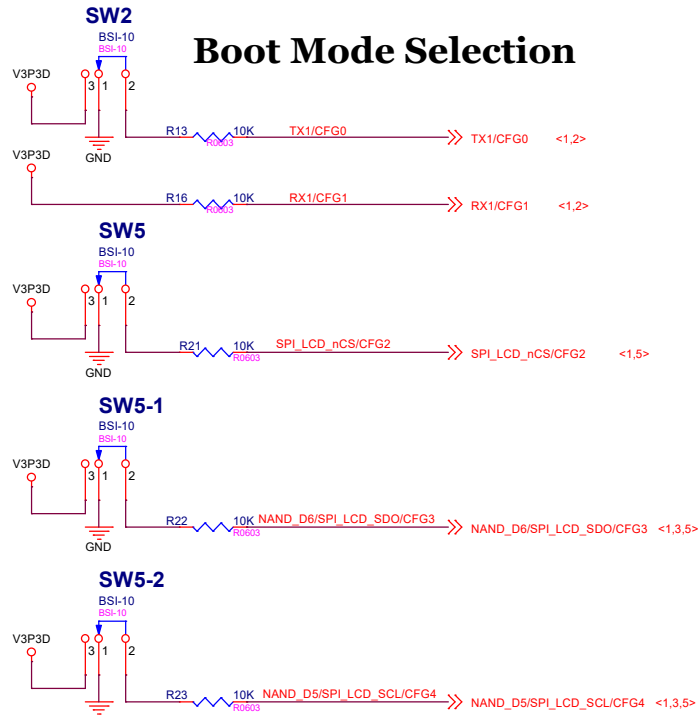


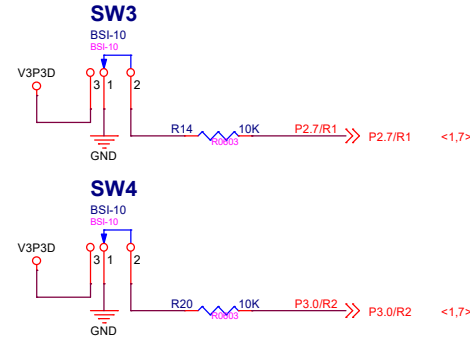
Boot Mode Selection



Boot Mode Selection

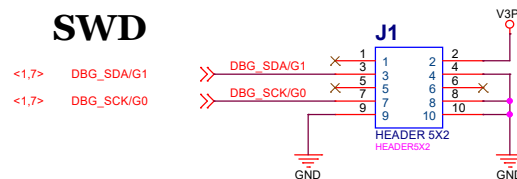
BOOT MODE	CFG[o..4]				
	0	1	2	3	4
SWD DEBUG MODE	L	H	X	X	X
Serial Flash Boot Mode	H	H	H	H	H
NAND Boot Mode 4bit ECC	H	H	L	L	H

User Mode Selection

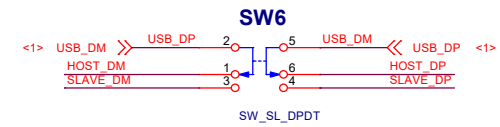
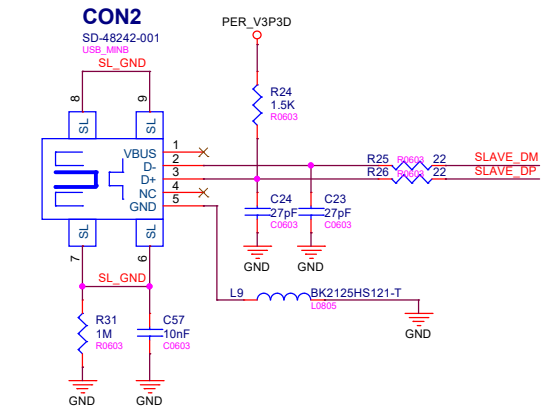
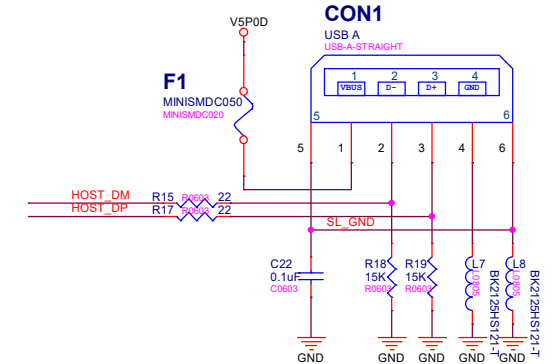


