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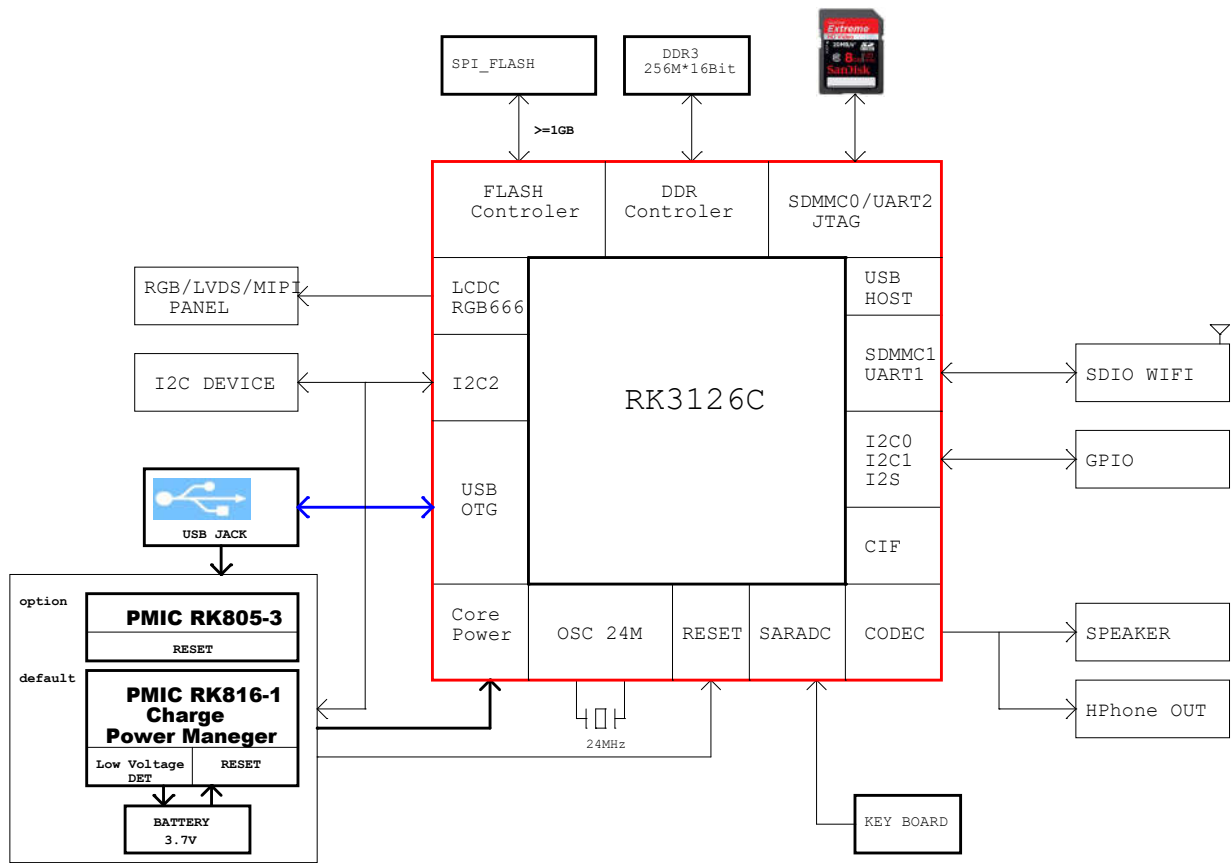
PCB POWER WIRE WIDTH INDICATE

XXXXX	above 80 miles
XXXXX	above 50 miles
XXXXX	above 30 miles
XXXXX	above 16 miles
No indicate	Under needs

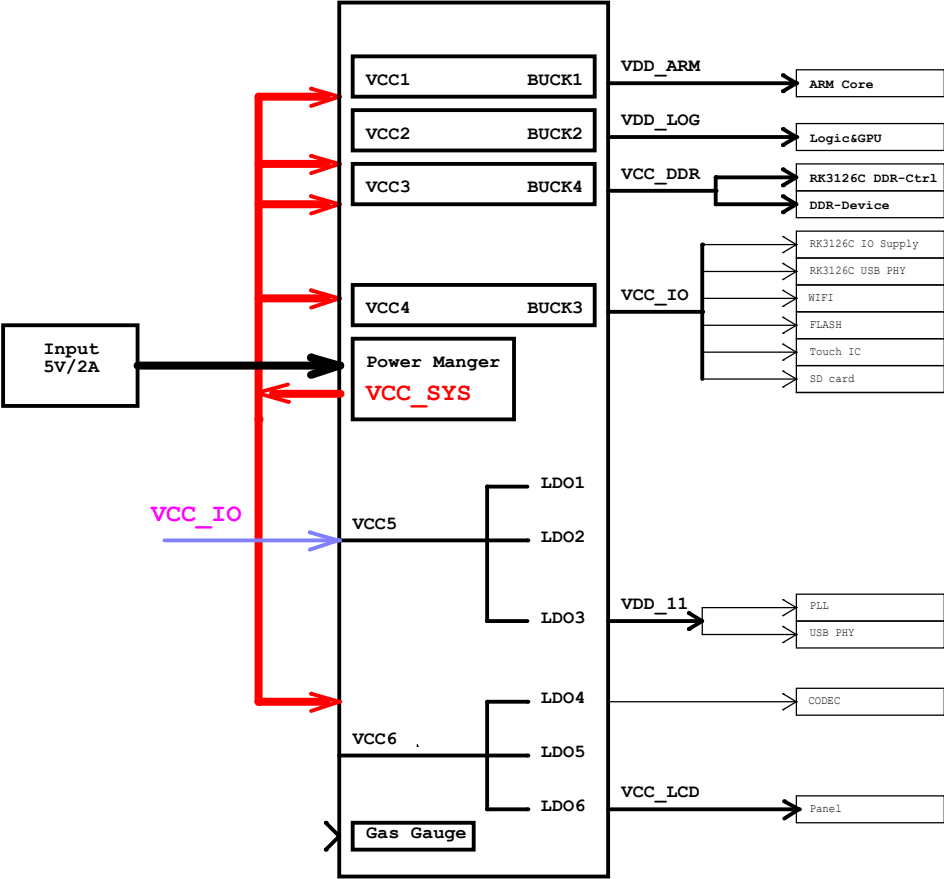
4 LAYERS PCB STACK(e.g. PCB=0.8mm)

