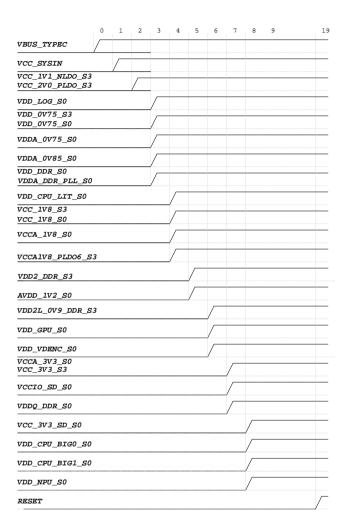


## **Power Sequence**

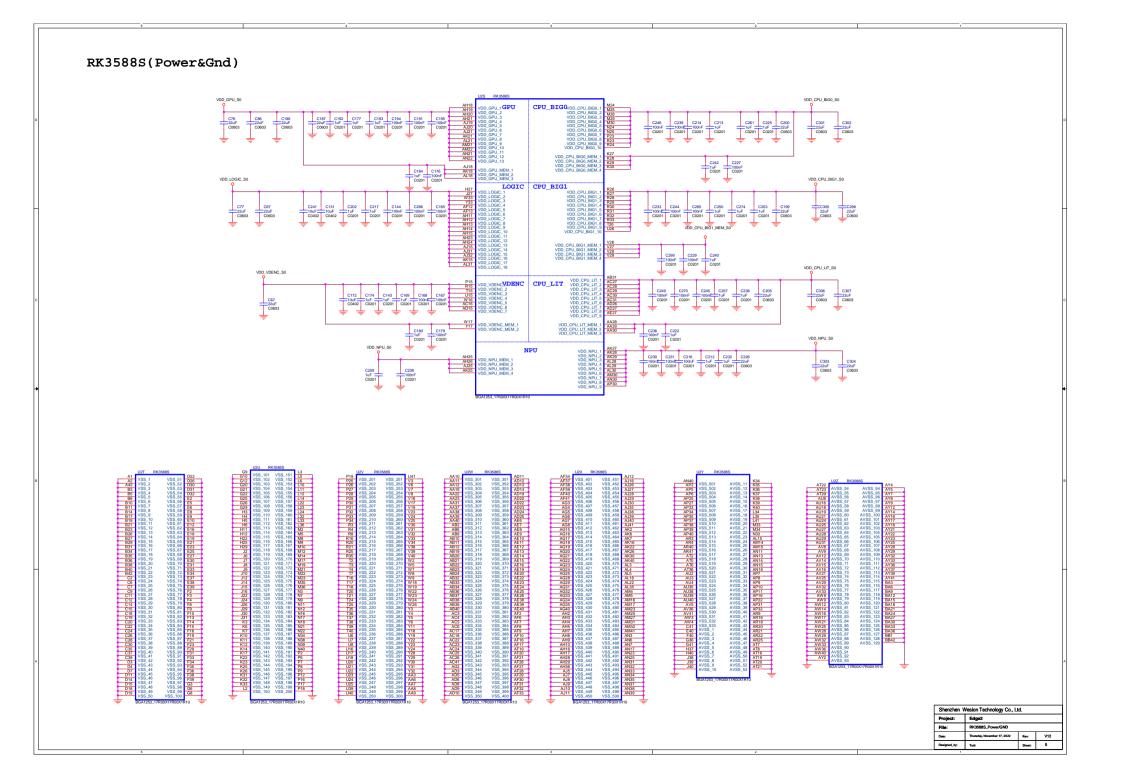


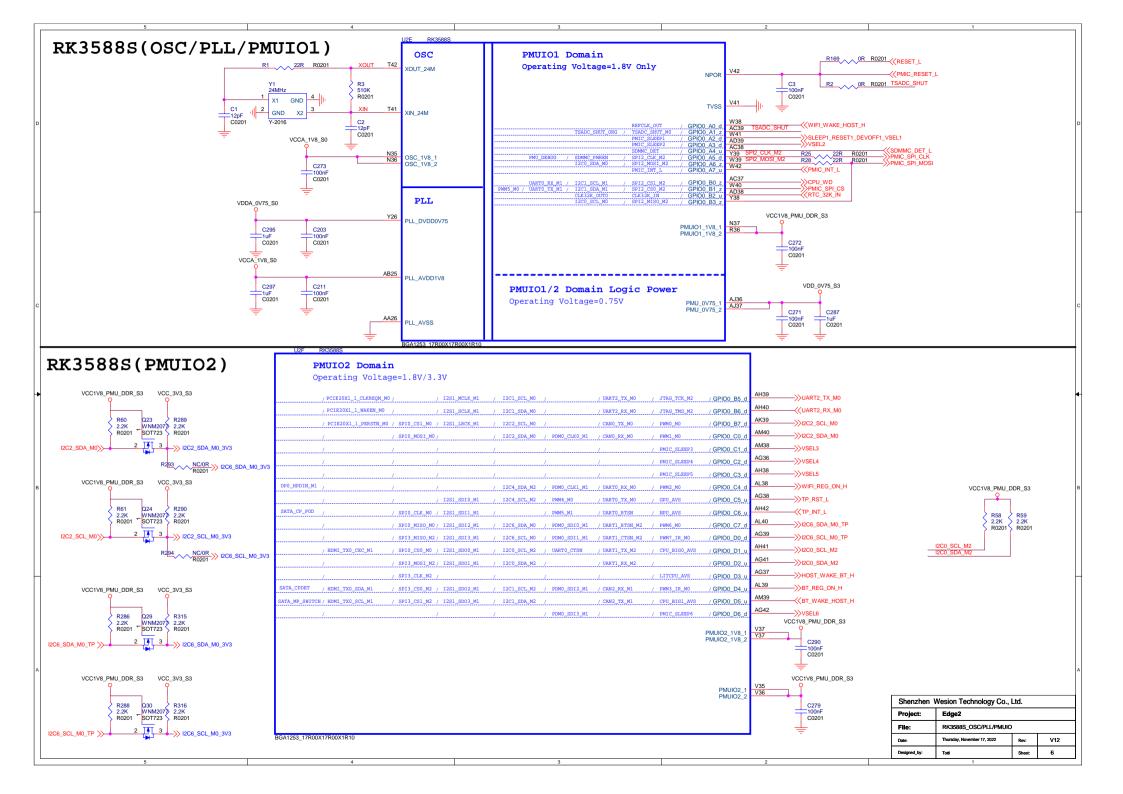
Power Supply	PMIC Channel	Supply Limit	Power Name	Time Slot	Default Voltage	Default ON/OFF	Sleep ON/OFF	Peak Current	Sleep Current
VCC_SYSIN	RK806-1_BUCK1	6.5A	VDD_GPU_S0	Slot:5	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	RK806-1_BUCK2	5A	VDD_CPU_LIT_S0	Slot:3	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	RK806-1_BUCK3	5A	VDD_LOG_S0	Slot:2	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	RK806-1_BUCK4	3A	VDD_VDENC_S0	Slot:5	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	RK806-1_BUCK5	2.5A	VDD_DDR_S0	Slot:2	0.85V	ON	OFF	TBD	TBD
VCC_SYSIN	RK806-1_BUCK6	2.5A	VDD2_DDR_S3	Slot:4	ADJ FB=0.5V	ON	ON	TBD	TBD
VCC_SYSIN	RK806-1_BUCK7	2.5A	VCC_2VO_PLDO_S3	Slot:1	2.0V	ON	ON	TBD	TBD
VCC_SYSIN	RK806-1_BUCK8	2.5A	VCC_3V3_S3	Slot:6	3.3V	ON	ON	TBD	TBD
VCC_SYSIN	RK806-1_BUCK9	2.5A	VDDQ_DDR_S0	Slot:6	ADJ FB=0.5V	ON	OFF	TBD	TBD
VCC_SYSIN	RK806-1_BUCK10	2.5A	VCC_1V8_S3	Slot:3	1.8V	ON	ON	TBD	TBD