SW3	SW4	MODE(Software)
LOW	LOW	USER DEFINE
LOW	HIGH	USB COMMUNICATION
HIGH	LOW	MASS STORAGE
HIGH	HIGH	EXECUTE

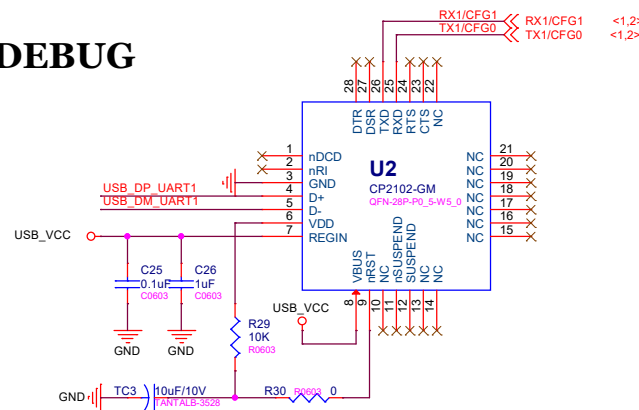
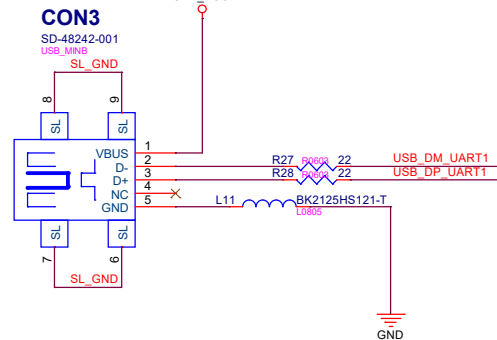
SWD



