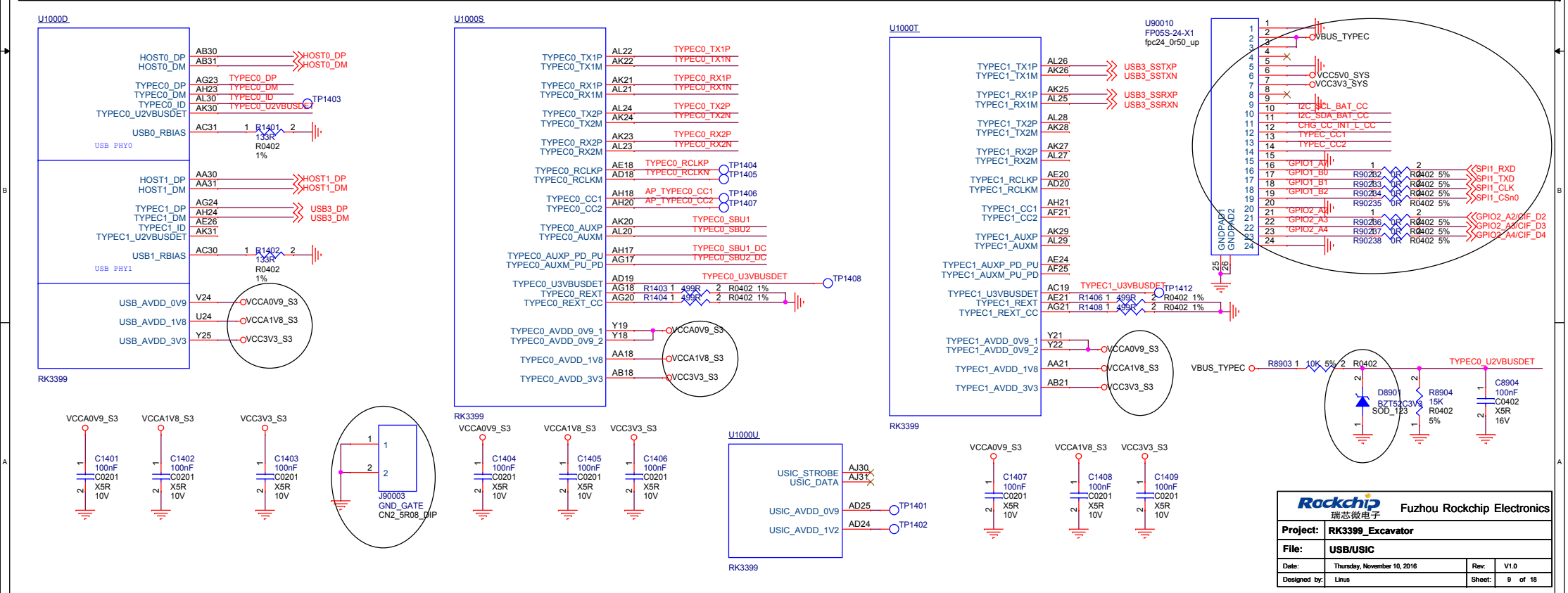
RK3399

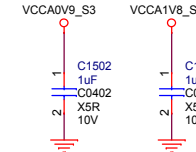
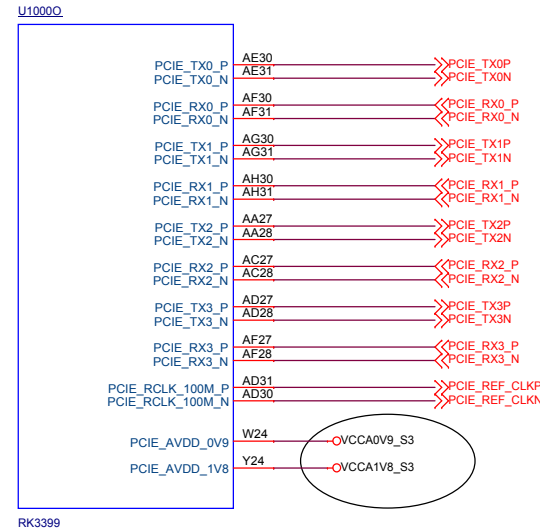
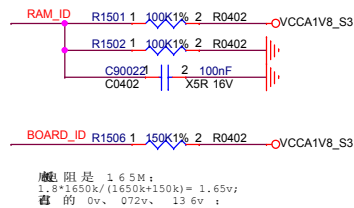
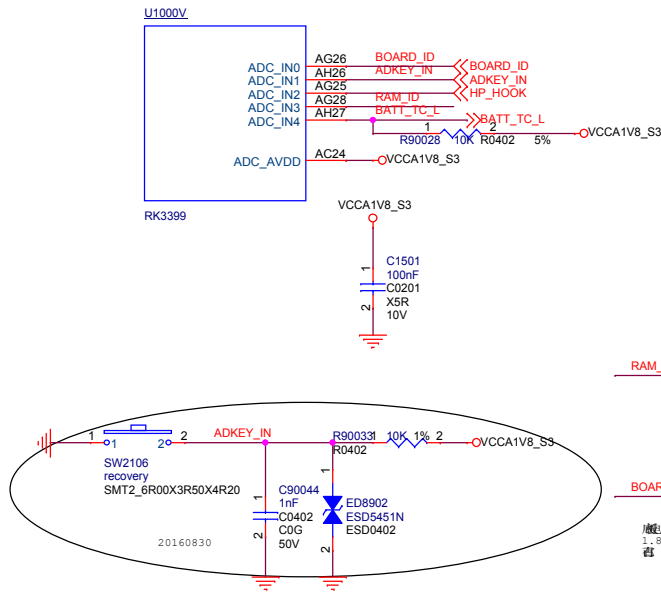


TF CARD



