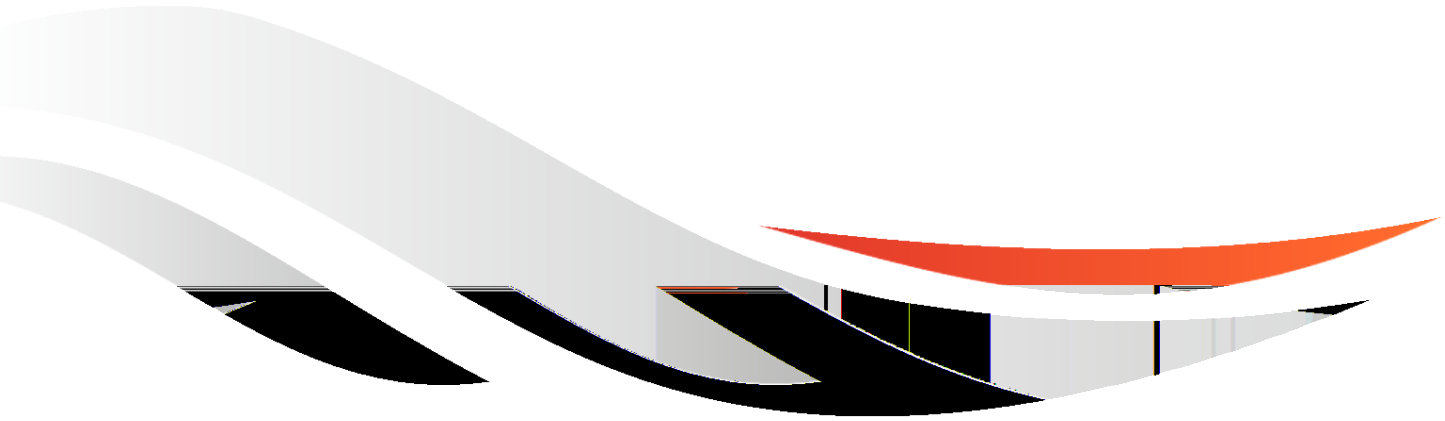
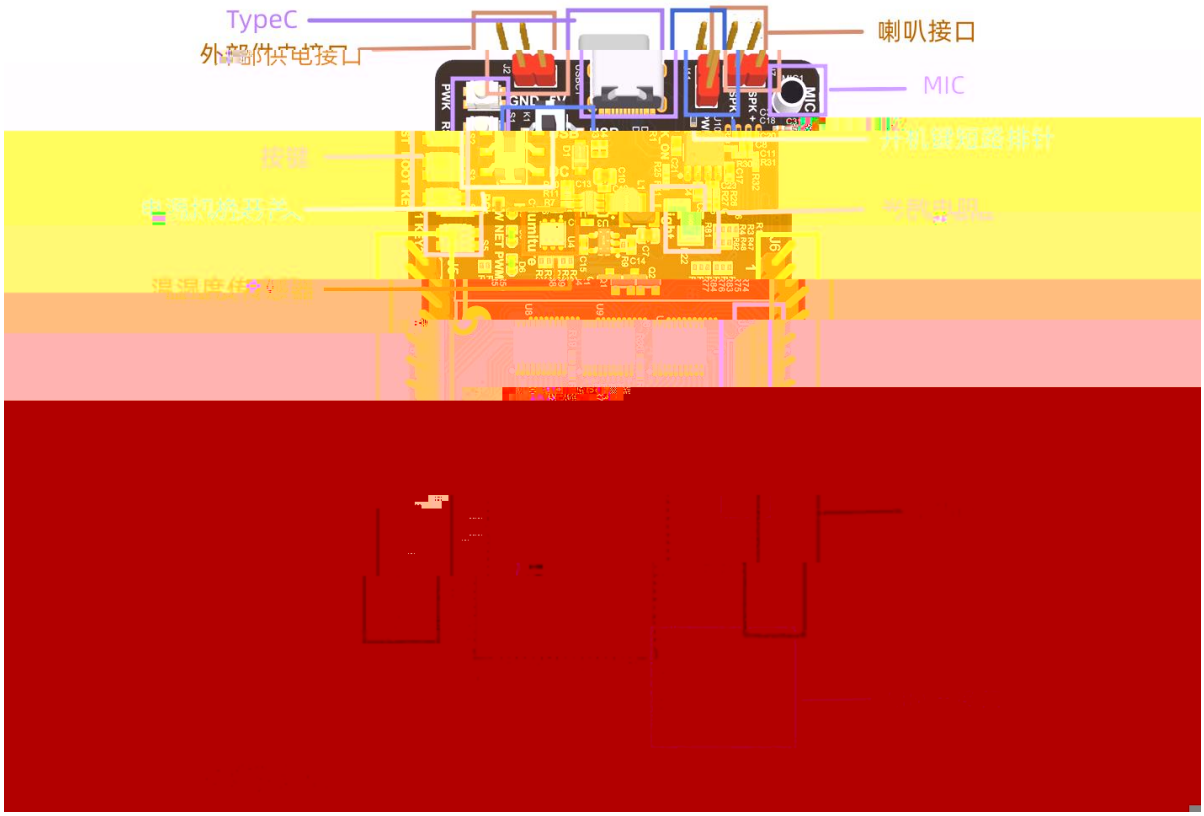
EVB_EC600X、EC800X