USB

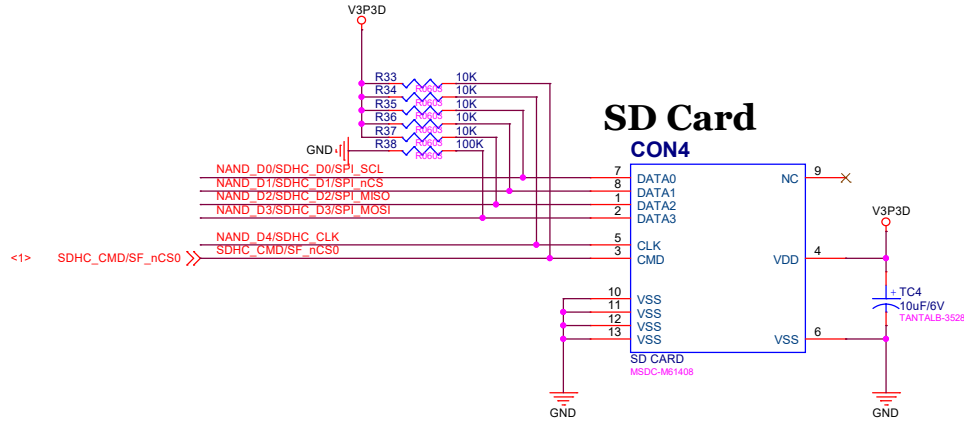


UART DEBUG



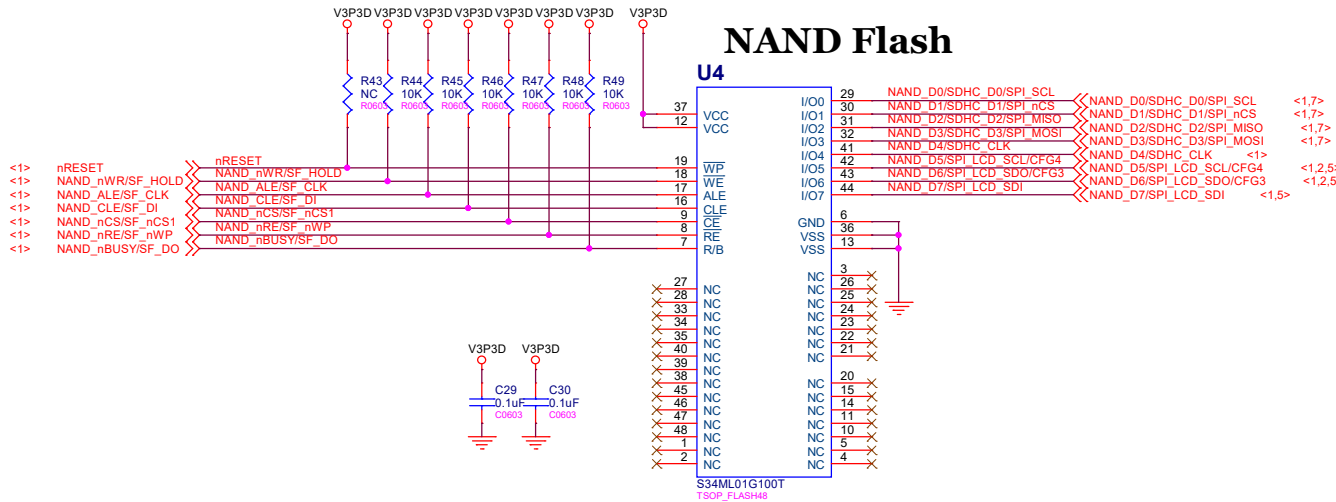
SD Card

CON4



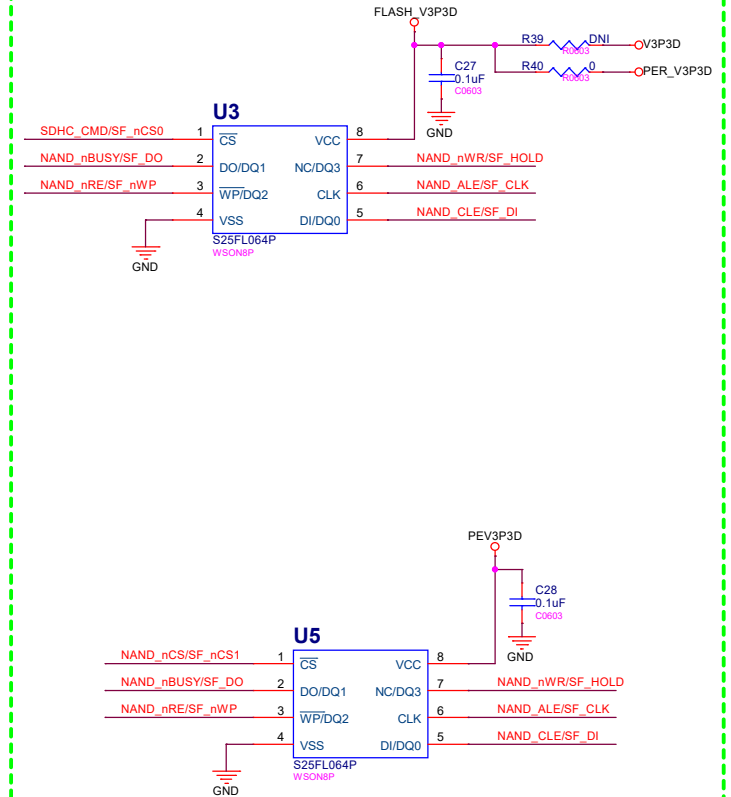
NAND Flash

U4

