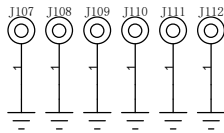
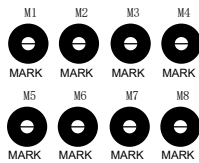
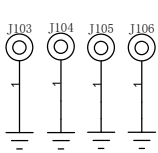


原理图变更说明

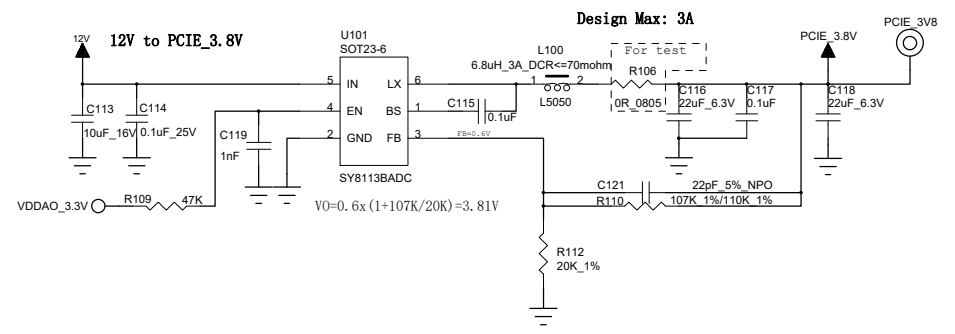
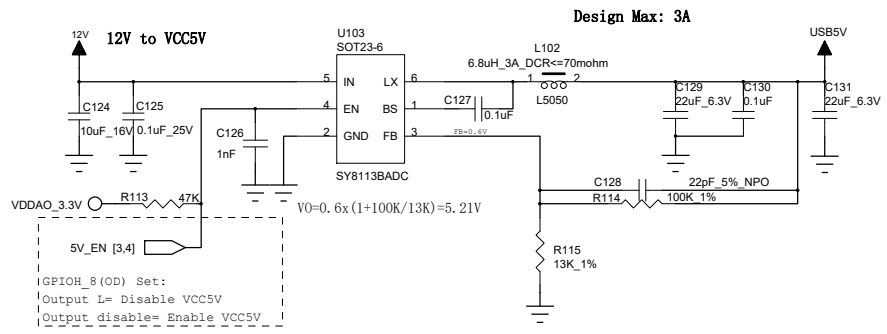
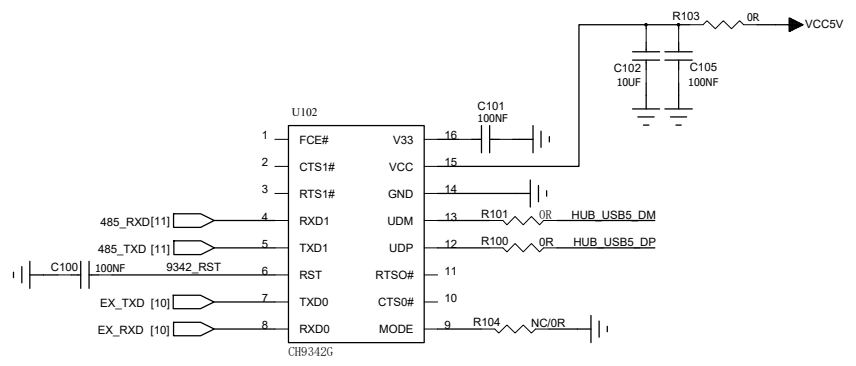
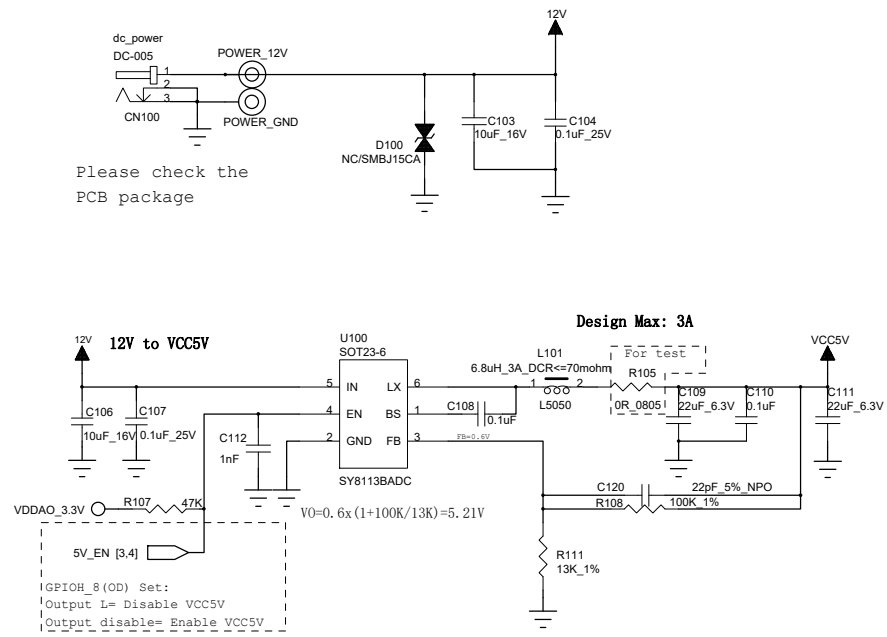
版本号	版次	PCB 版本号	变更日期	变更原因	变更内容	备注
V0	00		2020/03/09	A311D新版本导入.		