	RK806-1_PLD01	0.5A	VCC_1V8_S0	Slot:3	1.8V	ON	OFF	TBD	TBD
VCC_2VO_PLDO_S3	RK806-1_PLD02	0.3A	VCCA_1V8_S0	Slot:3	1.8V	ON	OFF	TBD	TBD
	RK806-1_PLDO3	0.3A	VDDA_1V2_S0	Slot:4	1.2V	ON	OFF	TBD	TBD
	RK806-1_PLDO4	0.5A	VCCA_3V3_SO	Slot:6	3.3V	ON	OFF	TBD	TBD
VCC_SYSIN	RK806-1_PLD05	0.3A	VCCIO_SD_SO	Slot:6	3.3V	ON	OFF	TBD	TBD
	RK806-1_PLD06	0.3A	VCCA1V8_PLDO6_S3	Slot:3	1.8V	ON	ON	TBD	TBD
	RK806-1_NLDO1	0.3A	VDD_0V75_S3	Slot:2	0.75V	ON	ON	TBD	TBD
VCC 1V1 NLDO S3	RK806-1_NLDO2	0.3A	VDDA_DDR_PLL_S0	Slot:2	0.85V	ON	OFF	TBD	TBD
VCC_1V1_NLDO_33	RK806-1_NLDO3	0.5A	VDDA_0V75_S0	Slot:2	0.75V	ON	OFF	TBD	TBD
	RK806-1_NLDO4	0.5A	VDDA_0V85_S0	Slot:2	0.85V	ON	OFF	TBD	TBD
VCC_1V1_NLDO_S3	RK806-1_NLD05	0.3A	VDD_0V75_S0	Slot:2	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	BUCK_RK860-2	6A	VDD_CPU_BIGO_SO	Slot:6A	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	BUCK_RK860-3	6A	VDD_CPU_BIG1_S0	Slot:6A	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	BUCK_RK860-2	6A	VDD_NPU_SO	Slot:6A	0.75V	ON	OFF	TBD	TBD
VCC_SYSIN	EXT BUCK	2A	VCC_1V1_NLDO_S3	Slot:1	1.1V	ON	ON	TBD	TBD