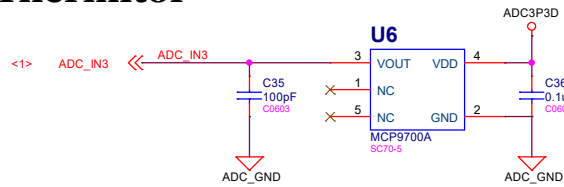


Serial Flash

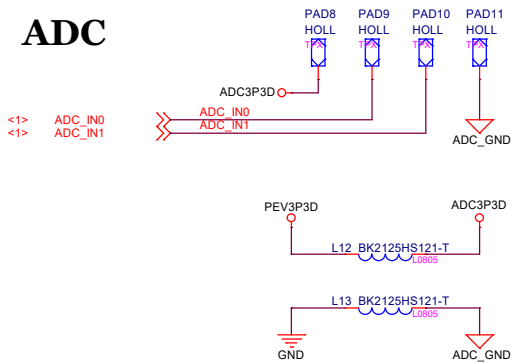
OPTION



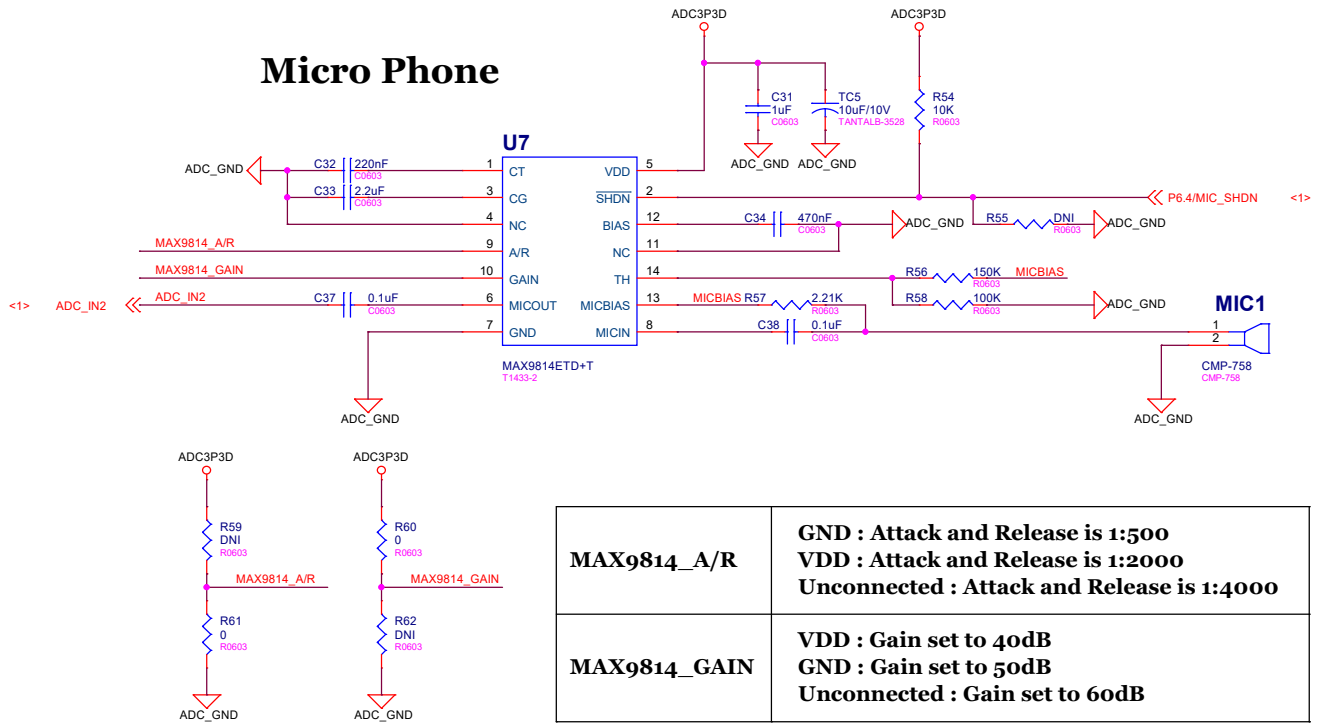
Thermistor



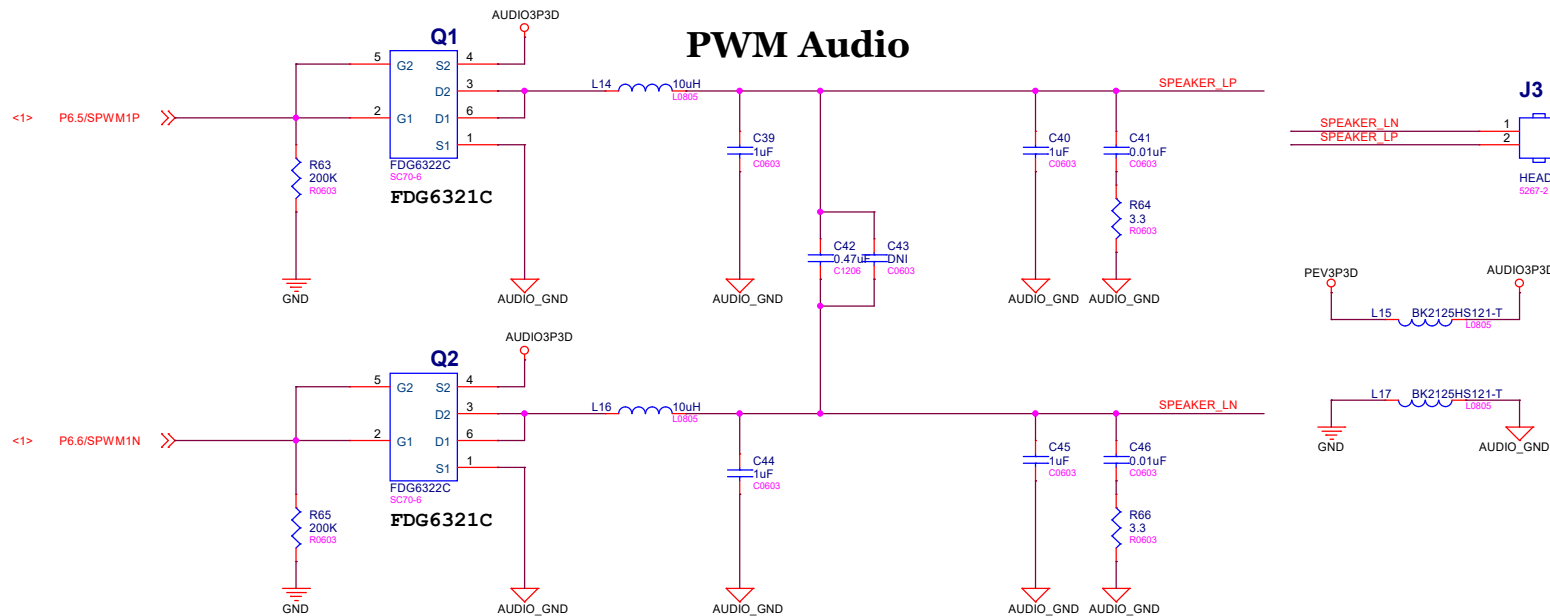
ADC