A311D
VER. B

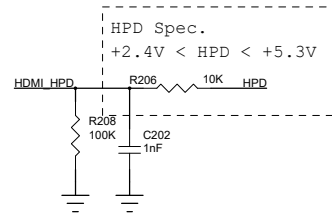
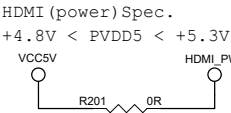
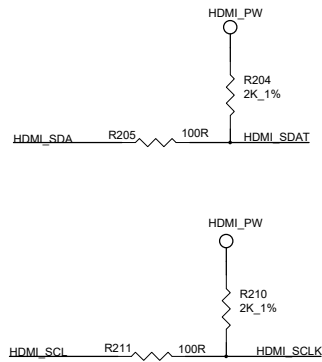
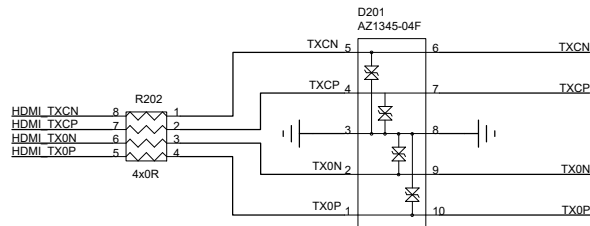
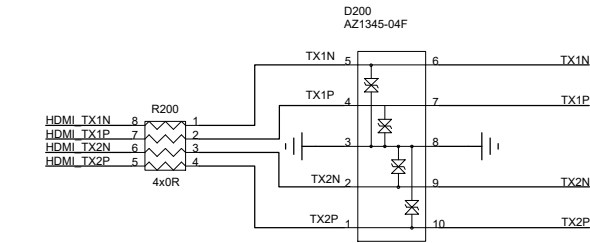
6 layers PCB with LPDDR4



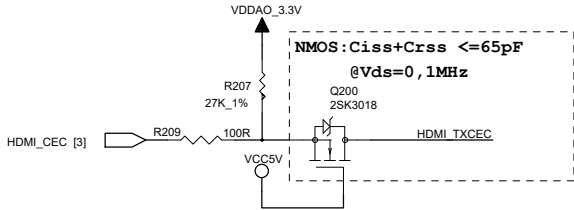
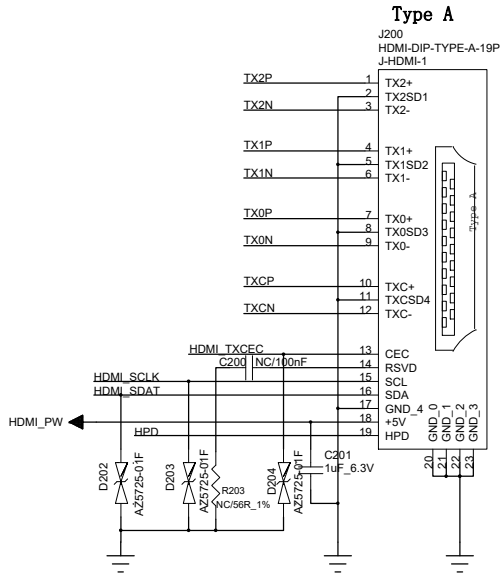
DC 12V power supply input