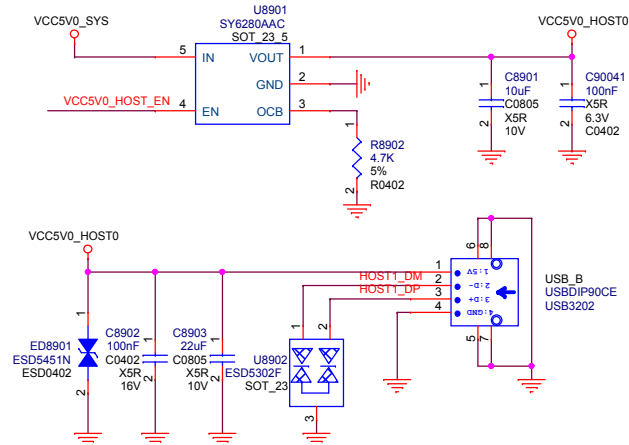
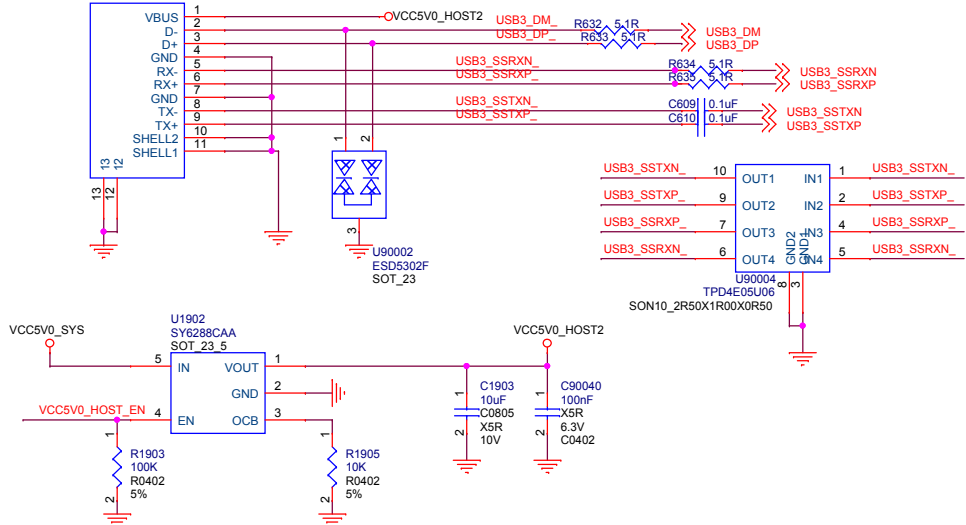
Rockchip 瑞芯微电子 Fuzhou Rockchip Electronics			
Project:		RK3399_Excavator	
File:		FLASH/SDMMC	
Date:	Thursday, November 10, 2016	Rev:	V1.0
Designed by:	Linus	Sheet:	8 of 18