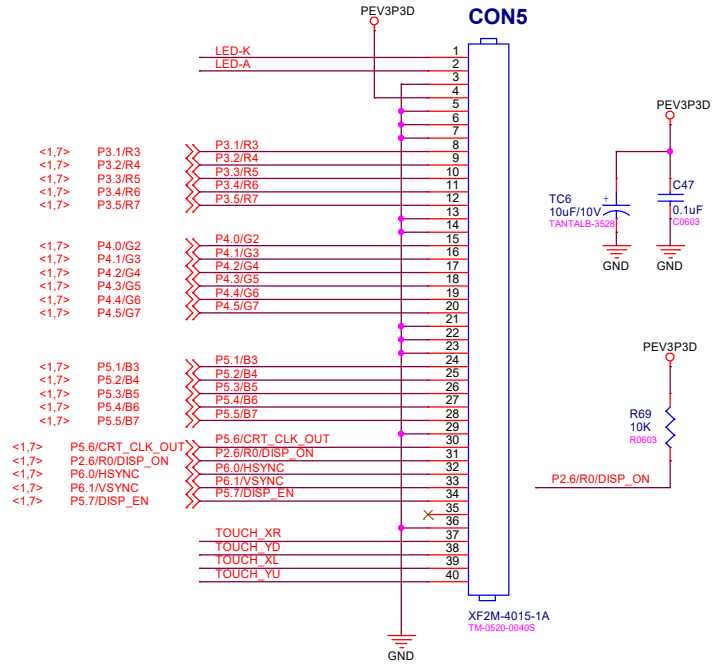
Micro Phone



PWM Audio

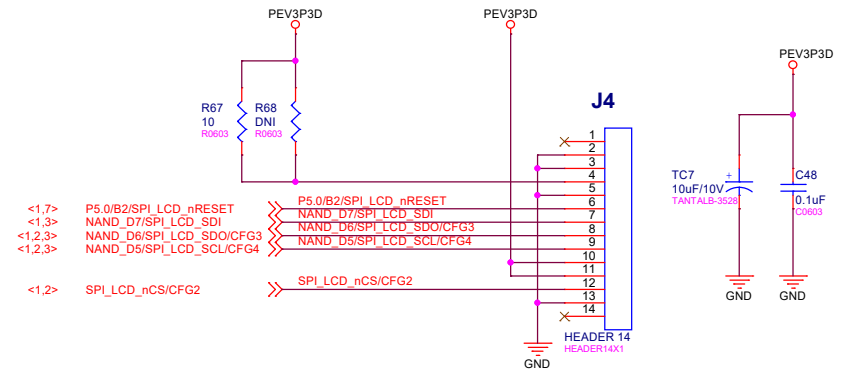


4.3" RGB LCD 5:6:5 INTERFACE

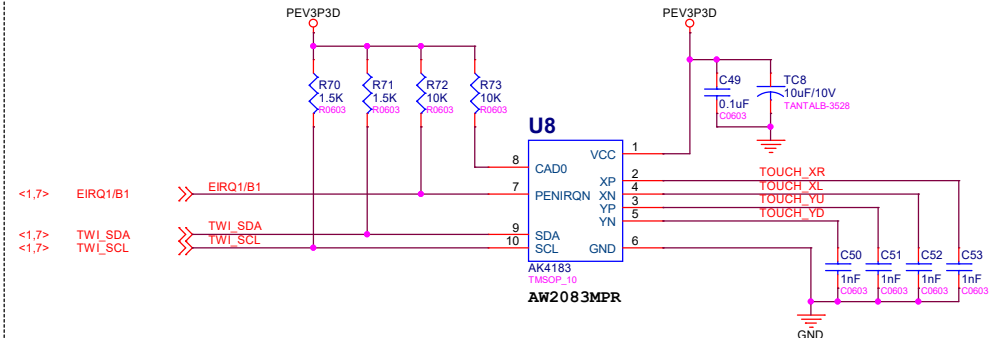


TM0520-0040(상하접점)