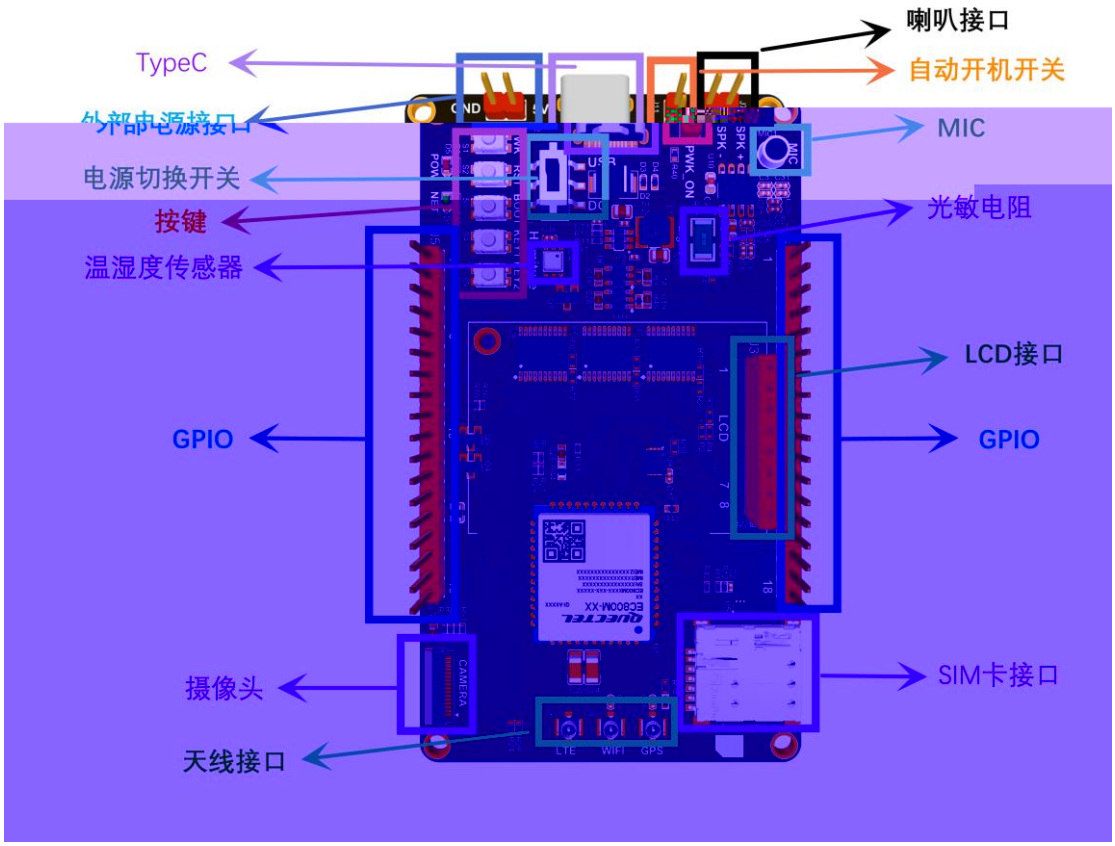
Oscarc _EVB_CA4. 0X、E800X T3.2

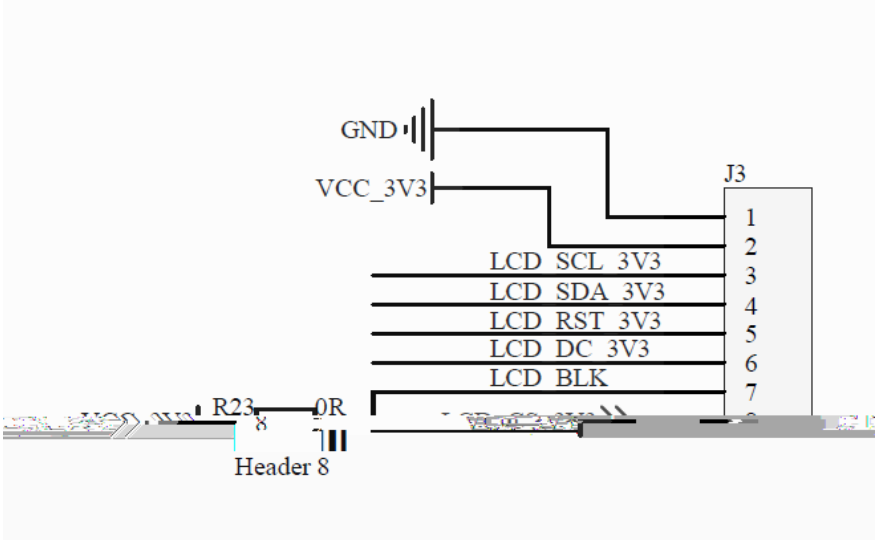
0. 0 / +11+07

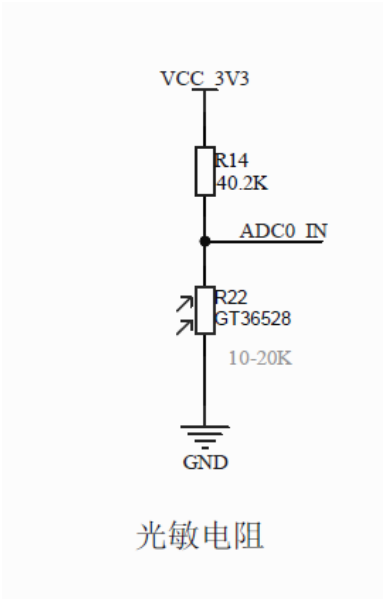


EC600X— EC600 EC600N EC600U EC600M
EC800X— EC800 EC800M EC800E
EVB—
V3.X--

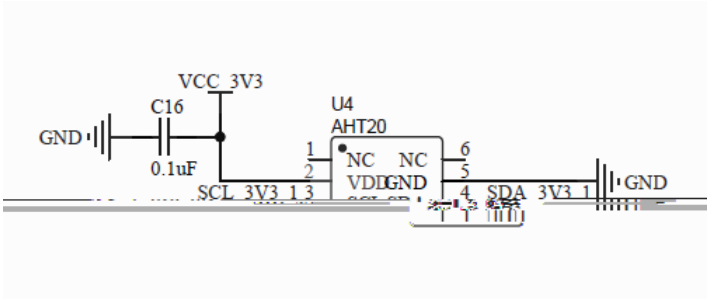

TypeC
喇叭接口
MIC

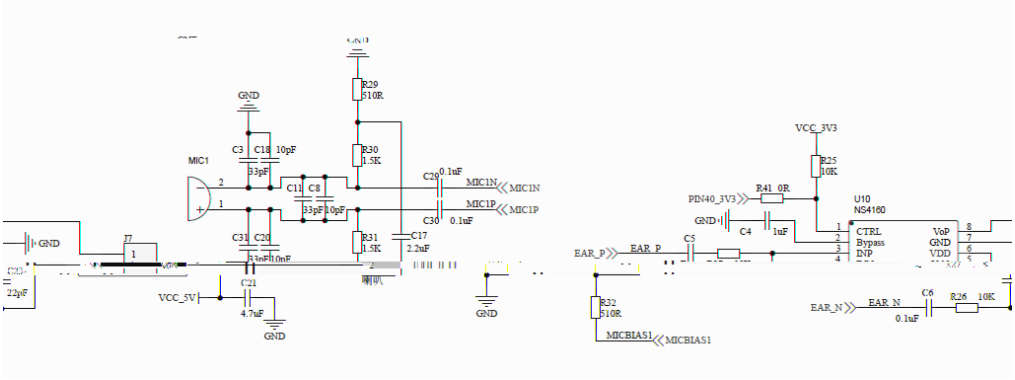

喇叭接口
自动开机开关
TypeC
外部电源接口
MIC
电源切换开关
光敏电阻
按键
温湿度传感器
LCD接口
GPIO
GPIO
SIM卡接口
摄像头
天线接口