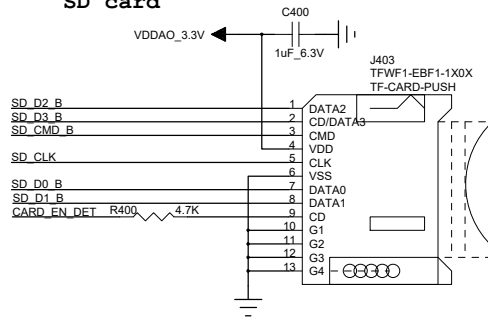
HDMI output



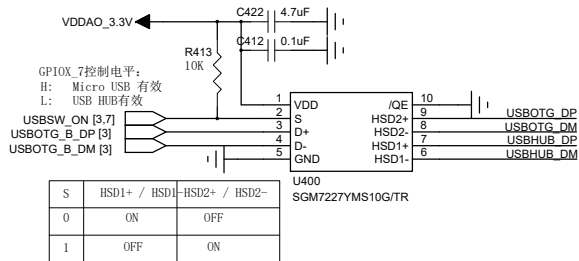
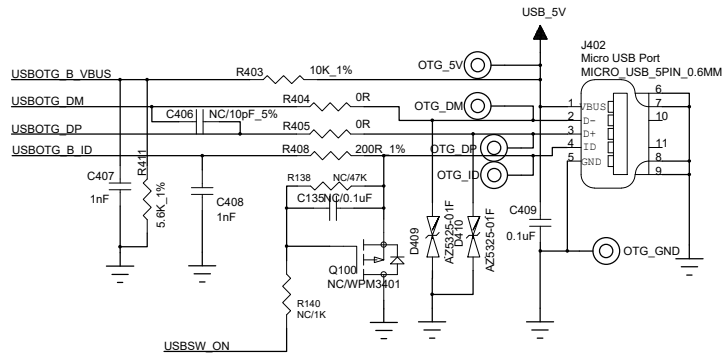
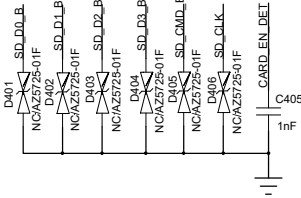
Do not delete 9R2 9R1 resistors



SD card

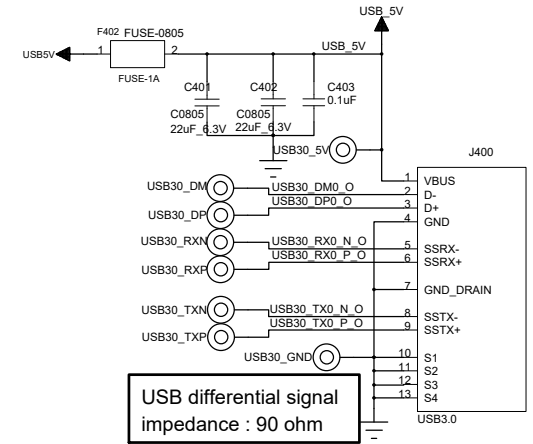
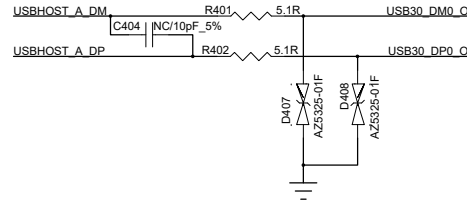
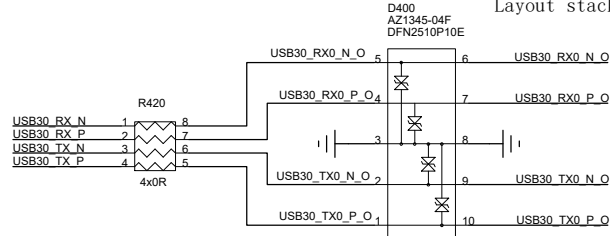