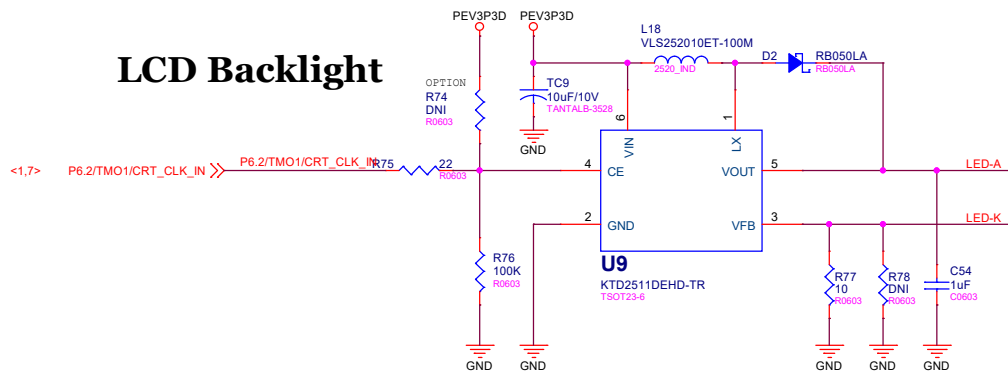
1.77" SPI LCD CONNECTOR

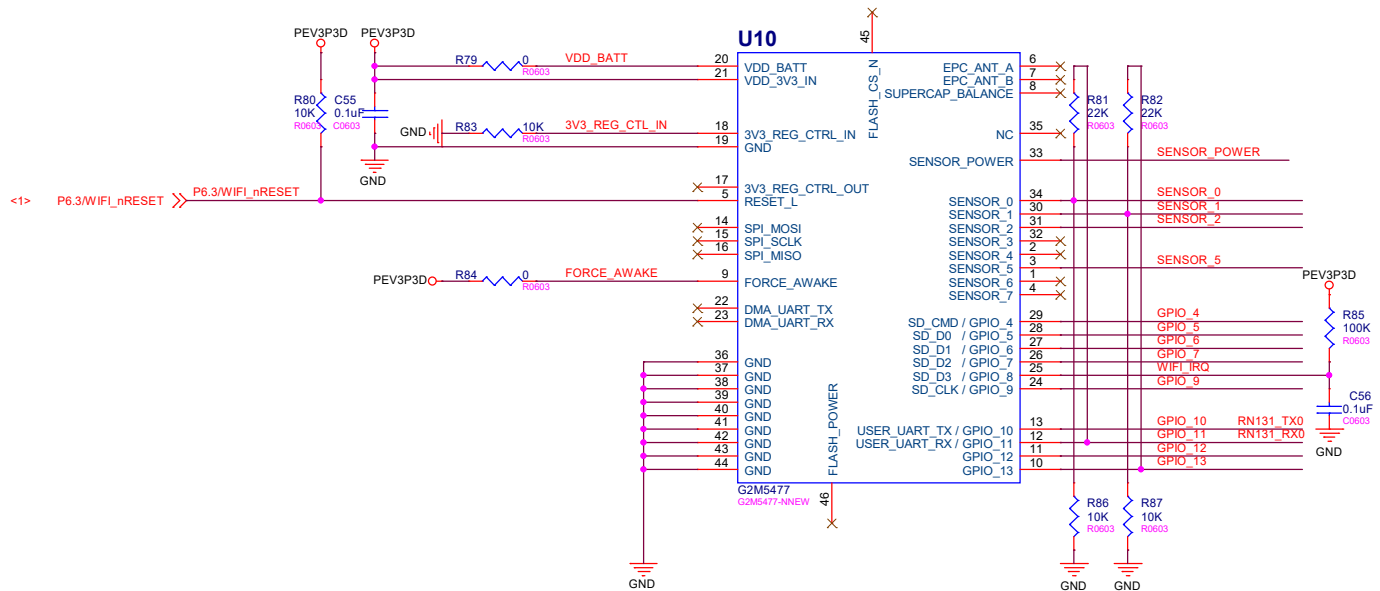


TOUCH

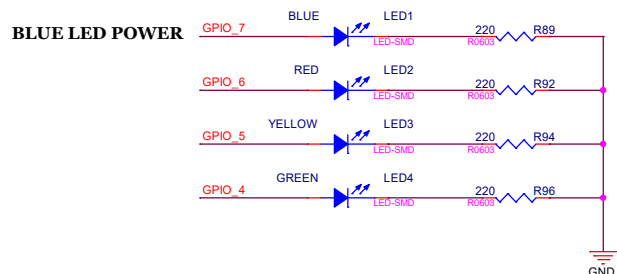


LCD Backlight

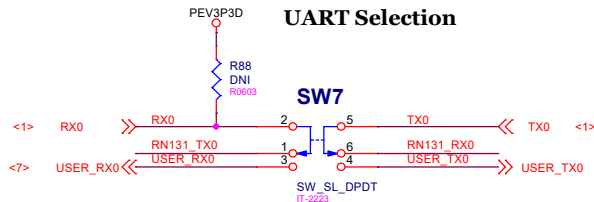




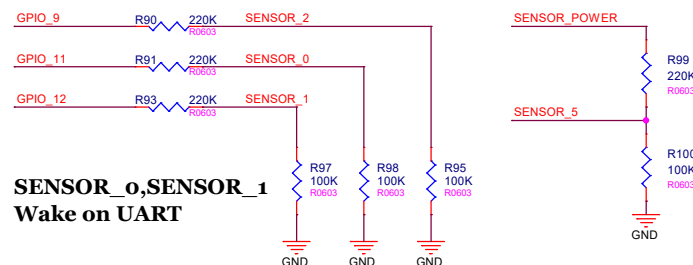
Condition	Red LED	Yellow LED	Green LED