USB2.0 Host / SUB3.0 Host

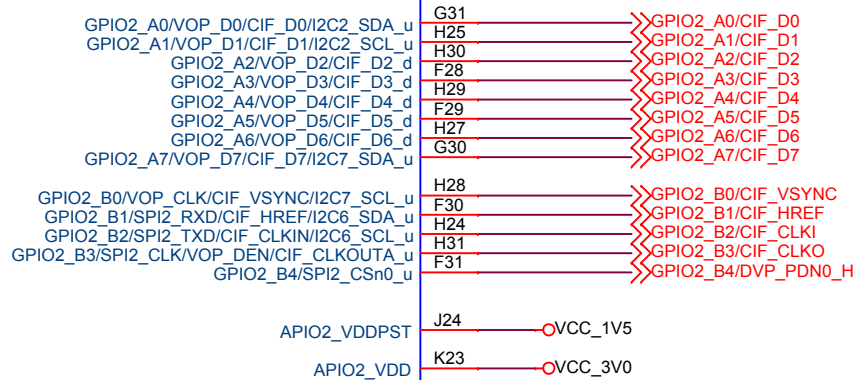
CON602
 USB_A_30
 usb30a9_25f70x732x13r85



HOST1_DM
 HOST1_DP
 VCC5V0_HOST_EN

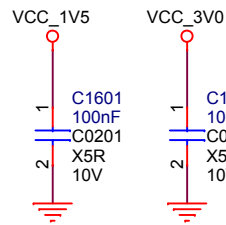
Fuzhou Rockchip Electronics 瑞芯微电子	
Project:	RK3399_Excavator
File:	SARADC
Date:	Thursday, November 10, 2016
Designed by:	Linus
Rev:	V1.0
Sheet:	10 of 18

U1000L

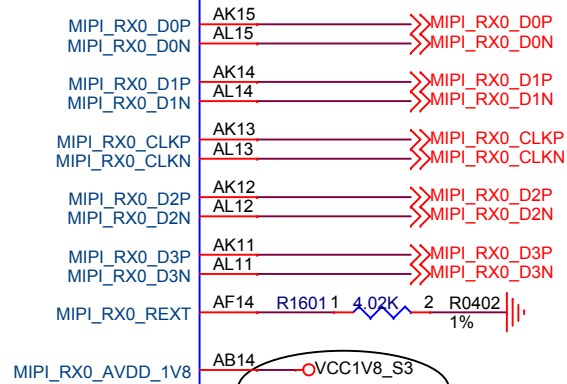


RK3399

func1	func2	func3
GPIO2_A0/CIF_D0		I2C2_SDA
GPIO2_A1/CIF_D1		I2C2_SCL
GPIO2_A7/CIF_D7		I2C7_SDA
GPIO2_B0/CIF_VSYNC		I2C7_SCL
GPIO2_B1/CIF_HREF	SPI2_RXD	I2C6_SDA
GPIO2_B2/CIF_CLKI	SPI2_TXD	I2C6_SCL
GPIO2_B3/CIF_CLKO	SPI2_CLK	
GPIO2_B4/DVP_PDN0_H	SPI2_CSN	