Close to SD card

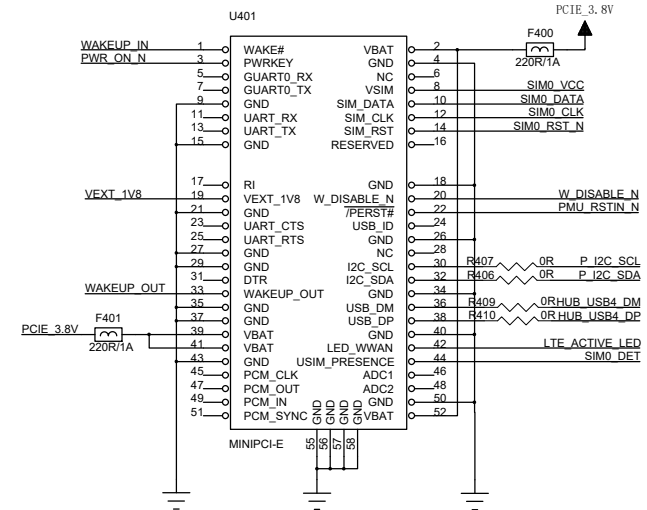


S	HSD1+ / HSD1-	HSD2+ / HSD2-
0	ON	OFF
1	OFF	ON

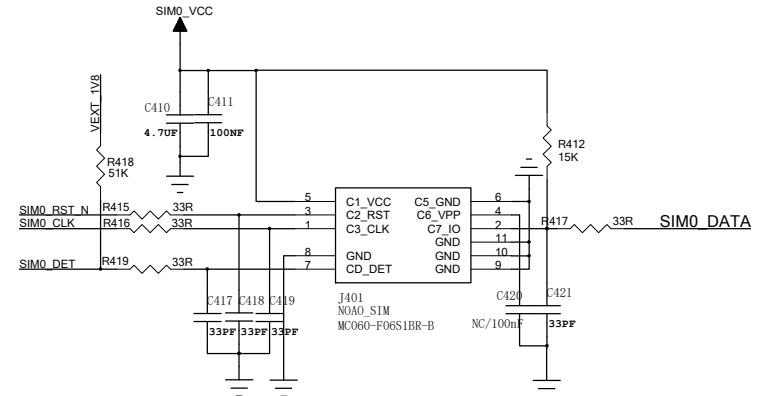
Layout stack



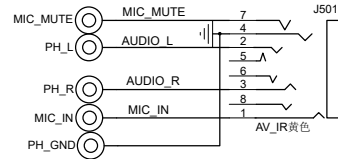
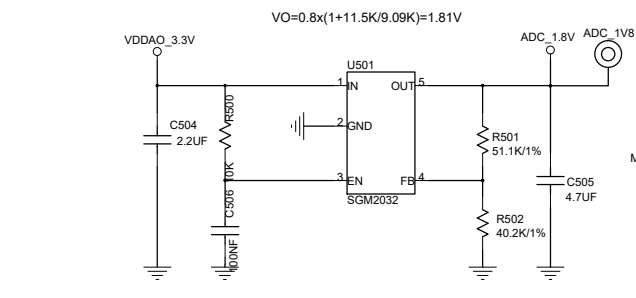
USB differential signal
impedance : 90 ohm