ON solid			Connected over TCP
Fast blink	Not Associated	Rx/Tx data transfer	No IP address
Slow blink			IP address OK
OFF	Associated		



UART Selection

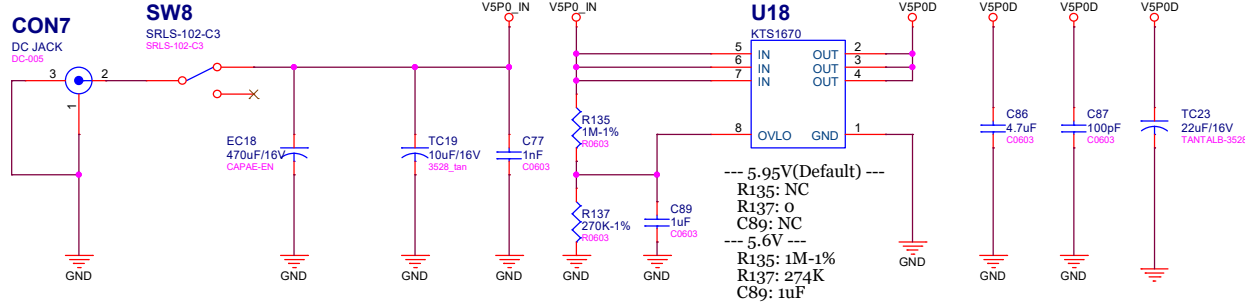


SENSOR_0, SENSOR_1 Wake on UART



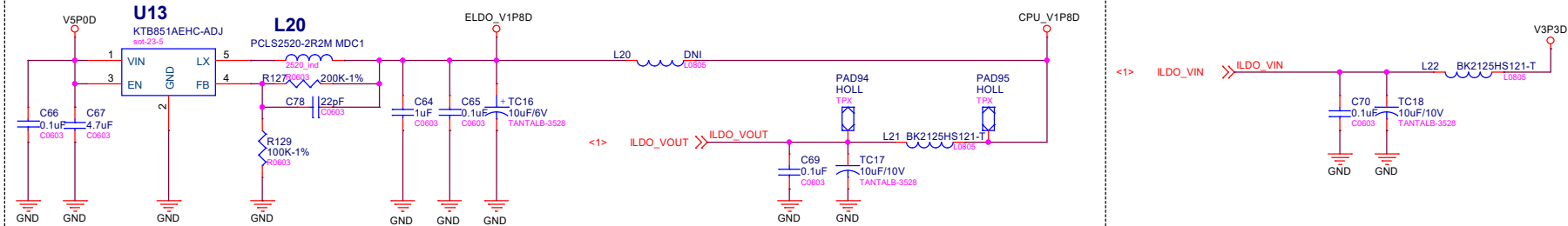
INPUT 5V

OVP(Over Voltage Protection)