U1000R

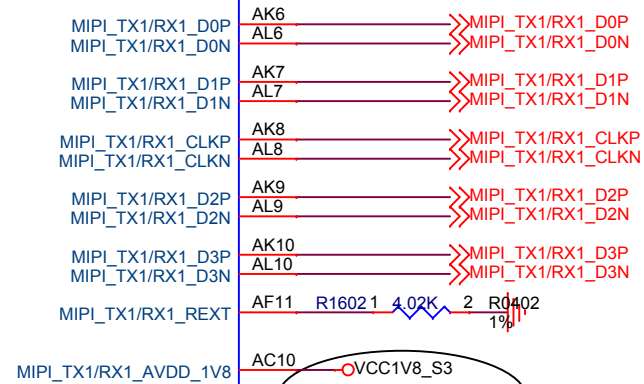


RK3399

VCC1V8_S3

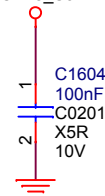


U1000P



RK3399

VCC1V8_S3



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Fuzhou Rockchip Electronics

Project: RK3399_Excavator

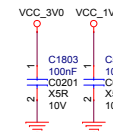
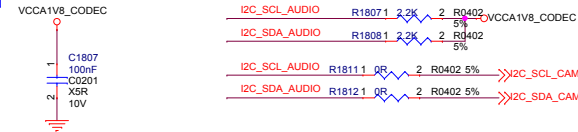
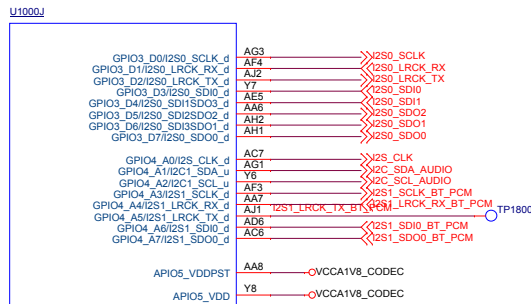
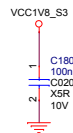
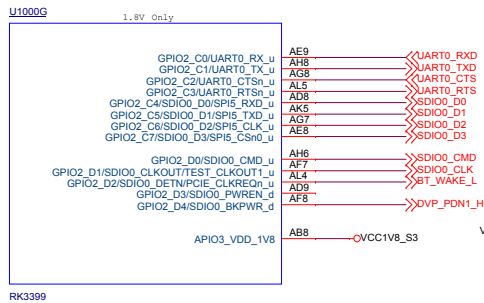
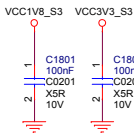
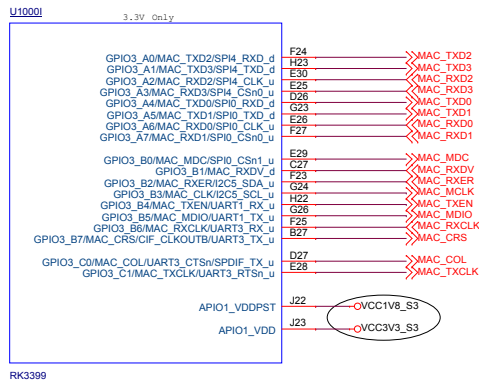
File: rk3399_dvp

Date: Thursday, November 10, 2016

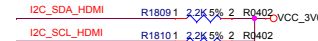
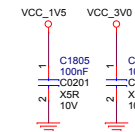
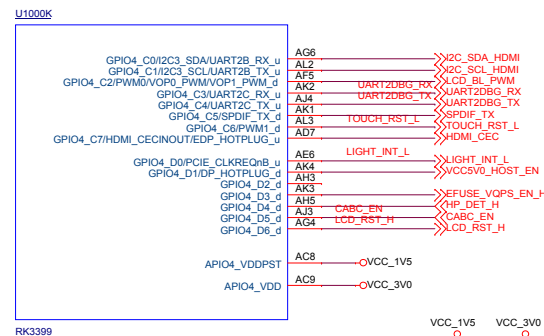
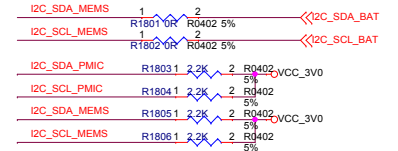
Rev: V1.0