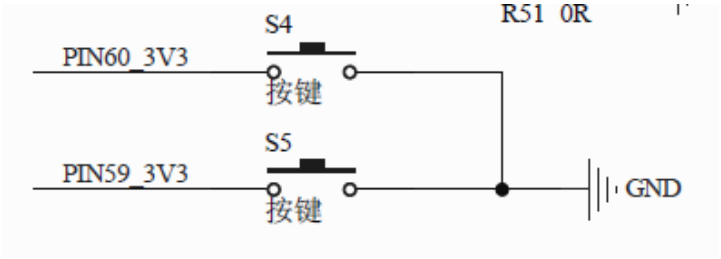

GND
VCC_3V3
J3
1
2
3
4
5
6
7
LCD_SCL_3V3
LCD_SDA_3V3
LCD_RST_3V3
LCD_DC_3V3
LCD_BLK
R23
0R
Header 8


VCC_3V3
R14
40.2K
ADC0_IN
R22
GT36528
10-20K
GND

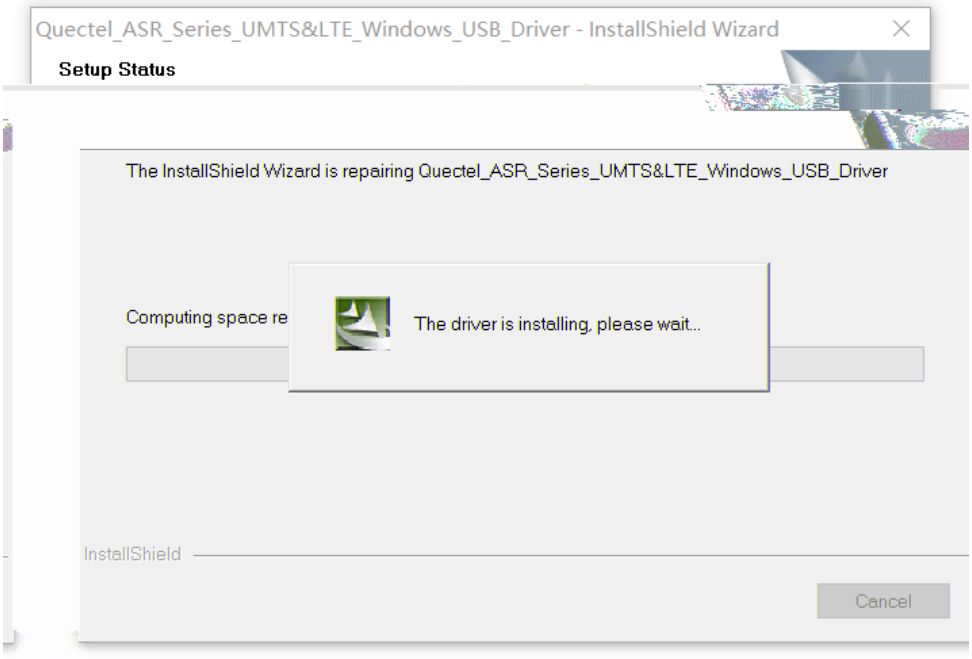
光敏电阻


VCC_3V3
C16
GND
0.1uF
U4
AHT20
NC
NC
VDD
GND
SDA
3V3_1
GND

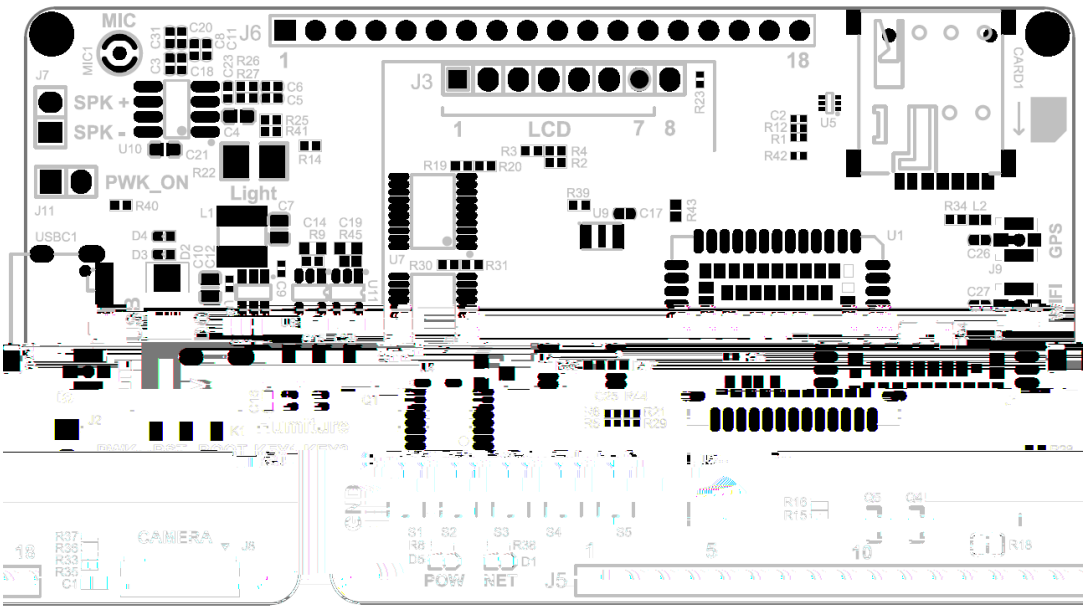

R29
510R
GND
C3
C18
10pF
MIC1
33pF
C11
C8
33pF
10pF
R30
1.5K
C20
0.1uF
MIC1N
MIC1P
C30
0.1uF
R31
1.5K
C17
2.2uF
C31
C20
33pF
10pF
J7
GND
C22
22pF
VCC_5V
C21
4.7uF
GND
GND
VCC_3V3
R25
10K
R41 0R
PIN40_3V3
GND
C4
1uF
U10
NS4160
CTRL
Bypass
DVP
VoP
GND
VDD
EAR_P
EAR_P
C5
R32
510R
MICBIAS1
MICBIAS1
EAR_N
EAR_N
C6
0.1uF
R26
10K