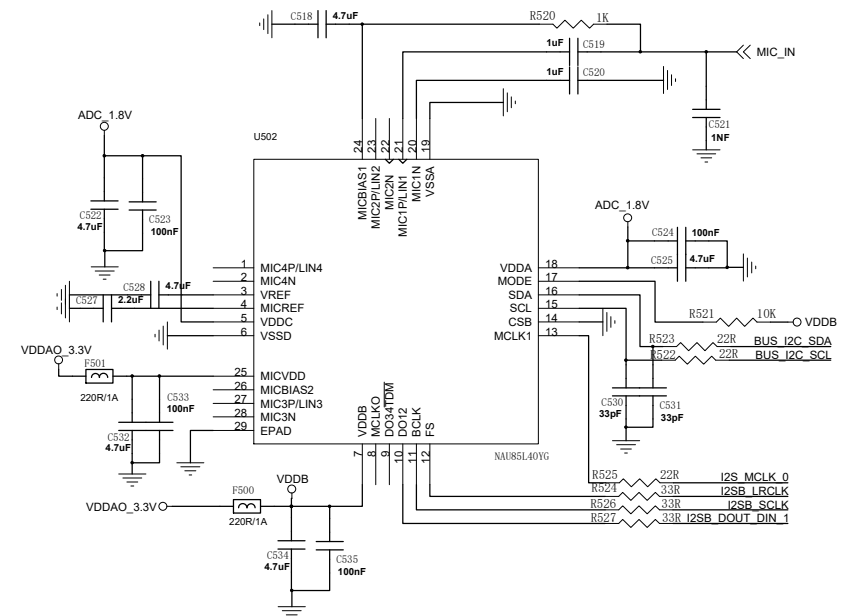
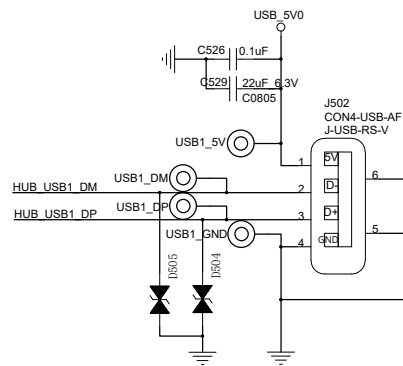
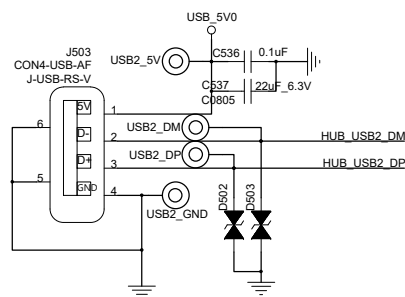
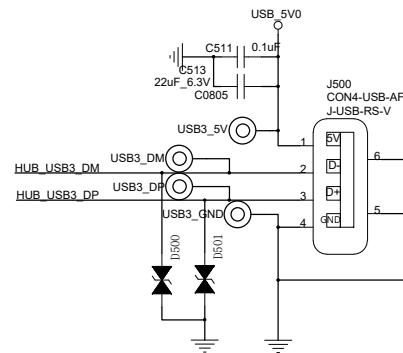
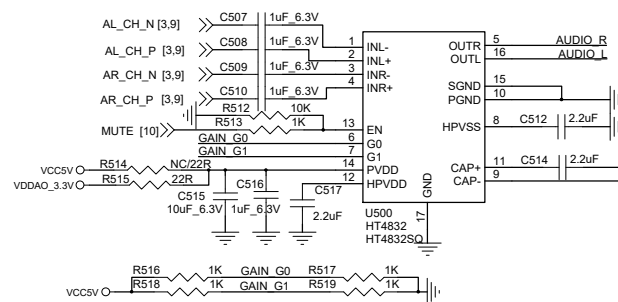
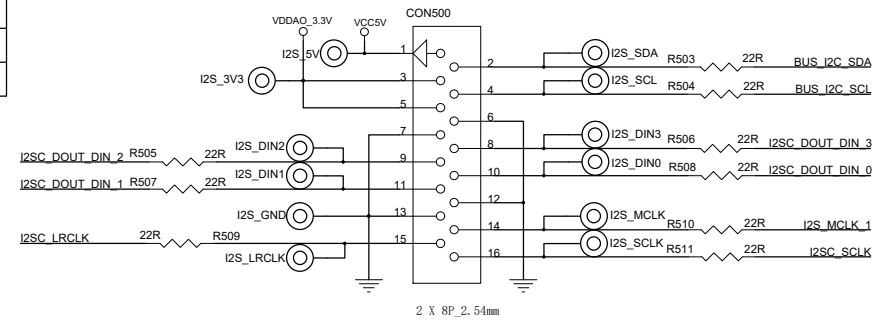
4G模块IO电平除USB外，都是1.8V!