Designed by: Linus

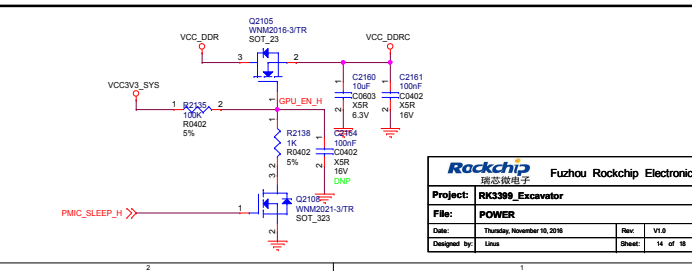
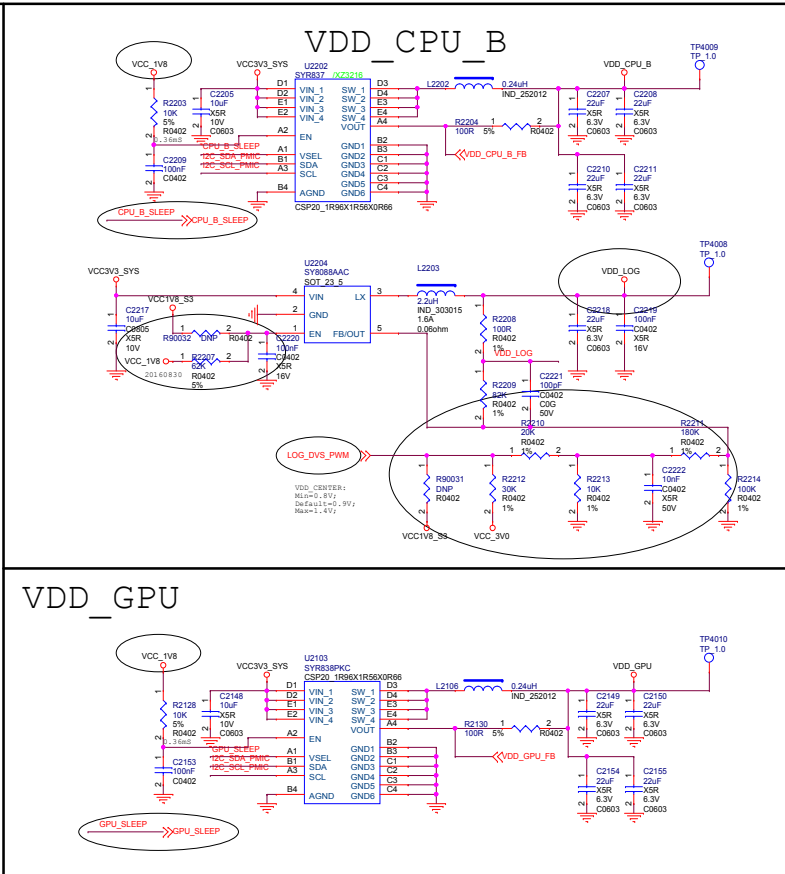
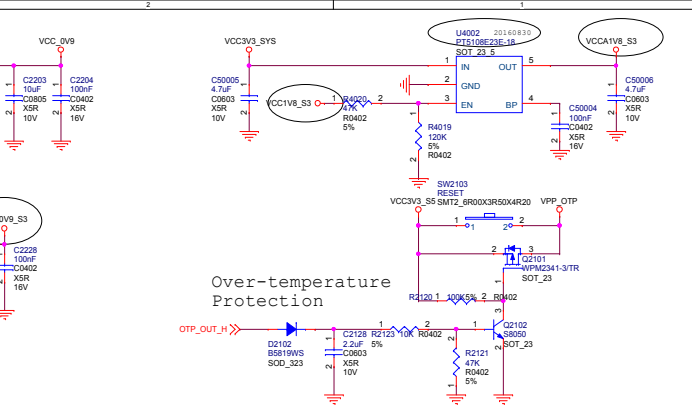
Sheet: 11 of 18