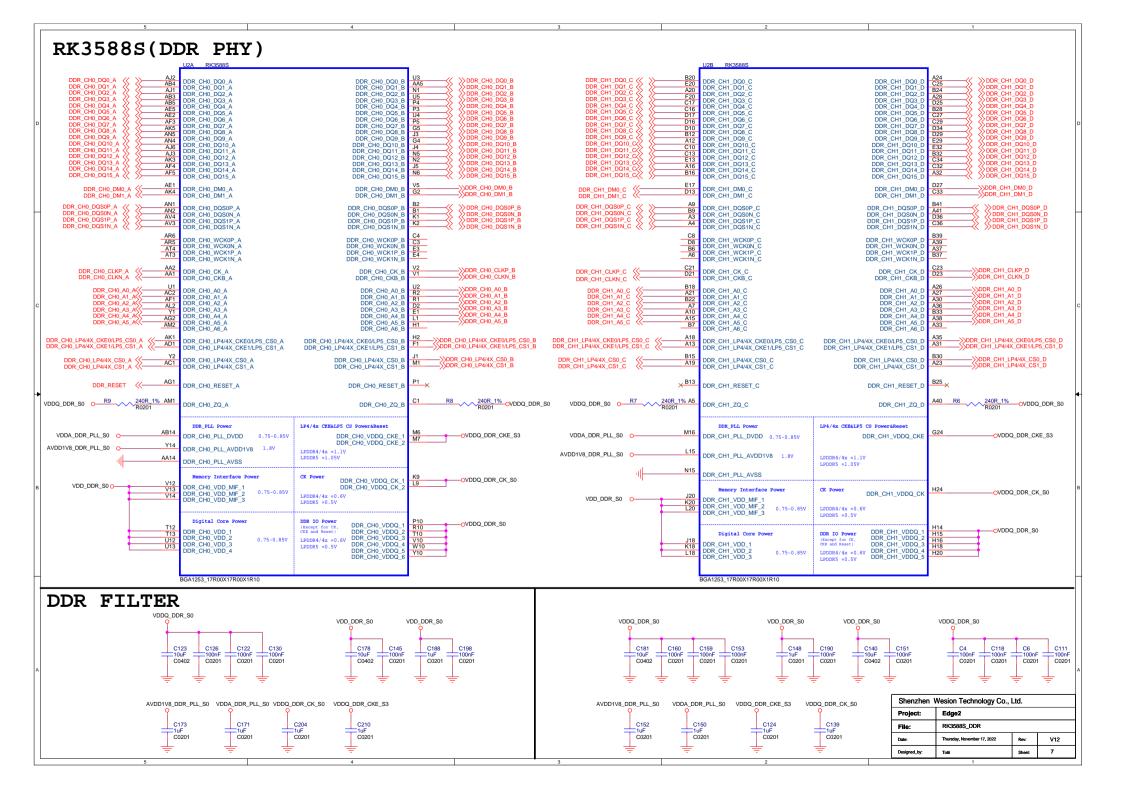
# 10 Power Domain Map

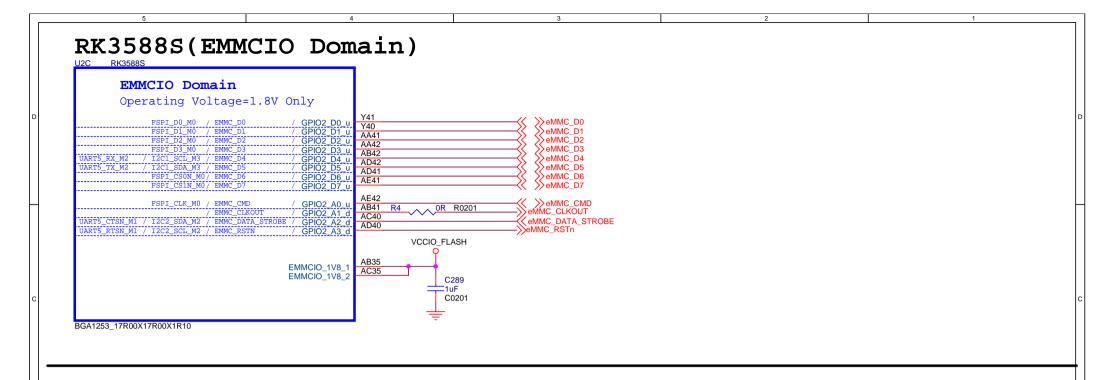
IO Domain	Pin Num	Support IO Voltage	Supply Power Pin Name	Power Source	Operating Voltage
PMUIO1	Pin N36 N37	1.8V Only	PMUIO1_1V8	VCC_1V8_S3	1.8V
PMUIO2	Pin V37 Y37 Pin V35 V36	1.8V or 3.3V	PMUIO2_1V8 PMUIO2	VCC_1V8_S3 VCC_1V8_S3	1.8V 1.8V
EMMCIO	Pin AC35 Pin AC36	1.8V Only	EMMCIO_1V8	VCC_1V8_S0	1.8V
VCCIO1	Pin H31	1.8V Only	VCCIO1_1V8	VCC_1V8_S0	1.8V
VCC1O2	Pin AK11 Pin AK10	1.8V or 3.3V	VCCIO2_1V8 VCCIO2	VCC_1V8_S0 VCC_IO_SD	1.8V 1.8V/3.3V
VCCIO4	Pin G27 G28 Pin G31	1.8V or 3.3V	VCCIO4_1V8 VCCIO4	VCC_1V8_S0 VCC_1V8_S0	1.8V 1.8V
VCC105	Pin AF35 AF36 Pin AC33 AC34	1.8V or 3.3V	VCCIO5_1V8 VCCIO5	VCC_1V8_S0 VCC_1V8_S0	1.8V 1.8V
VCCIO6	Pin AJ34 Pin AL33 AM33	1.8V or 3.3V	VCCIO6_1V8 VCCIO6	VCC_1V8_S0 VCC_3V3_S0	1.8V 3.3V

Shenzhen Wesion Technology Co., Ltd.					
Project:	Edge2				
File:	System Power Sequence				
Date:	Thursday, November 17, 2022	Rev:	V12		
Designed_by:	Totti	Sheet:	4		