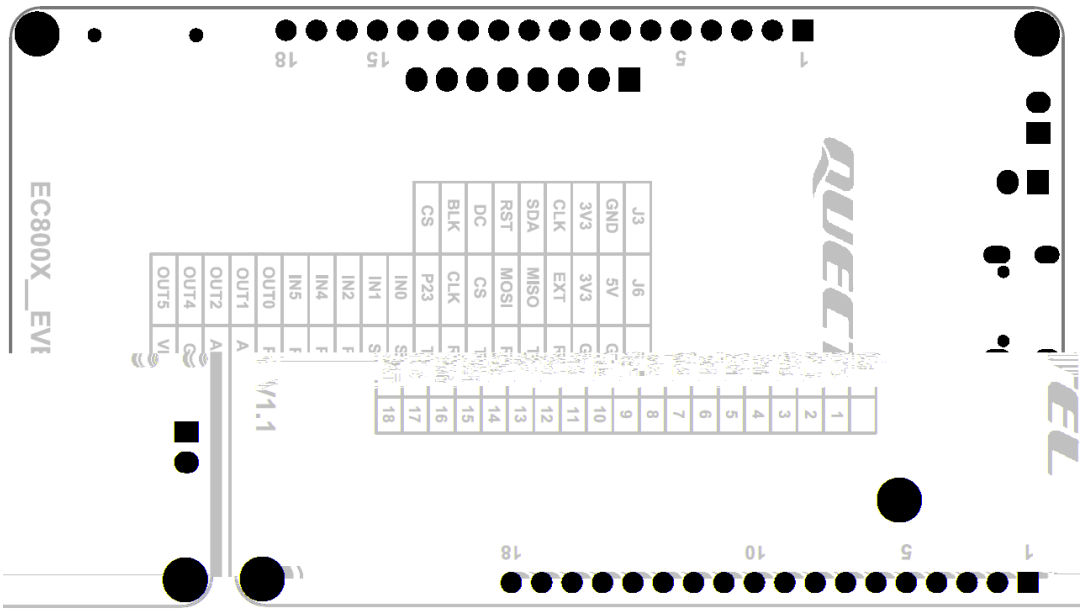

R51 0R
S4
PIN60_3V3
按键
S5
PIN59_3V3
按键
GND

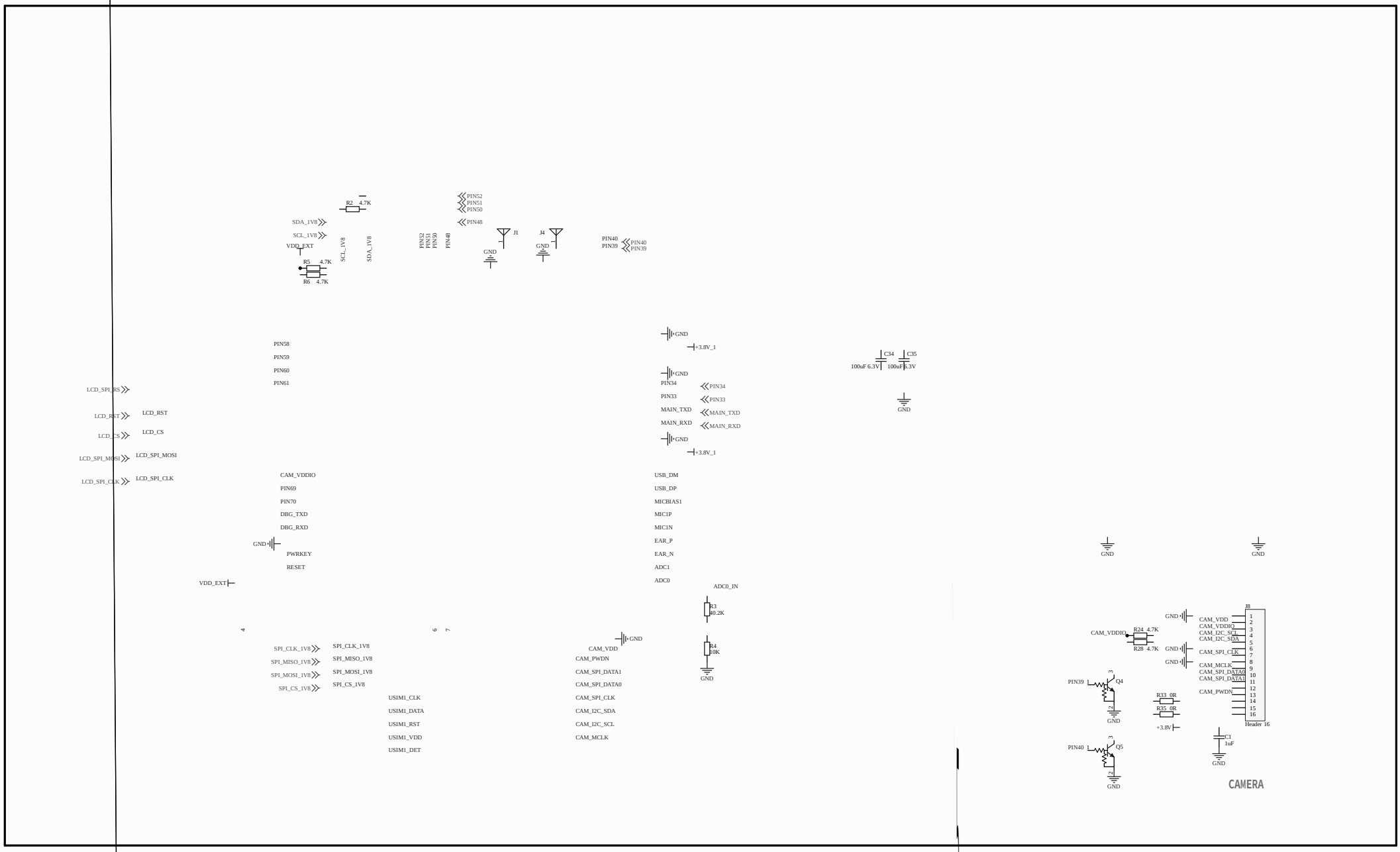
setup.exe


Quectel_ASR_Series_UMTS&LTE_Windows_USB_Driver - InstallShield Wizard
Setup Status
The InstallShield Wizard is repairing Quectel_ASR_Series_UMTS&LTE_Windows_USB_Driver
Computing space re
The driver is installing, please wait...
InstallShield
Cancel

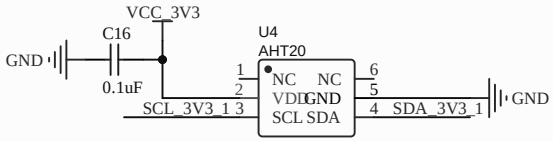
Quectel USB AT Port (COMx)
Quectel USB AP Log Port (COMx)
Quectel USB CP Log Port (COMx)
Quectel USB Diag Port (COMx)
Quectel USB MOS Port (COMx)
Quectel Modem (COMx)
Quectel USB Serial-1 Port (COMx)
Quectel USB Serial-2 Port (COMx)

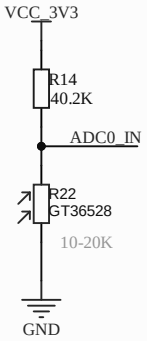

MIC
SPK +
SPK -
PWK_ON
Light
USBC1
J6
J3
LCD
J7
J11
J2
J8
J5
CAMERA
POW
NET
CARD1
GPS
LTE
U1
U5
U7
U10


EC800X_EVB
V1.1
J3
J6
CS
BLK
DC
RST
SDA
CLK
3V3
GND
P23
CLK
CS
MOSI
MISO
EXT
3V3
5V
OUT5
OUT4
OUT2
OUT1
OUT0
IN5
IN4
IN2
IN1
IN0