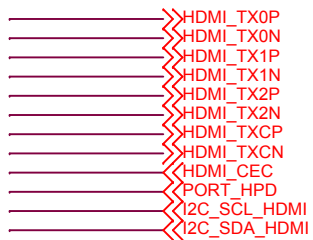
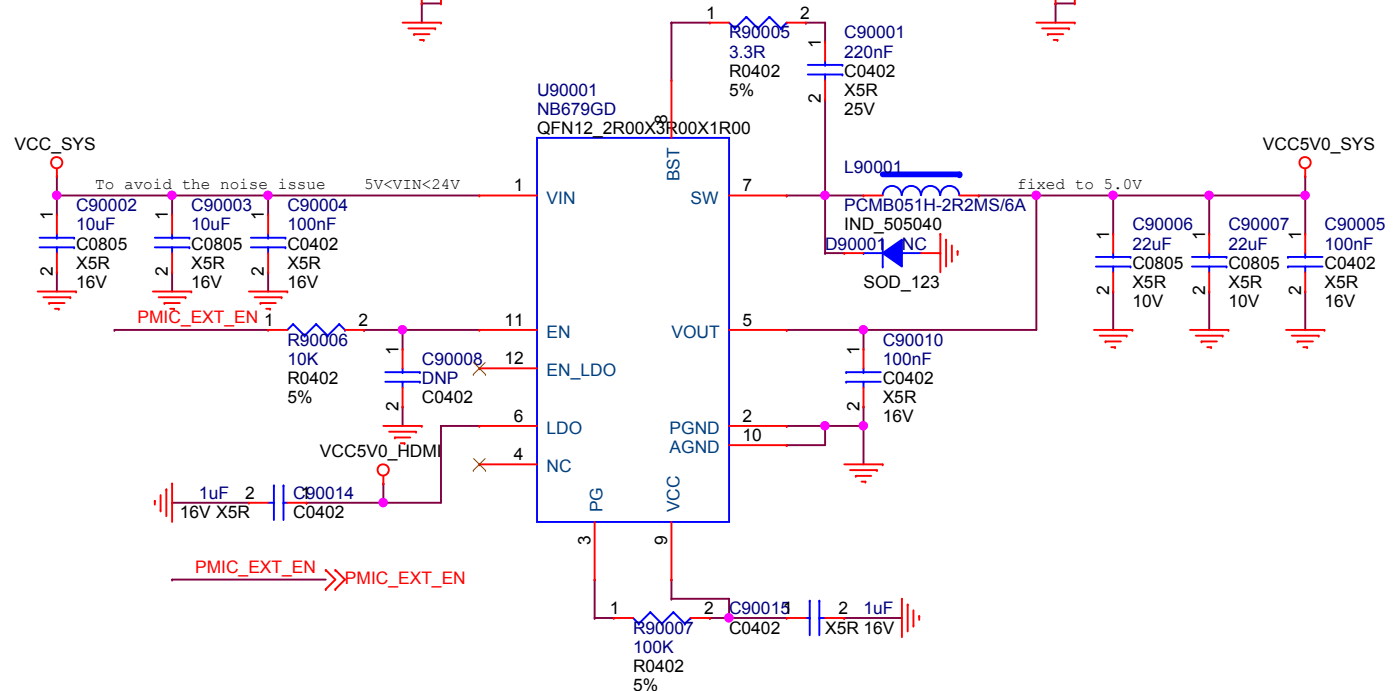
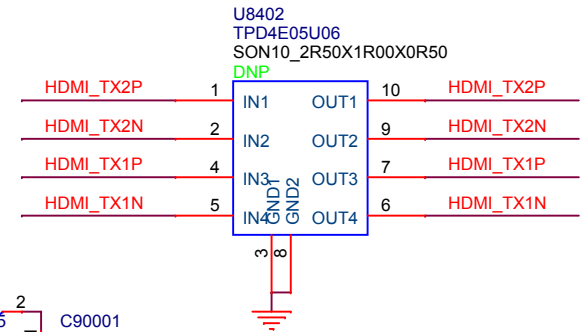
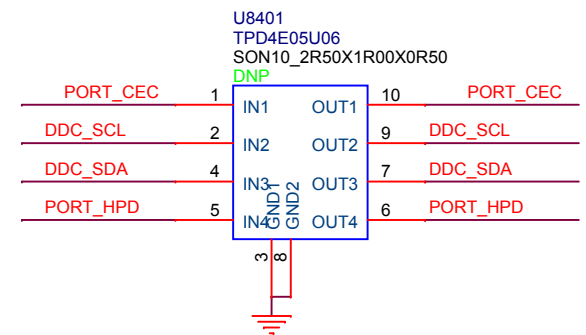
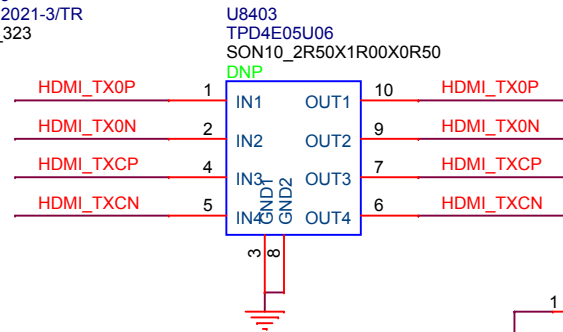