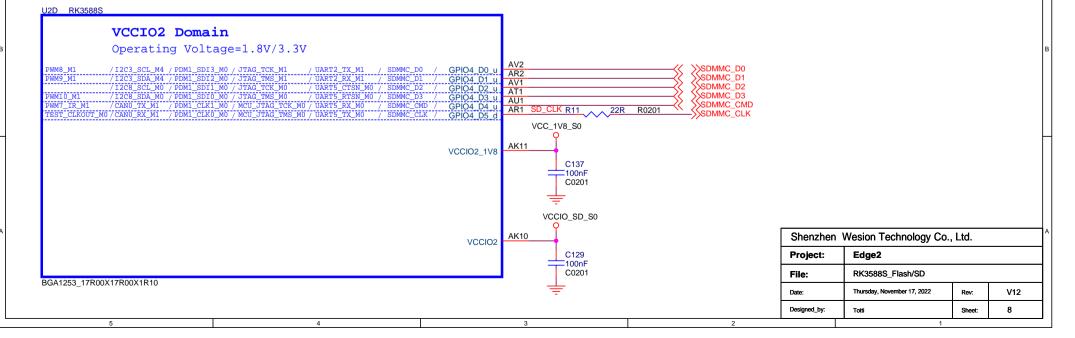


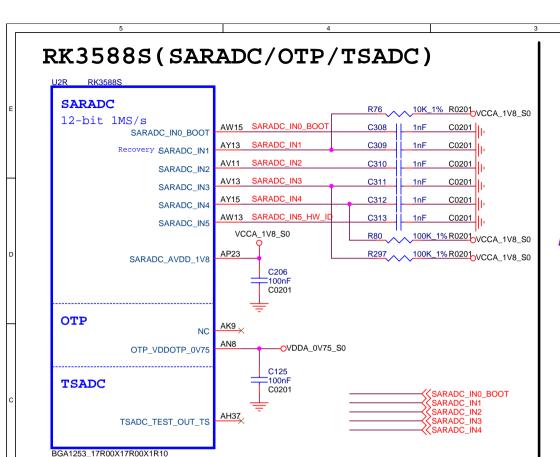




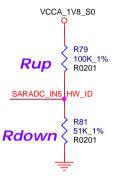


## RK3588S(VCCIO2 Domain)



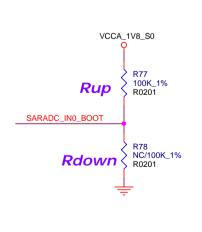


### BOARD ID CONFIG



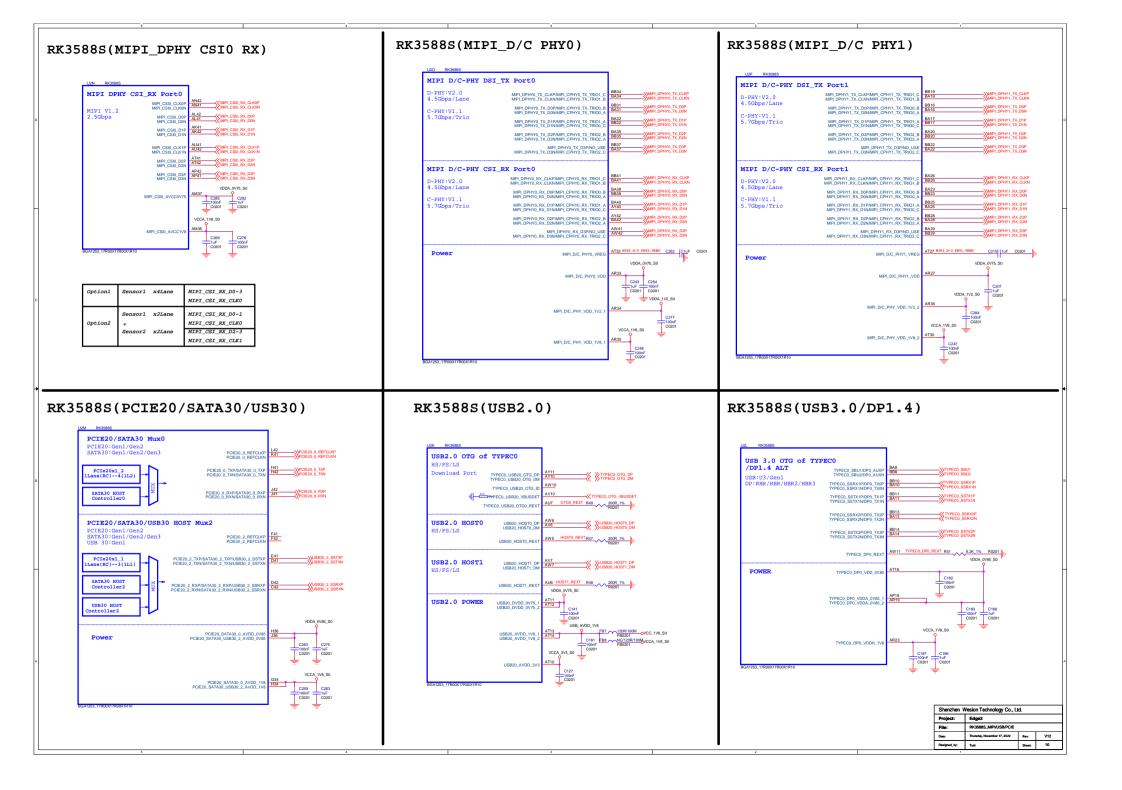
Item	Rup	Rdown	ADC	VERSION
LEVEL1	DNP	100K	o	V10
LEVEL2	100K	20K	682	V11
LEVEL3	100K	51K	1365	V12
LEVEL4	100K	100K	2047	V13
LEVEL5	100K	200K	2730	V14
LEVEL6	100K	499K	3412	V15
LEVEL7	100K	DNP	4095	V16