TOP	Prepreg 1080*1 (75um)	Silkscreen (20um) 1oz (35um)
GND	Adjust Core (465um)	Hoz (18um)
POWER	Prepreg 1080*1 (75um)	Hoz (18um)
BOTTOM		1oz (35um) Silkscreen (20um)


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Project: RK3126C_DPF_REF			
File: 01.Index			
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Designed by: HXS		Sheet: 1 of 23	



POWER DIAGRAM



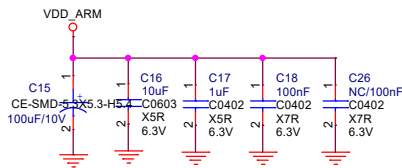
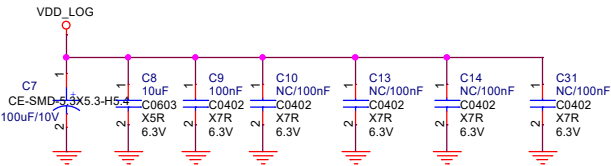
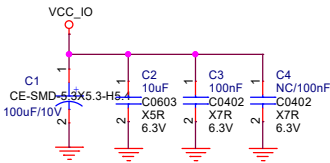
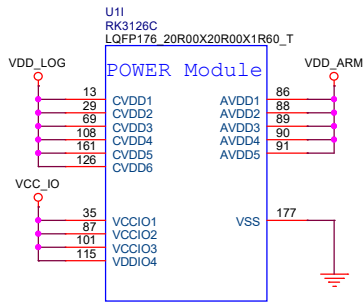
PMU Channel	TIMER (2ms)	default ON/OFF	default voltage	RK3126C
DCDC1	slot:2	ON	1.1V	VDD_ARM
DCDC2	slot:1	ON	1.1V	VDD_LOG
DCDC4	slot:1	ON	3.3V	K3C-IO/VCCIO_WL/VCC_SB FLASH/VCCA
DCDC3	slot:3	0.8V ON	DDR3 1.5V DDR2 1.8V	VCC_DDR
VLD01	X	OFF		
VLD02	slot:1	ON		
VLD03	slot:1	ON	1.1V	VDD_11
VLD04	X	OFF		
VLD05	slot:4	ON		
VLD06	slot:4	ON	3.0V	VCC_LCD
RESET	58ms	ON	OD	RESET

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瑞芯微电子

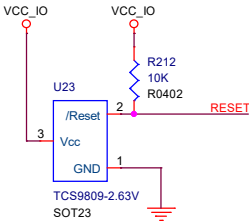
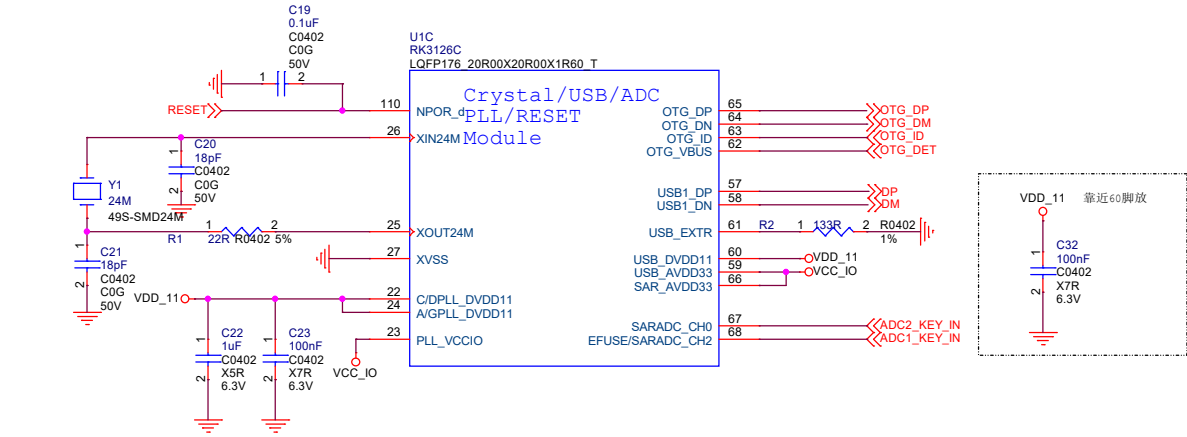
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File: 04.Power Tree	
Date: Thursday, May 23, 2019	Rev: V10
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RK3126C CORE POWER FILTER

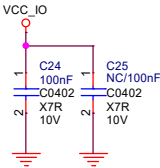
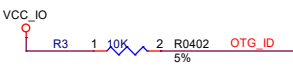
Note:
Place these filter capacitors under or close to CPU.



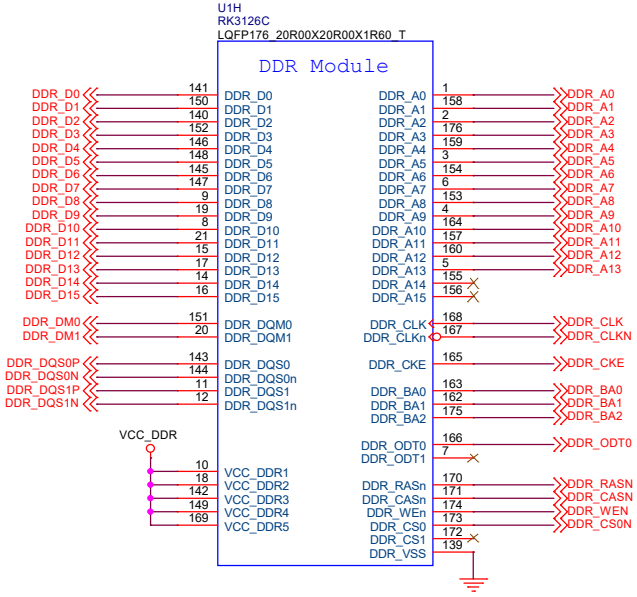
Rockchip 瑞芯微电子		Fuzhou Rockchip Electronics CO.,LTD	
Project: RK3126C_DPF_REF			
File: 05.RK3126C POWER			
Date: Tuesday, May 28, 2019		Rev: V10	
Designed by: HXS		Sheet: 5 of 23	