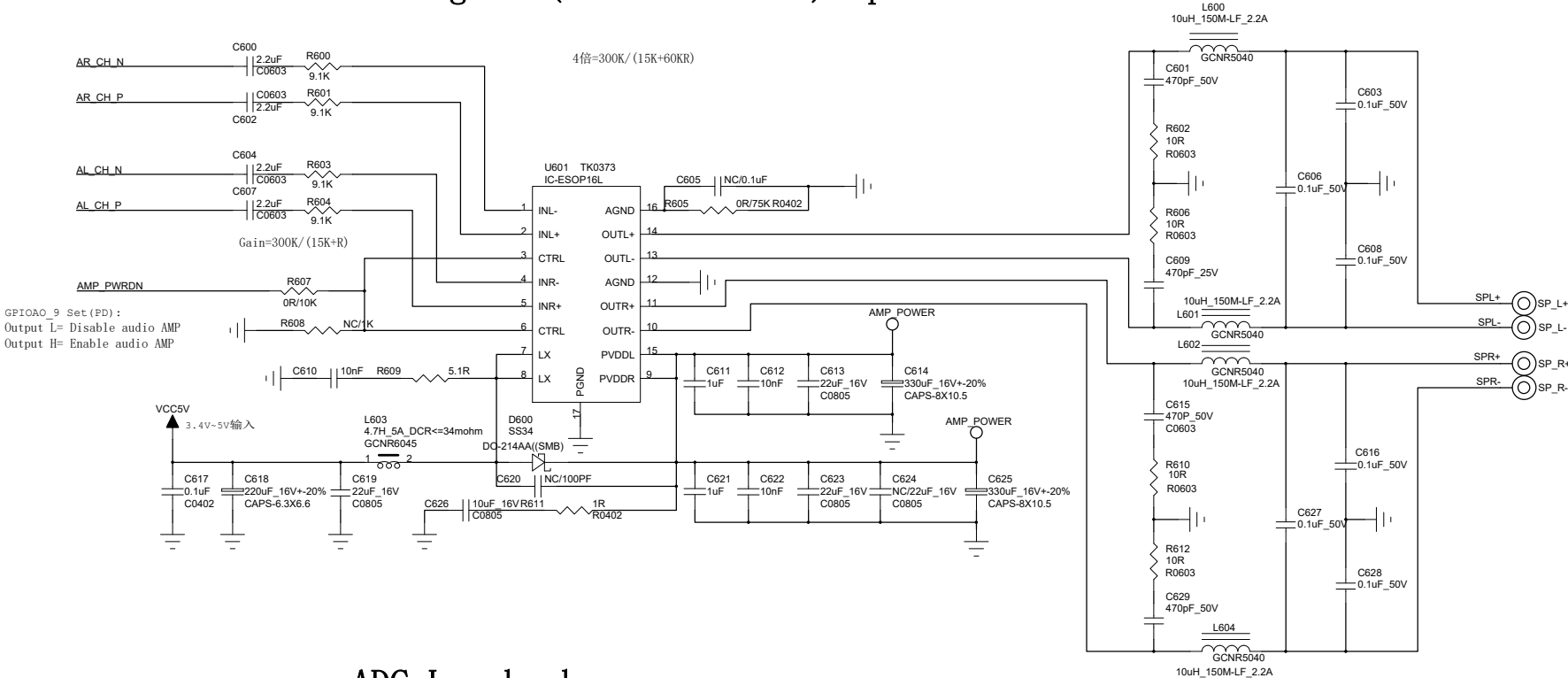
TO I2S MIC BOARD



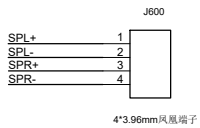
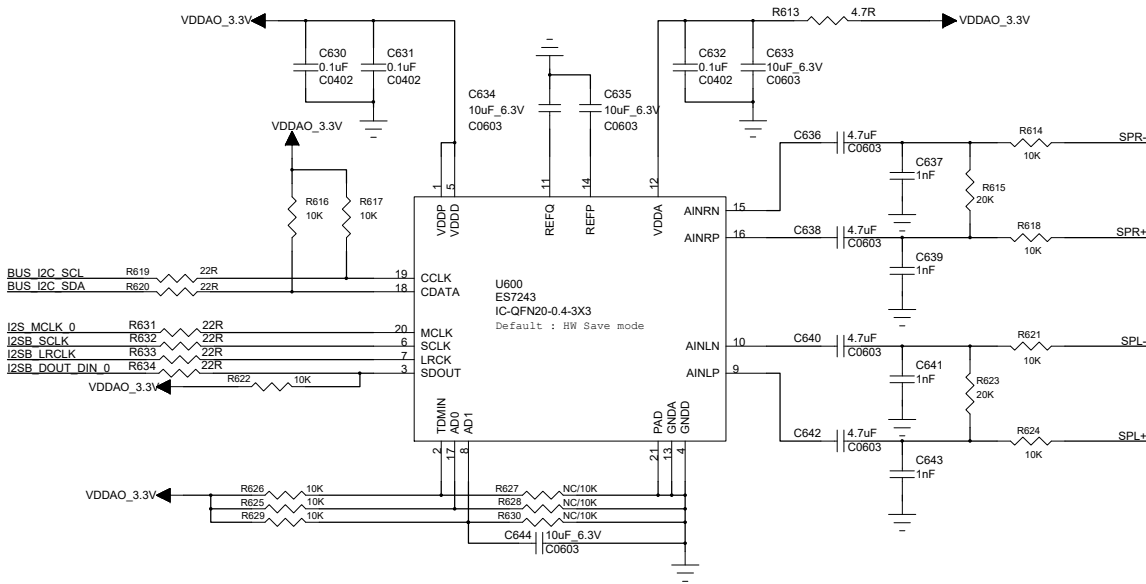
PIN	Function
4	Audio_L
3	Audio_R
2	GND
1	MIC