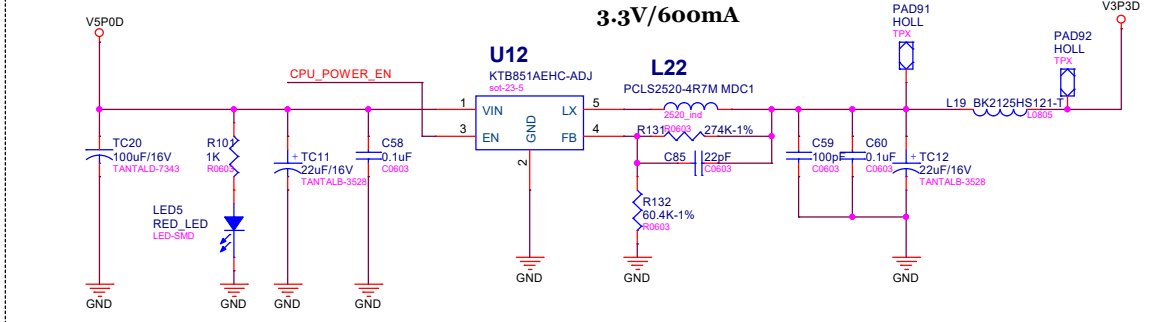


1.8V/600mA

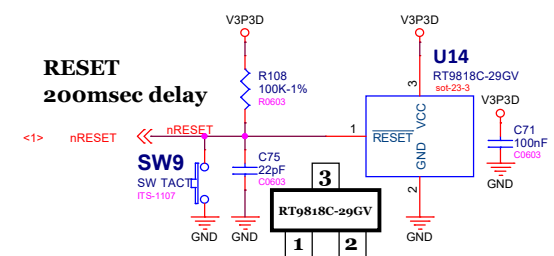
Option



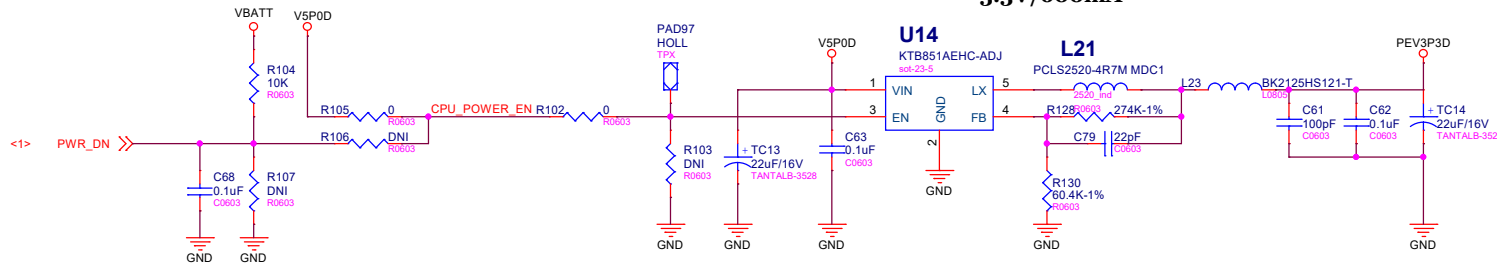
3.3V/600mA



RESET 200msec delay



3.3V/600mA



adStar-L STK

Version	Date	Description
Ver : 1.0	Feb 13, 2012	First release version
Ver : 1.1	Feb 2, 2016	USB DP, DM 22pF추가, USB DP에 1.5K 추가 USB Shuield GND: 1M Ohm, 10nF Xtal 시정수 변경: Xin->10pF, Xout->15pF, R4.3M Ohm R67 10 Ohm, R68 DNI
Ver : 2.0	July 13, 2018	NAND Boot Mode: only 4bit ECC Mode OVP(Over Voltage Protection) add ("KTS1670") 1.8V, 3.3V LDO Change (LM1118 -> "KTB851AEHC-ADJ") Reset IC add ("RT9818C-29GV") LCD Backlight Change(R1204N313D-FE->"KTD2511DEHD-TR") R12: pull down -> Pull Up