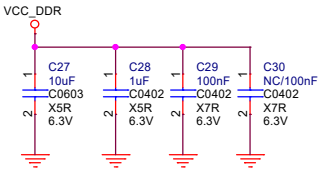
RESET IC



Rockchip 瑞芯微电子 Fuzhou Rockchip Electronics CO.,LTD			
Project: RK3126C_DPF_REF			
File: 06.RK3126C_MSC&USB			
Date: Tuesday, May 28, 2019	Rev: V10		
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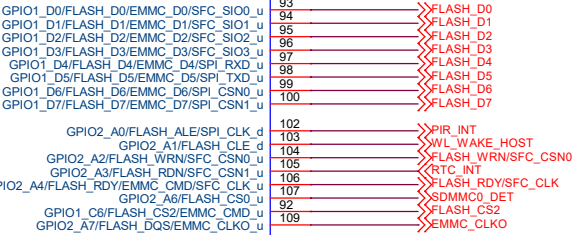
DDR Controller Power Filter



Rockchip		Fuzhou Rockchip Electronics CO.,LTD	
瑞芯微电子			
Project:		RK3126C_DPF_REF	
File:		07.RK3126C DDR Controller	
Date:	Thursday, May 23, 2019	Rev:	V10
Designed by:	HXS	Sheet:	7 of 23

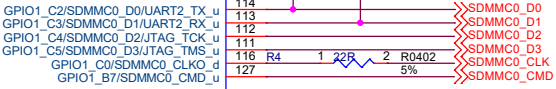
U1E
RK3126C
LQFP176_20R00X20R00X1R60_T

NAND FLASH Module

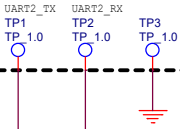


U1D
RK3126C
LQFP176_20R00X20R00X1R60_T

SDMMC Module

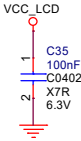
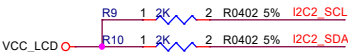
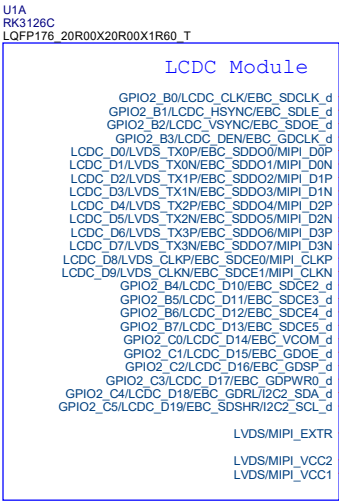


Used for UART debug, please place together
Layout Note: As soon as possible reduce the
branch of signals

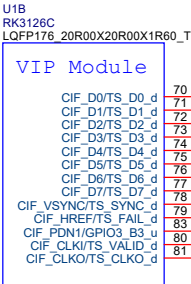



Rockchip		Fuzhou Rockchip Electronics CO.,LTD	
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Project:		RK3126C_DPF_REF	
File:		06.RK3126C Flash/SD Controller	
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LCD模块



Correspondence between LCDC DATA and RGB			
LCDC_D0	B2	LCDC_D9	G5
LCDC_D1	B3	LCDC_D10	G6
LCDC_D2	B4	LCDC_D11	G7
LCDC_D3	B5	LCDC_D12	R2
LCDC_D4	B6	LCDC_D13	R3
LCDC_D5	B7	LCDC_D14	R4
LCDC_D6	G2	LCDC_D15	R5
LCDC_D7	G3	LCDC_D16	R6
LCDC_D8	G4	LCDC_D17	R7





Fuzhou Rockchip Electronics CO.,LTD

Project:

RK3126C_DPF_REF

File:

09.RK3126C Display

Date:

Thursday, May 23, 2019

Designed by:

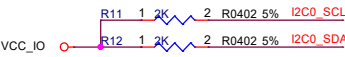
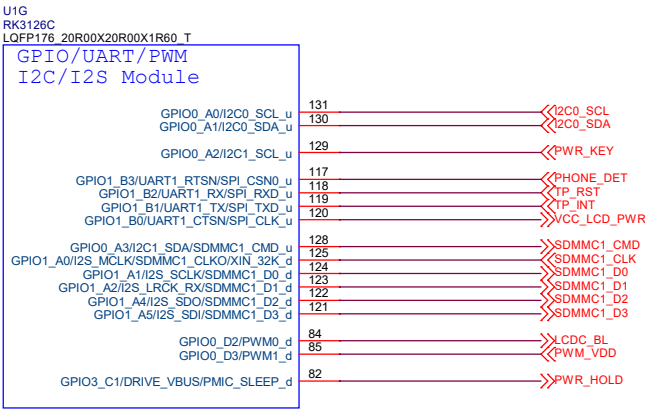
HXS

Rev:

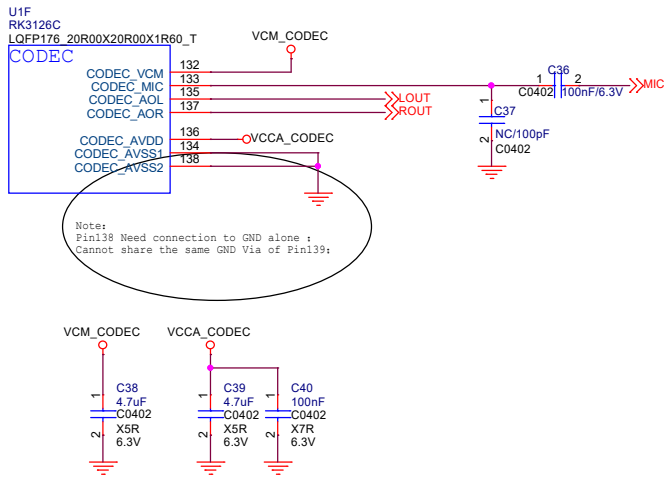
V10


Sheet:

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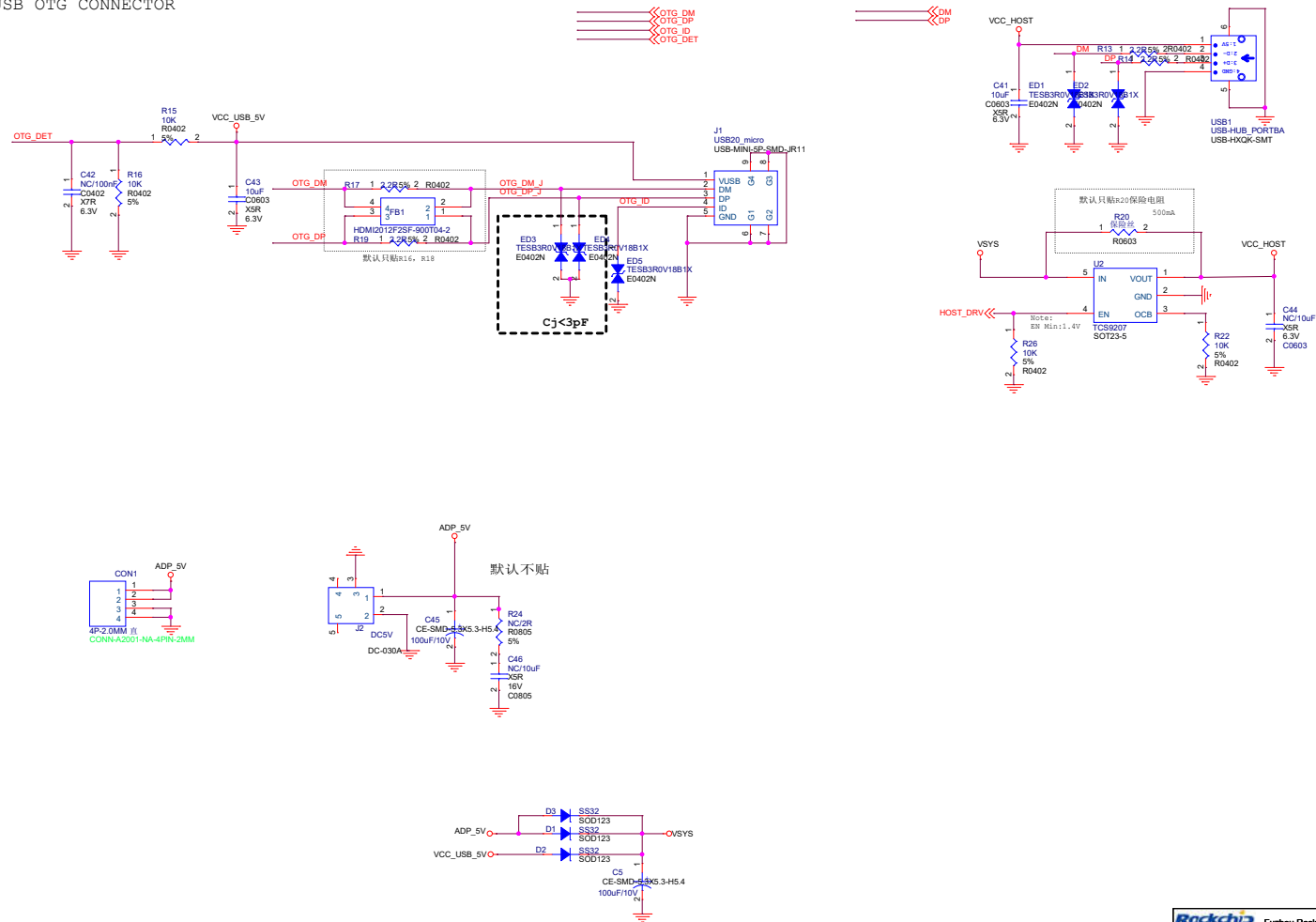


<div><div>Rockchip</div><div>瑞芯微电子</div></div>		Fuzhou Rockchip Electronics CO.,LTD	
Project:		RK3126C_DPF_REF	
File:		10.RK3126C GPIO	
Date:	Thursday, May 23, 2019	Rev:	V10
Designed by:	HXS	Sheet:	10 of 23

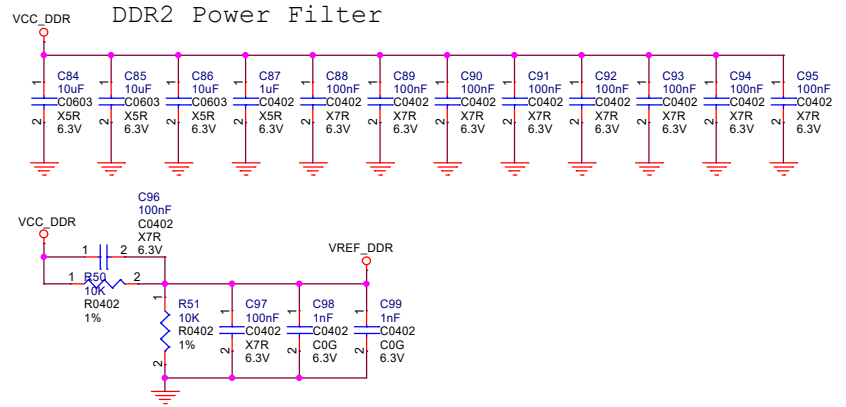
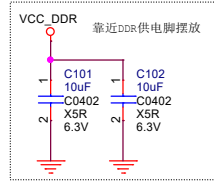
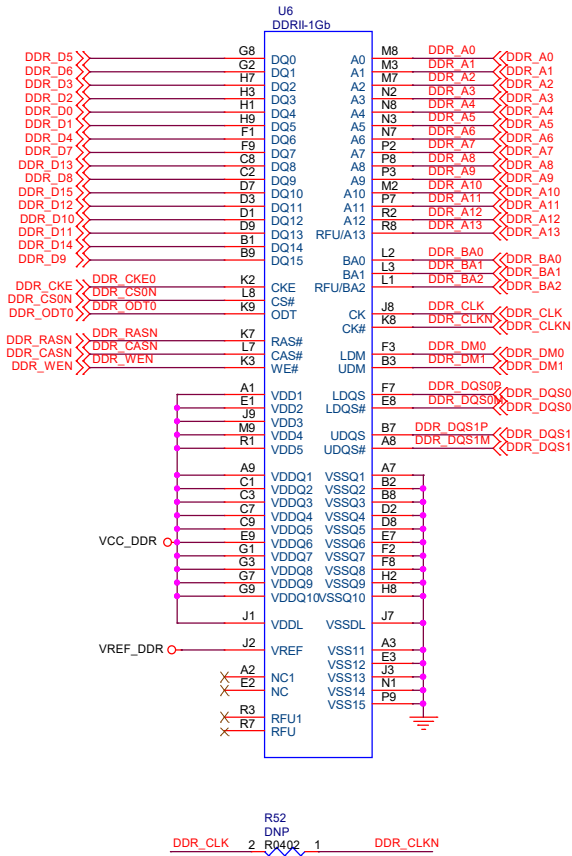