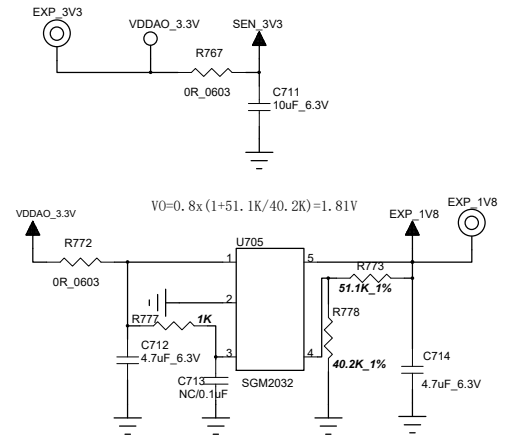
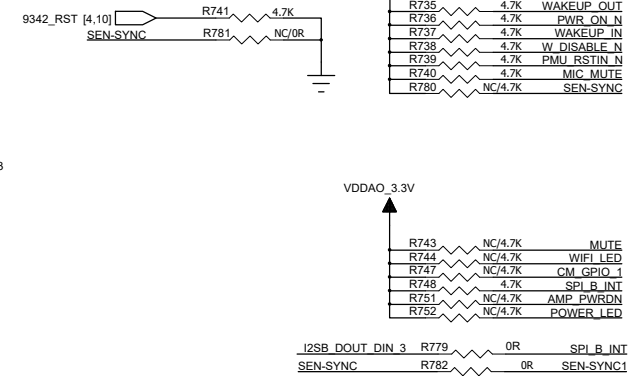
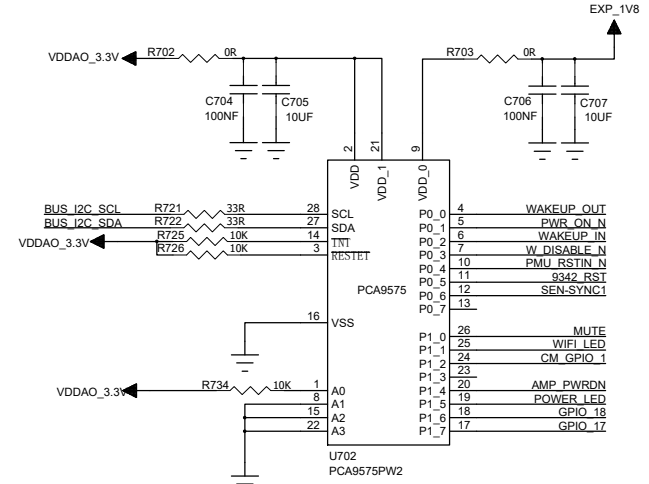
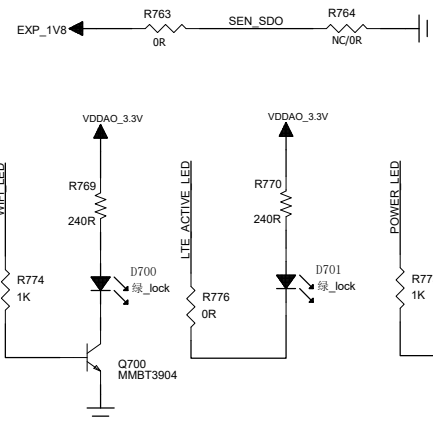
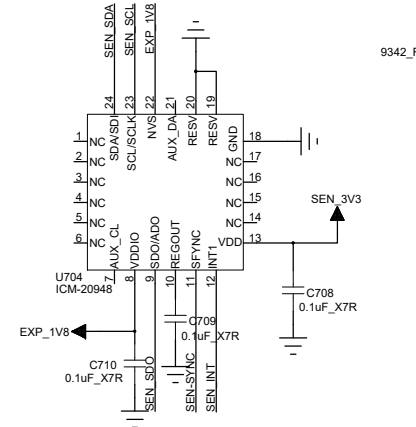
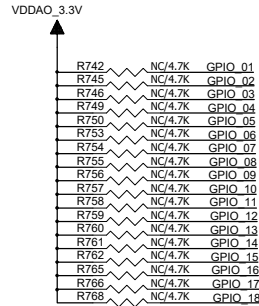
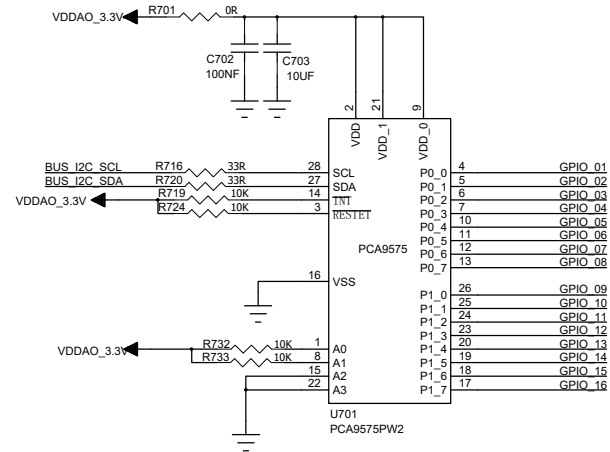
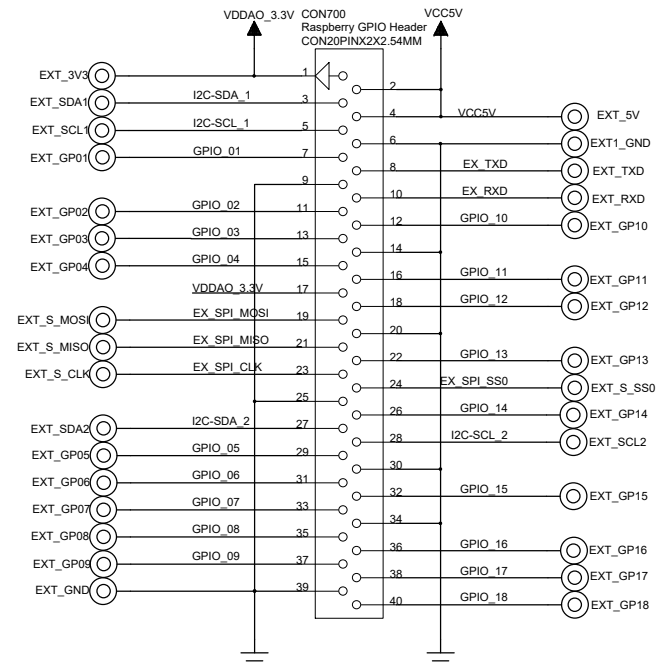