Title	EC600X	
Size: A2	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\...\EC600S.SchDoc		Drawn By:





SENSOR

Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
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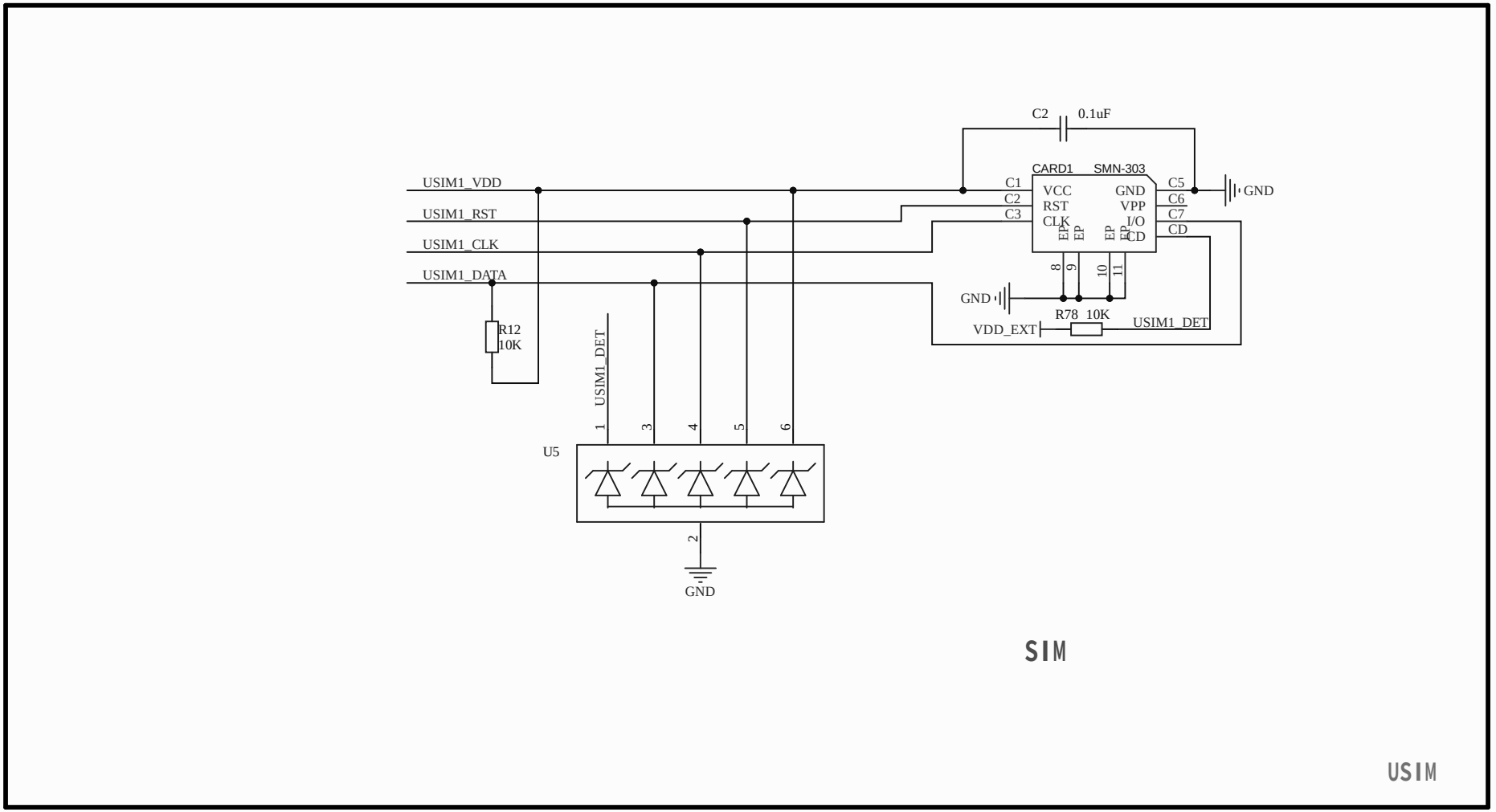

Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
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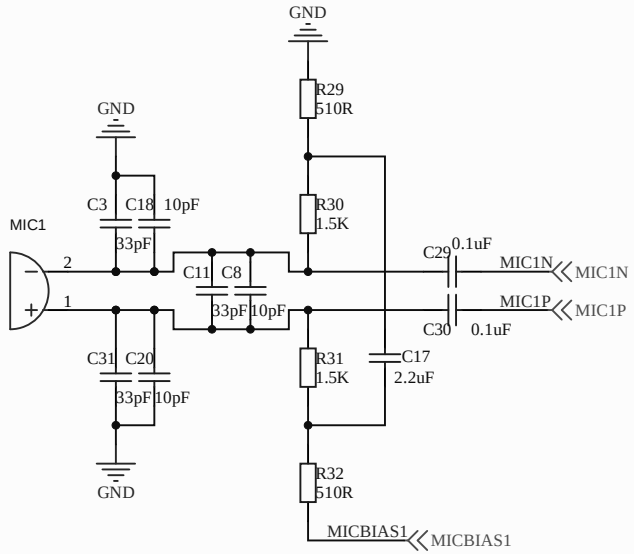