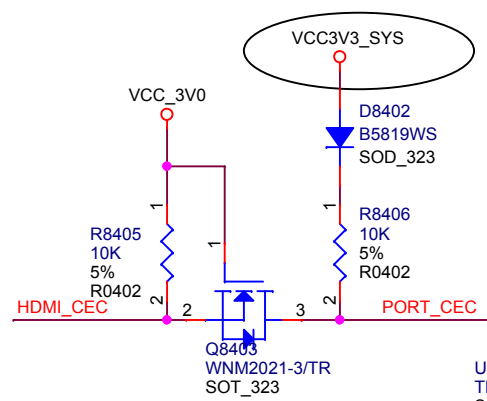
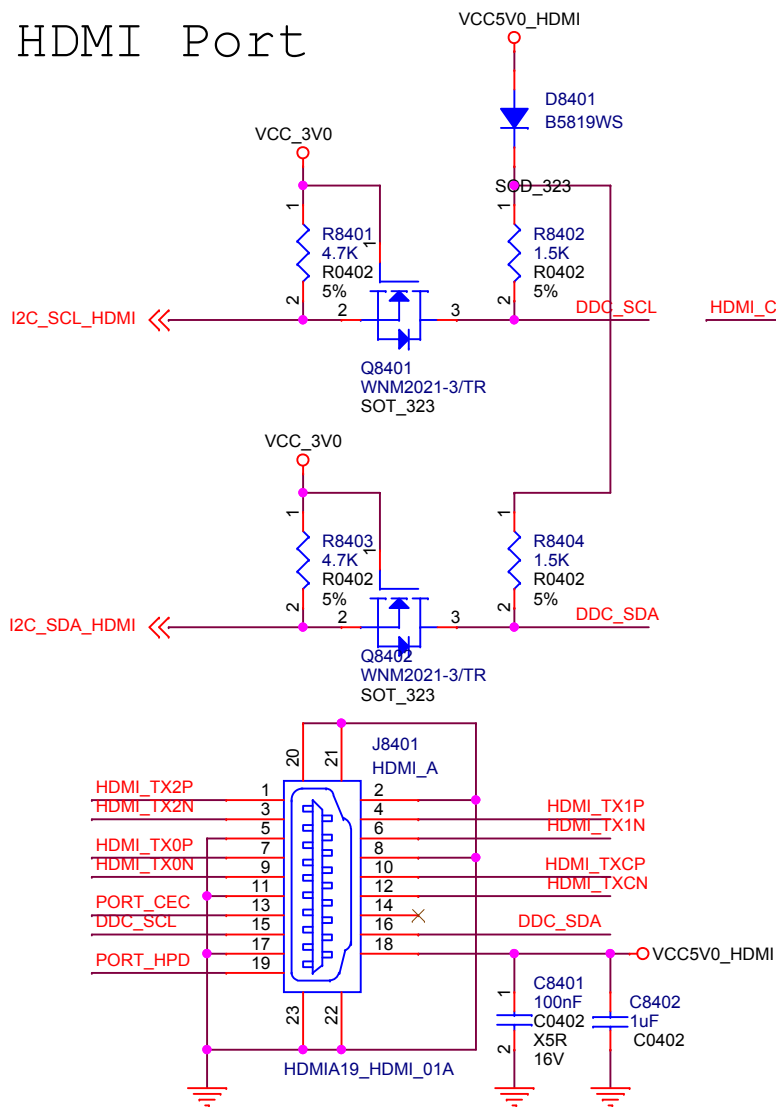
1.8V Only	VDDPST=VDDIO=1.8V
3.3V Only	VDDPST=1.8V, VDDIO=3.3V
other	3.0V mode: VDDPST=1.5V, VDDIO=3.0V 1.8V mode: VDDPST=1.8V, VDDIO=1.8V