 瑞芯微电子		Fuzhou Rockchip Electronics CO.,LTD	
Project: RK3126C_DPF_REF			
File: 11.RK3126C Codec			
Date: Thursday, May 23, 2019		Rev:	V10
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USB OTG CONNECTOR

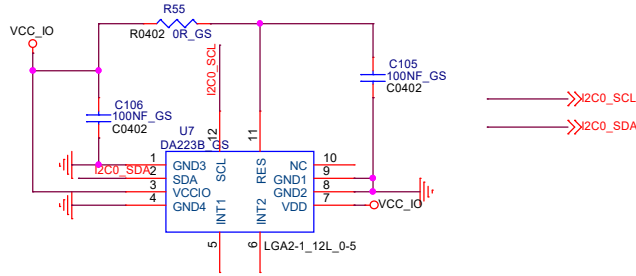


DDR2 兼容8位16位



 Fuzhou Rockchip Electronics CO.,LTD 瑞芯微电子	
Project: RK3126C_DPF_REF	
File: 14.RAM-DDR2 1x16bit	
Date: Wednesday, May 29, 2019	Rev: V10
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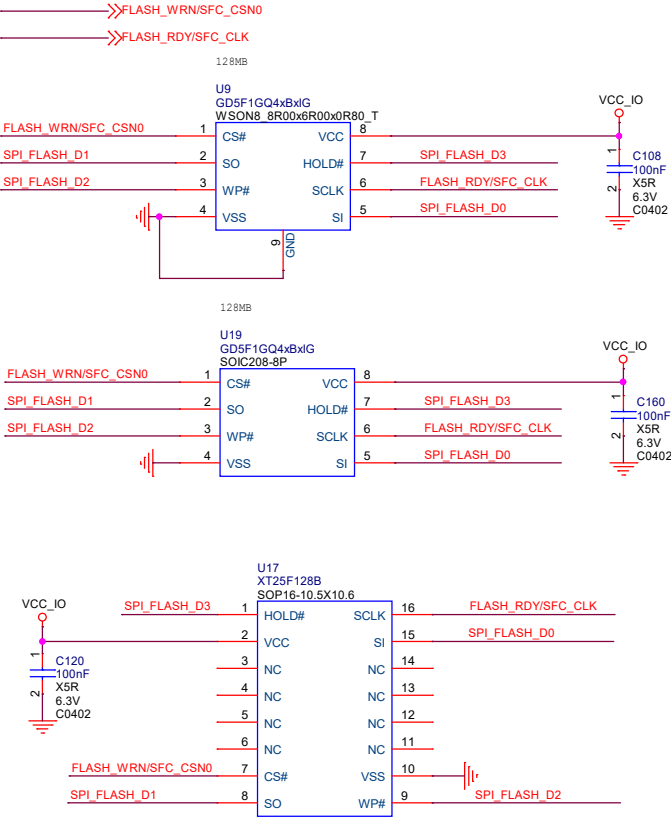
3D G-Sensor



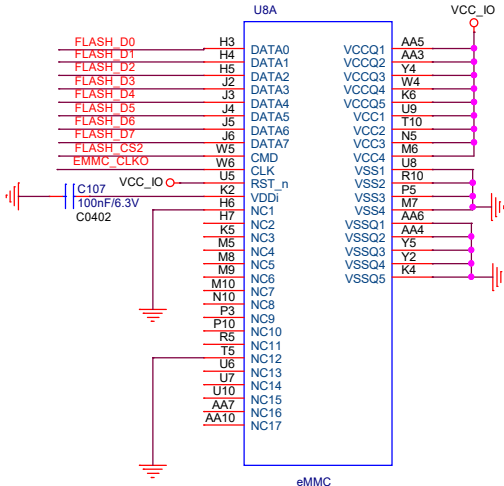
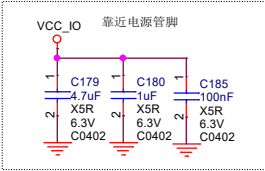
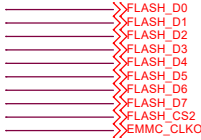
Rockchip 瑞芯微电子 Fuzhou Rockchip Electronics CO.,LTD			
Project:		RK3126C_DPF_REF	
File:		15.G_Sensor	
Date:		Thursday, May 23, 2019	Rev: V10
Designed by:		HXS	Sheet: 15 of 23

SPI FLASH

SPI_FLASH_D0 R67 1 0R 1% 2R0402 >>FLASH_D0 靠近EMMC摆放
SPI_FLASH_D1 R68 1 0R 1% 2R0402 >>FLASH_D1
SPI_FLASH_D2 R96 1 0R 1% 2R0402 >>FLASH_D2
SPI_FLASH_D3 R104 0R 1% 2R0402 >>FLASH_D3

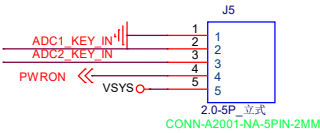
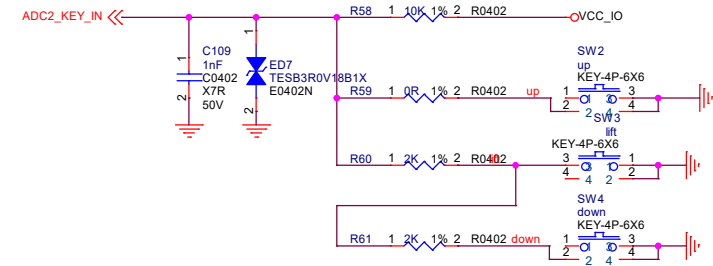