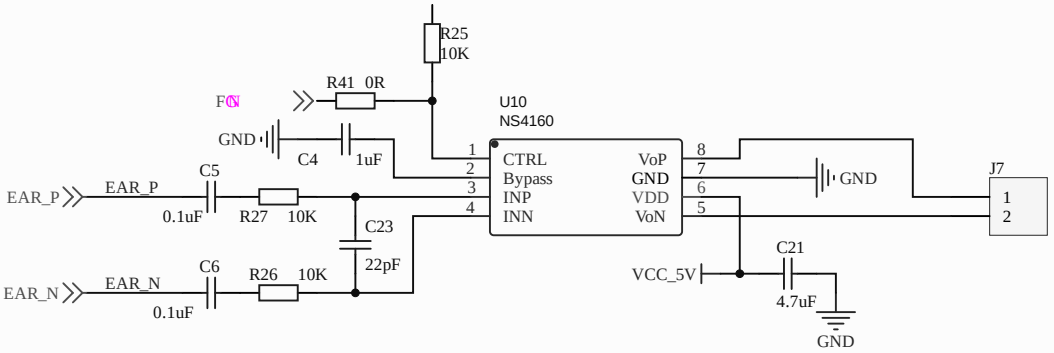

AUDIO

Title		
Size: A4	Number	Revision
Date: 3-31-2023		Sheet of
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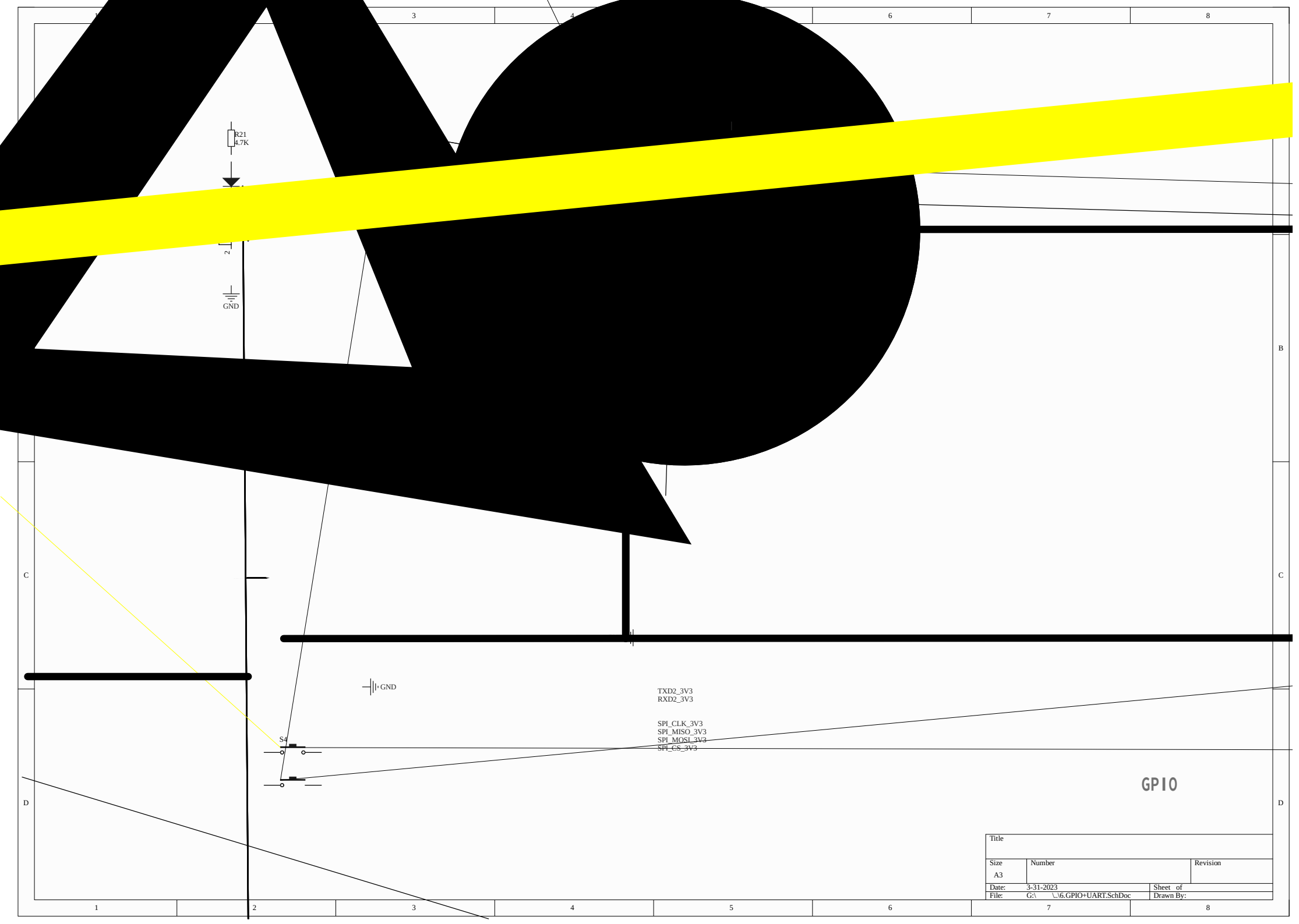
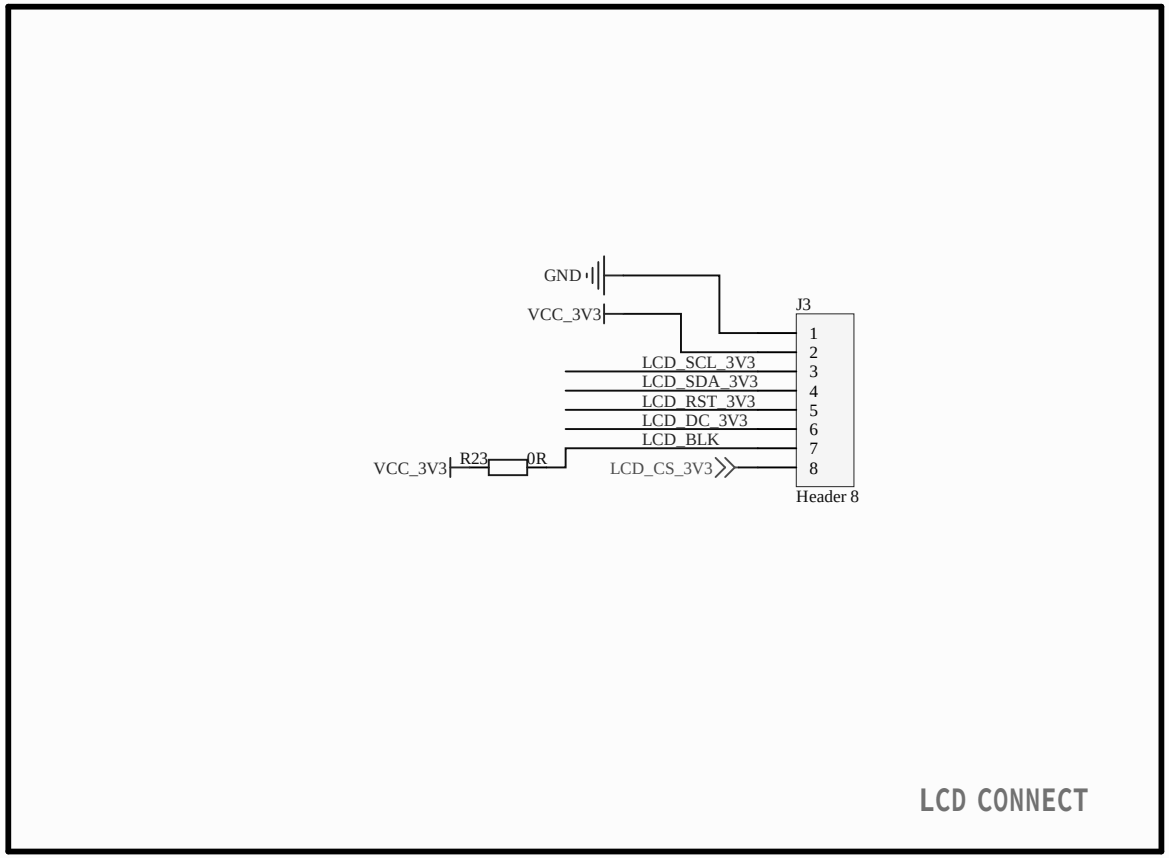