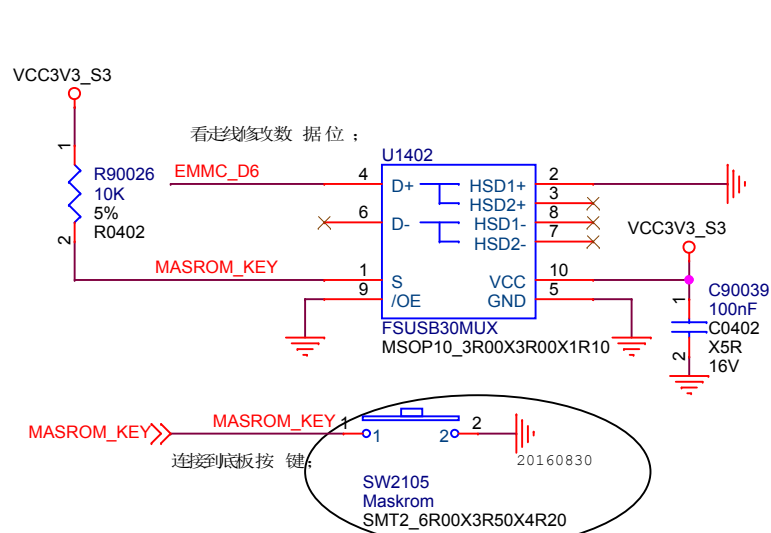
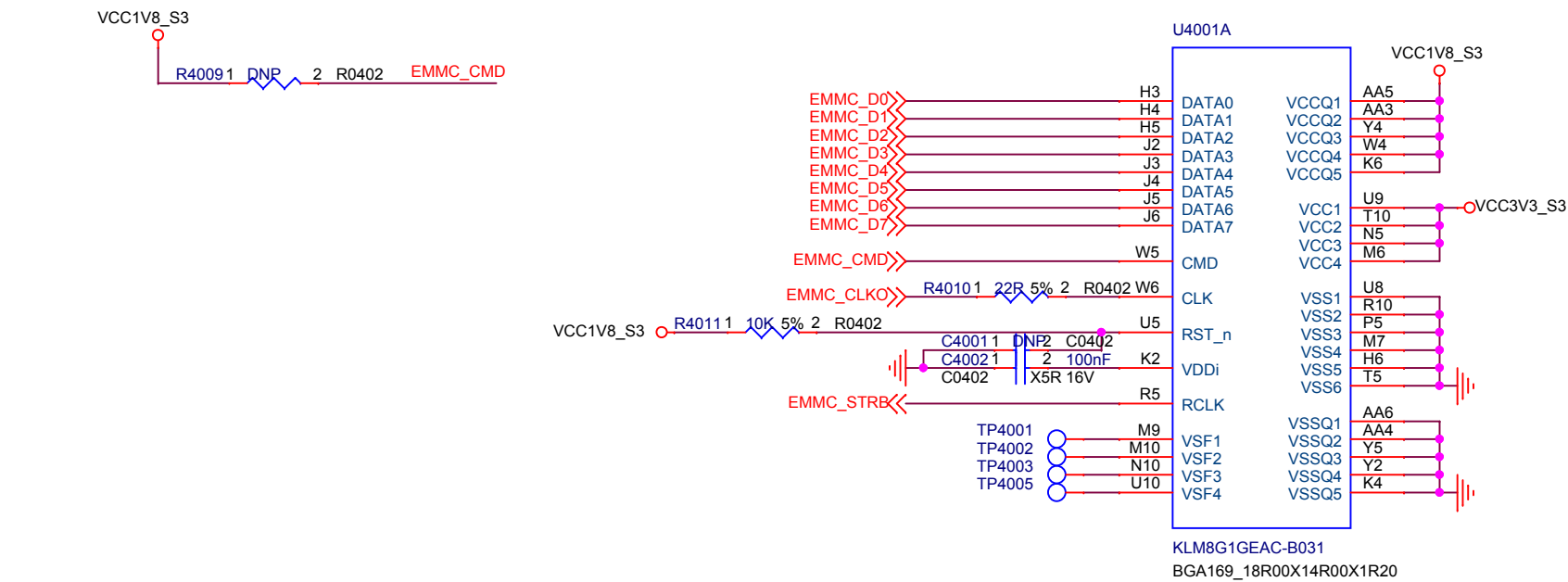
Rockchip Fuzhou Rockchip Electronics 瑞芯微电子			
Project: RK3399_Excavator			
File: gpio			
Date:	Thursday, November 10, 2016	Rev:	V1.0
Designed by:	Lius	Sheet:	13 of 18



HDMI Port



eMMC FLASH



Truth Table

S	OE	Function
X	H	Disconnect
L	L	D+, D- = HSD1 _n
H	L	D+, D- = HSD2 _n



Fuzhou Rockchip Electronics

Project: RK3399_Excavator			
File: EMMC			
Date:	Thursday, November 10, 2016	Rev:	V1.0
Designed by:	Linus	Sheet:	17 of 18

LPDDR3