EMMC FLASH

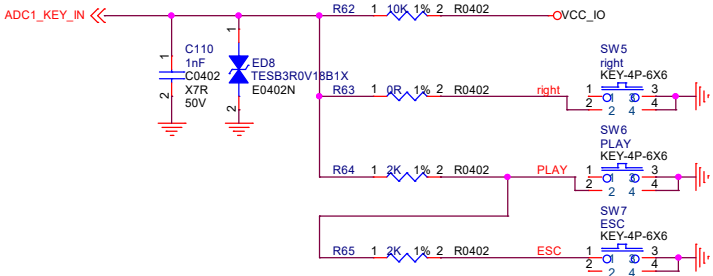



Rockchip 瑞芯微电子 Fuzhou Rockchip Electronics CO.,LTD			
Project:	RK3126C_DPF_REF		
File:	16.Memory-SPI_FLASH		
Date:	Tuesday, May 28, 2019	Rev:	V10
Designed by:	HXS	Sheet:	16 of 23

KEY BAORD



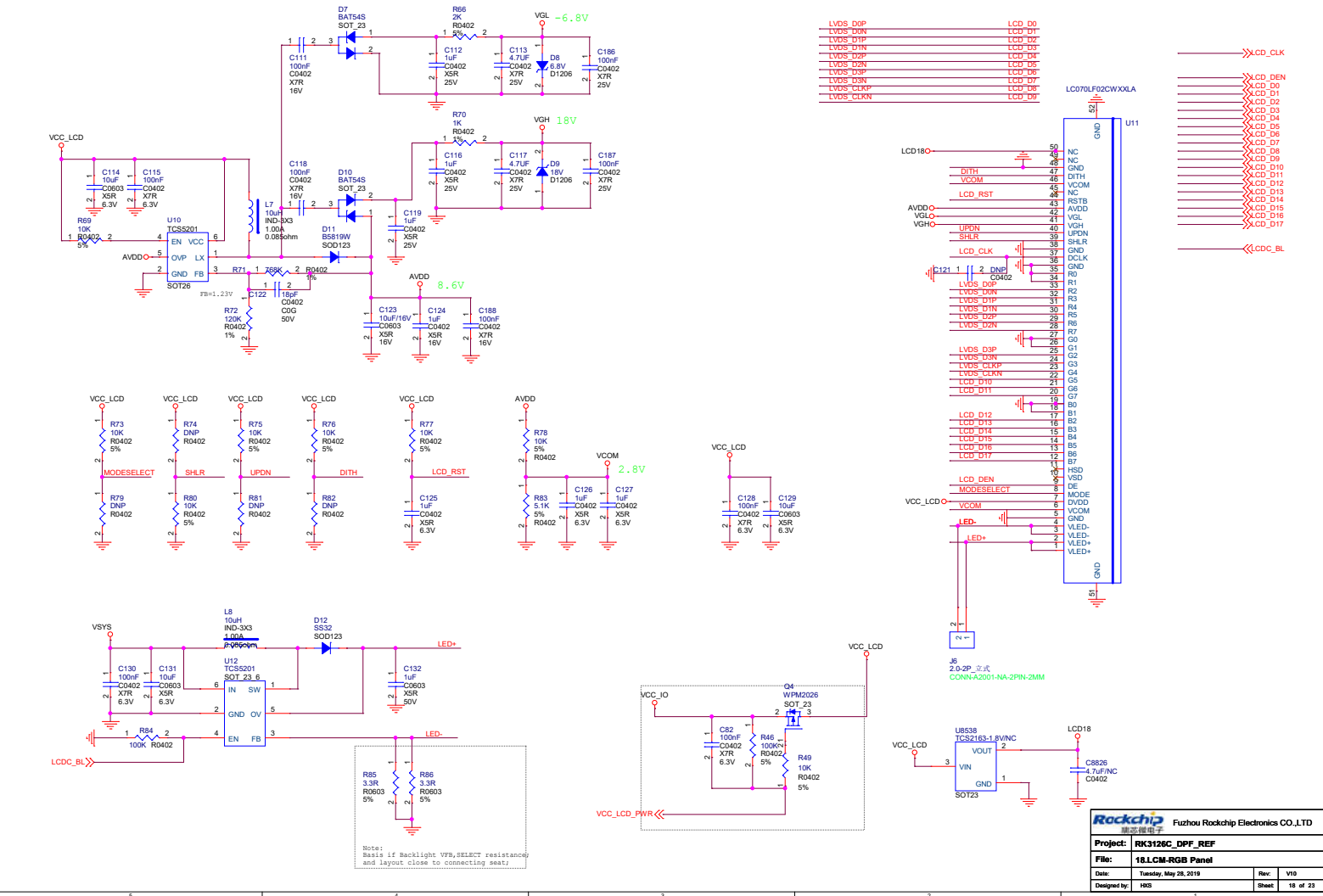
Key Name	SARADC
VOL+/RECOVERY	10
VOL-	170
HOME	254
MENU	414
ESC	614



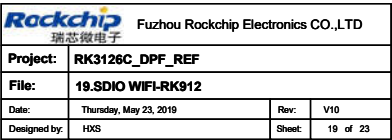
 Fuzhou Rockchip Electronics CO.,LTD
瑞芯微电子

Project: RK3126C_DPF_REF	
File:	17.Key
Date:	Tuesday, May 28, 2019
Designed by:	HXS
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LCD PANEL CONNECTOR



Rockchip 联芯微电子			
Fuzhou Rockchip Electronics CO.,LTD			
Project: RK3126C_DP_F_REF			
File: 18.LCM-RGB Panel			
Date: Tuesday, May 29, 2019	Rev: V10		
Designed by: HSD	Sheet: 18 of 23		