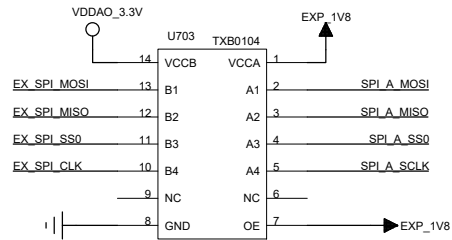
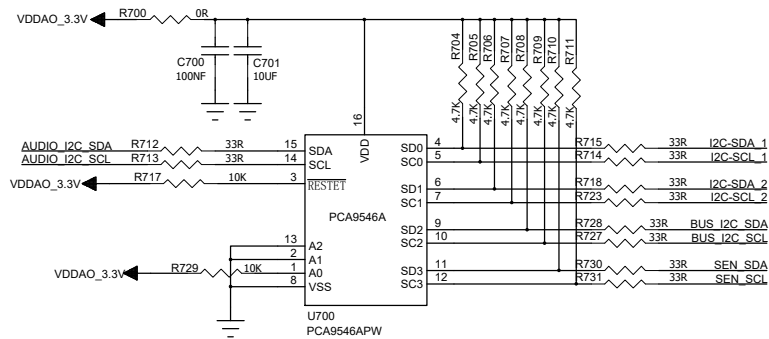
Analog AMP(4ohm X 3W X 2) Option



ADC Loopback



I2C&GPIO_EXTENSION



公司名称	群蜂科技			产品名称	智能开发平台		产品型号	DEA311U0000		图纸名称	扩展板原理图	图纸尺寸	A3	第 10 页 共 11 页	
拟制				日期	2020.08.28	原理图名称	SINTXX06A0		版本号	00	版次	00	页名称	09-_GPIO_EXT_9-AXIS	