R21
4.7K
2
GND
GND
TXD2_3V3
RXD2_3V3
SPI_CLK_3V3
SPI_MISO_3V3
SPI_MOSI_3V3
SPI_CS_3V3
S4
GPIO
Title
Size
A3
Number
Revision
Date:
3-31-2023
Sheet of
File:
G:\ \..\6.GPIO+UART.SchDoc
Drawn By:



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Date: 3-31-2023		Sheet of
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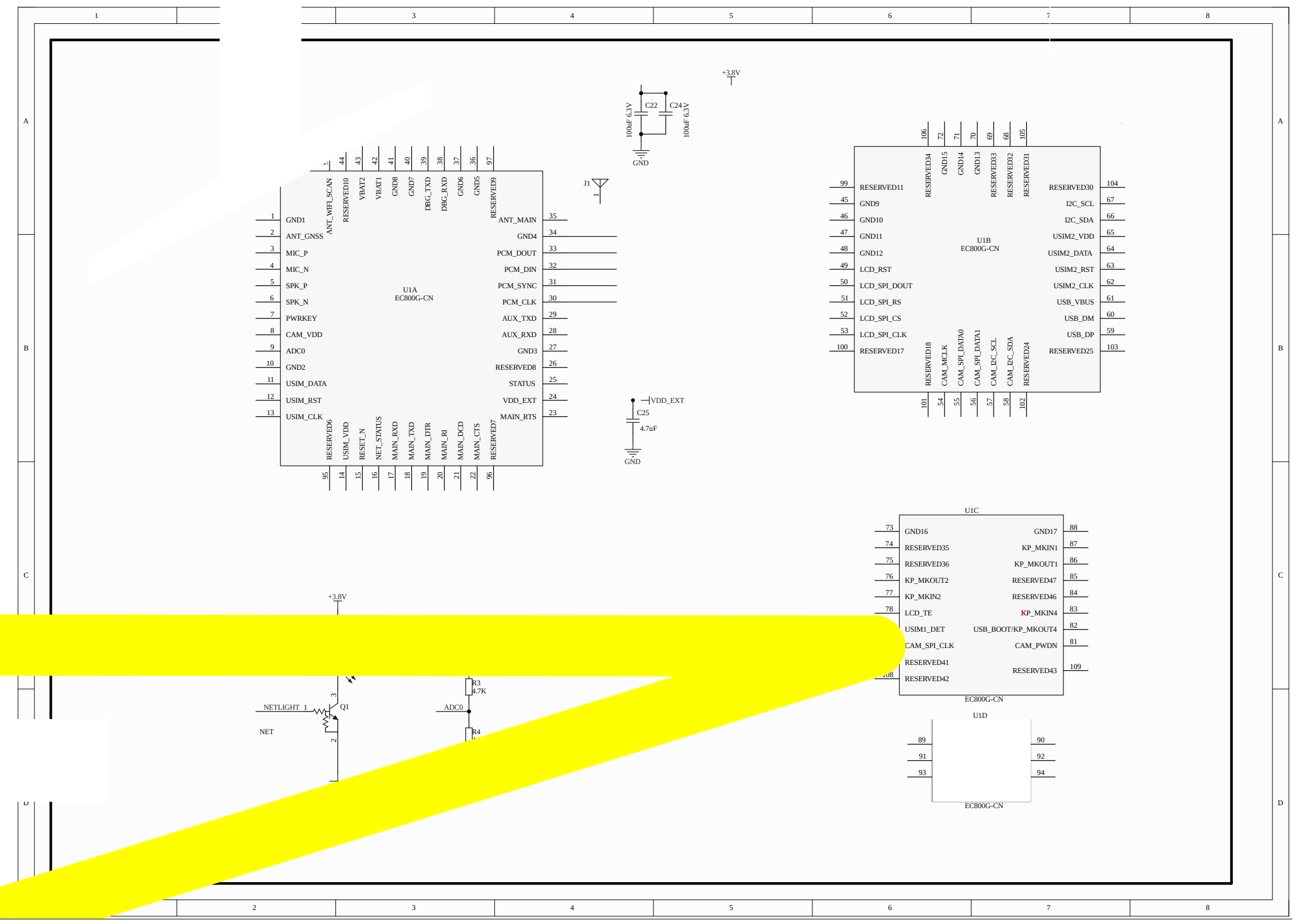
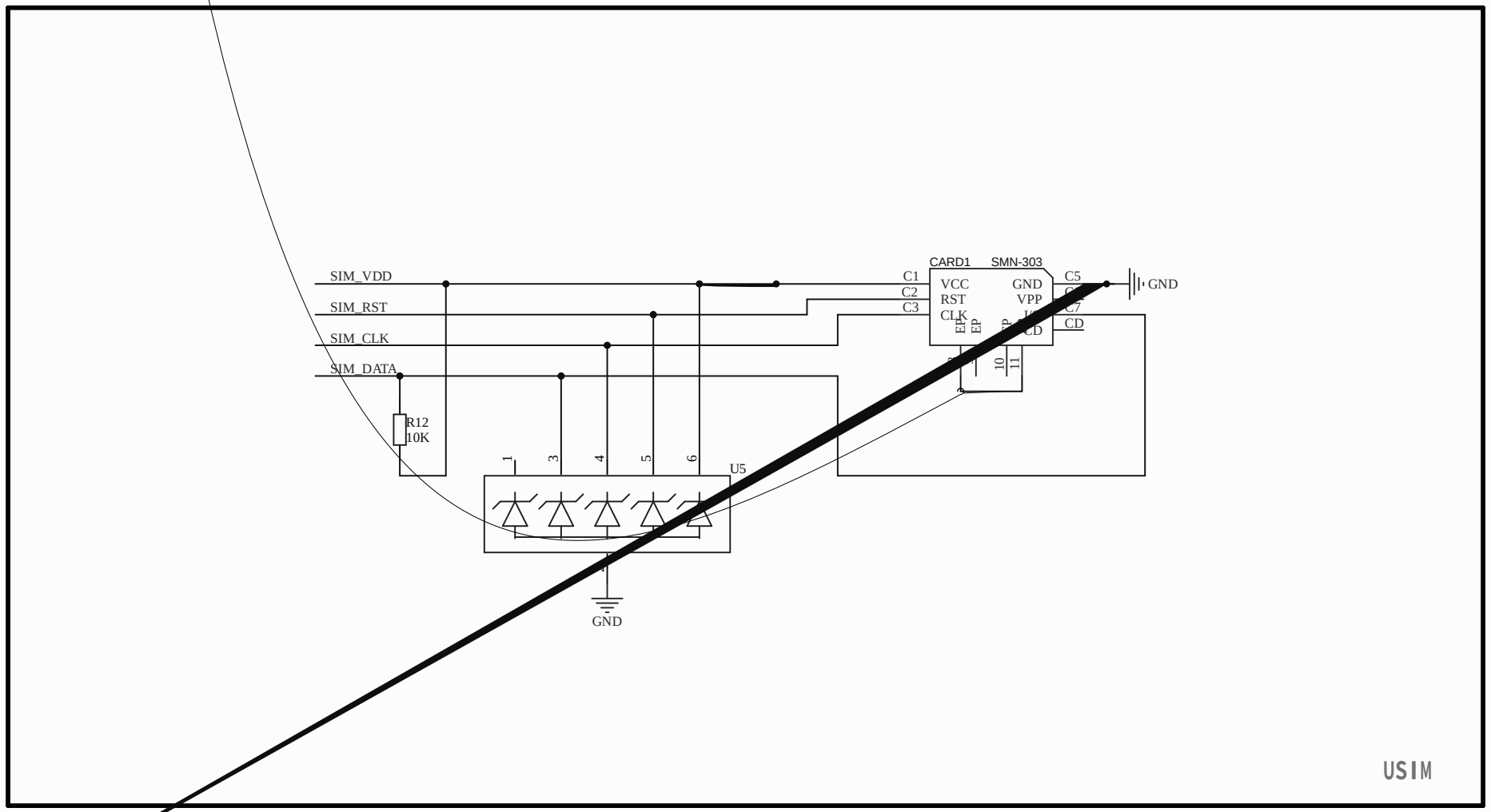
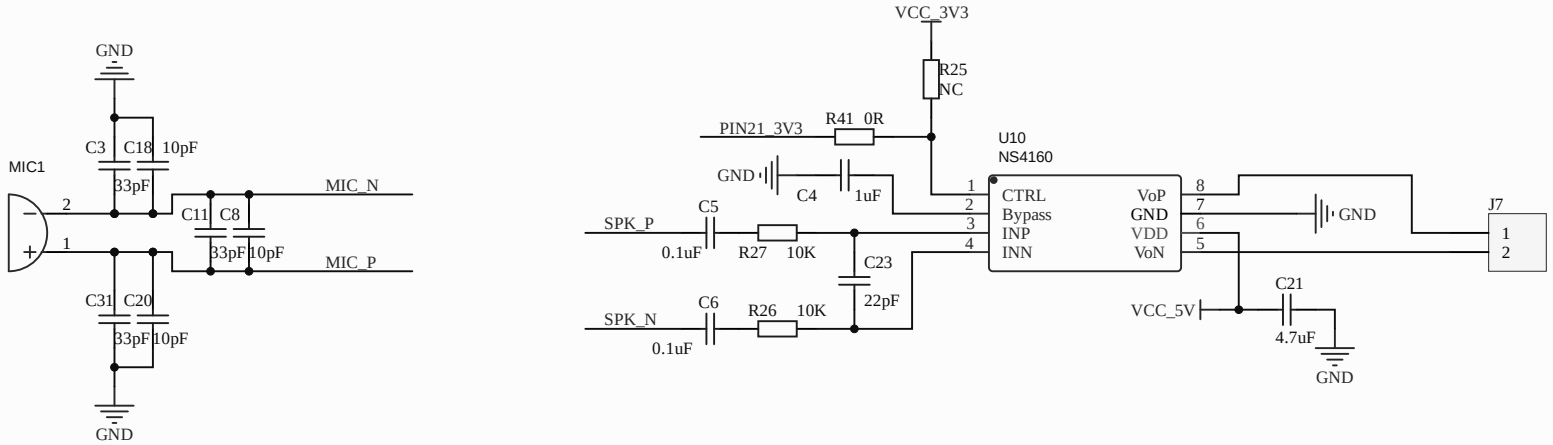
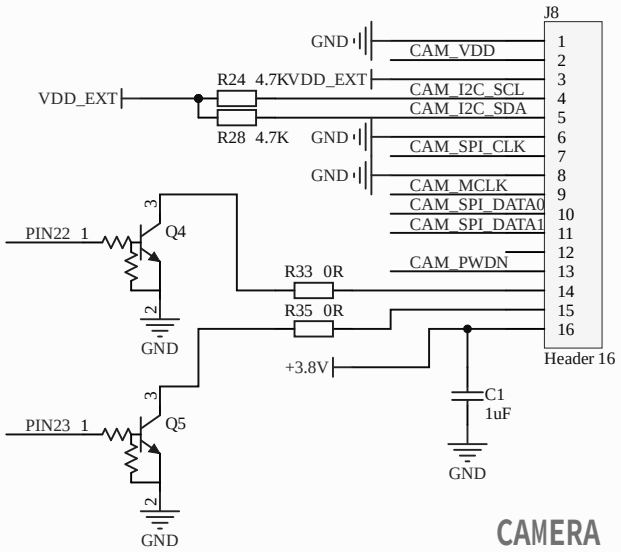