HEADPHONE

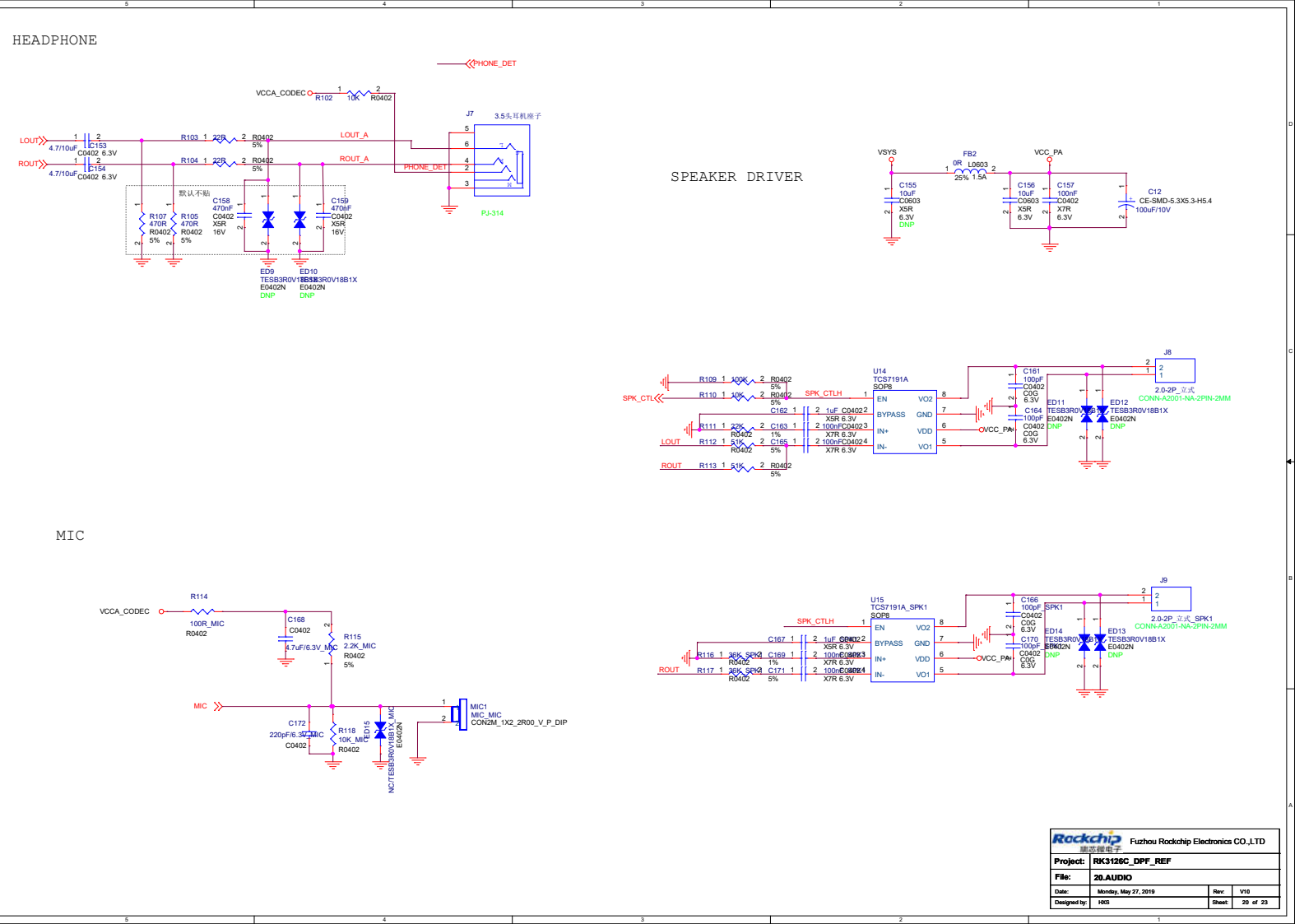
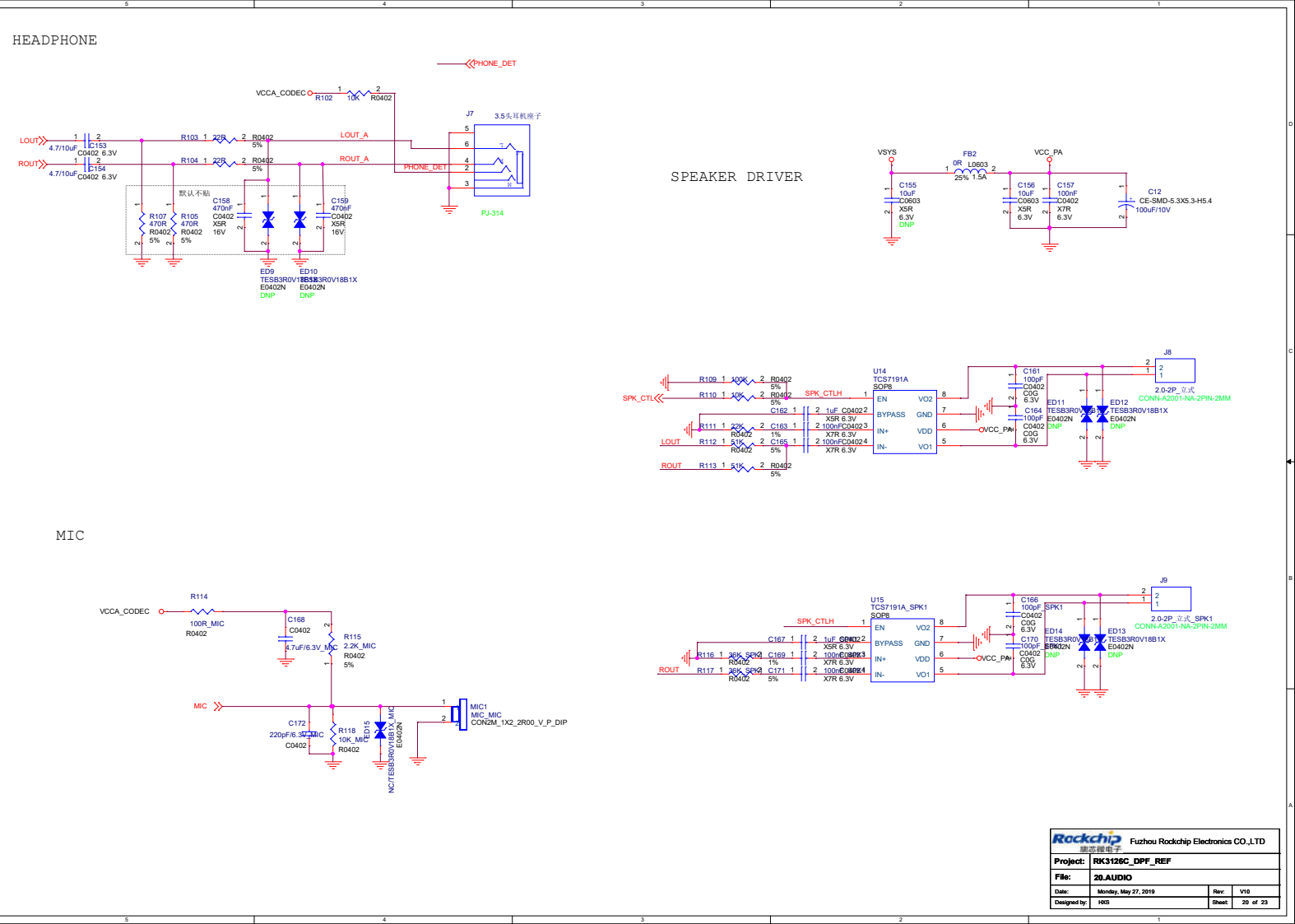
SPEAKER DRIVER