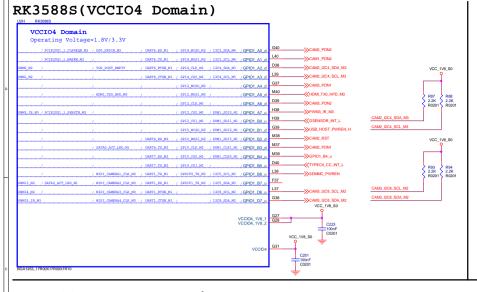
#### BOOT MODE CONFIG



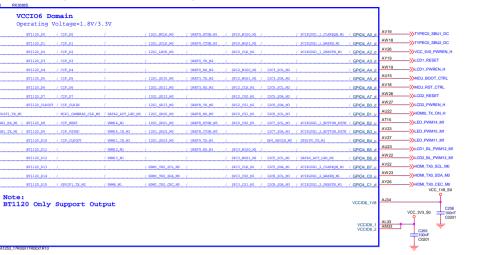
Item	Rup	Rdown	ADC	BOOT MODE
LEVEL1	DNP	100K	o	USB (Maskrom mode)
LEVEL2	100K	20K	682	SD Card-USB
LEVEL3	100K	51K	1365	EMMC-USB
LEVEL4	100K	100K	2047	FSPI MO-USB
LEVEL5	100K	200K	2730	FSPI M1-USB
LEVEL6	100K	499K	3412	FSPI M2-USB
LEVEL7	100K	DNP	4095	FSPI_M2-FSPI_M0-EMMC -SD Card-USB

Shenzhen \	Wesion Technology Co.,	Ltd.		
Project:	Edge2			А
File:	RK3588S_SARADC			
Date:	Thursday, December 15, 2022	Rev:	V12	
Designed_by:	Totti	Sheet:	9	

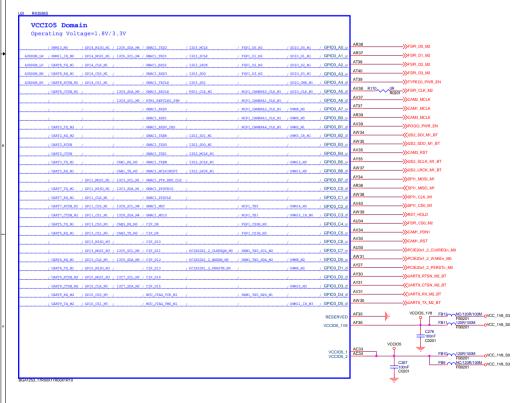




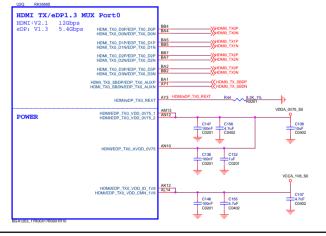




#### RK3588S(VCCIO5 Domain)



#### RK3588S(HDMI2.1 TX/eDP1.3 TX)



#### RK3588S(VCCIO1 Domain)



rolect:	Edge2
Shenzhen V	Vesion Technology Co., Ltd.
2C3_SCL_M0	CODEC
2C3_SDA_M0	CODEC
	R0201 R0201

Sheet 11

RK3588S\_GPIO/HDM