MIC

Rockchip Fuzhou Rockchip Electronics CO.,LTD
Project: RK3126C_DFP_REF
File: 20_AUDIO
Date: Monday, May 27, 2019 Rev: V10
Designed by: HGS Sheet: 20 of 23

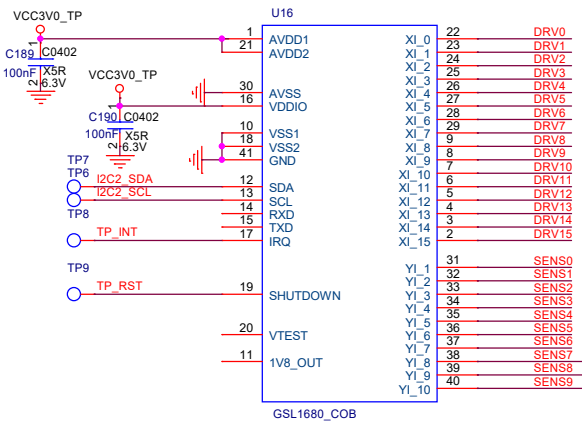
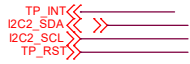
HEADPHONE

HEADPHONE

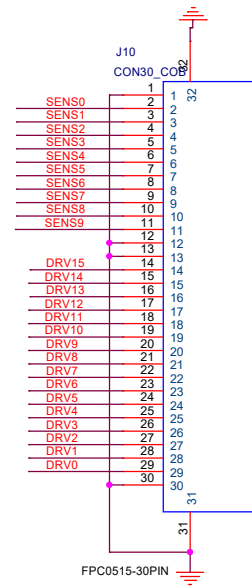
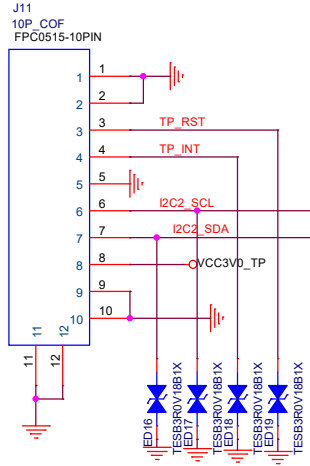
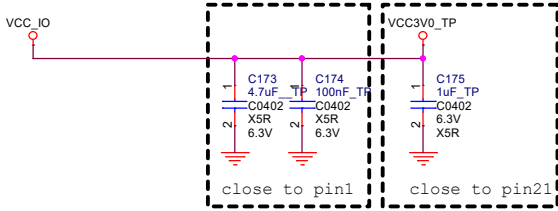


TP COB GSL1680

Note:16x10 channel,suit for Touch Panel size≤10''

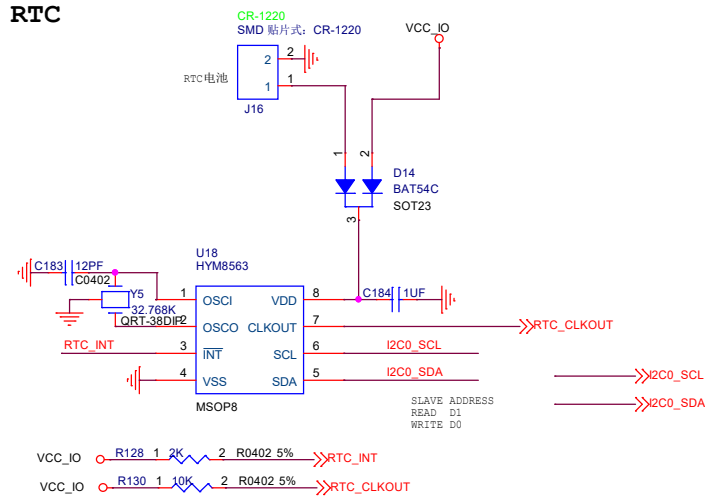


16*10

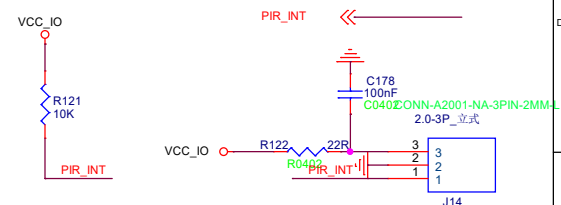


Rockchip 瑞芯微电子		Fuzhou Rockchip Electronics	
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File: TP COB GSL1680			
Date: Wednesday, May 29, 2019	Rev: V10		
Designed by: HXS	Sheet: 21 of 23		

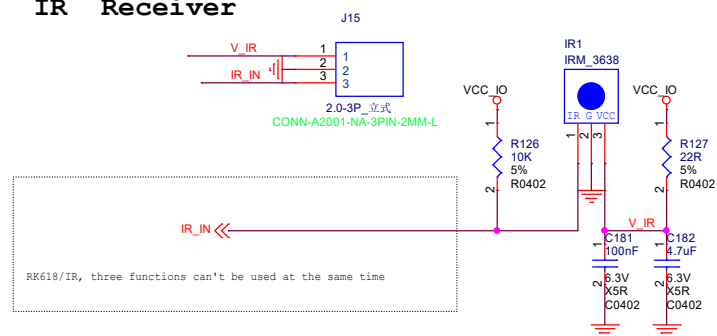
RTC




PIR



IR Receiver



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Project:	RK3126C_DPF_REF
File:	23_RTC/IR/PIR
Date:	Monday, May 27, 2019
Designed by:	HXS
Rev:	V10
Sheet:	23 of 23