+3.8V
C22
C24
100uF 6.3V
100uF 6.3V
GND
J1
U1A
EC800G-CN
GND1
ANT_GNSS
MIC_P
MIC_N
SPK_P
SPK_N
PWRKEY
CAM_VDD
ADC0
GND2
USIM_DATA
USIM_RST
USIM_CLK
ANT_WIFI_SCAN
RESERVED10
VBAT2
VBAT1
GND8
GND7
DBG_TXD
DBG_RXD
GND6
GND5
RESERVED9
ANT_MAIN
GND4
PCM_DOUT
PCM_DIN
PCM_SYNC
PCM_CLK
AUX_TXD
AUX_RXD
GND3
RESERVED8
STATUS
VDD_EXT
MAIN_RTS
RESERVED6
USIM_VDD
RESET_N
NET_STATUS
MAIN_RXD
MAIN_TXD
MAIN_DTR
MAIN_RI
MAIN_DCD
MAIN_CTS
RESERVED7
VDD_EXT
C25
4.7uF
GND
U1B
EC800G-CN
RESERVED11
GND9
GND10
GND11
GND12
LCD_RST
LCD_SPI_DOUT
LCD_SPI_RS
LCD_SPI_CS
LCD_SPI_CLK
RESERVED17
RESERVED34
GND15
GND14
GND13
RESERVED33
RESERVED32
RESERVED31
RESERVED30
I2C_SCL
I2C_SDA
USIM2_VDD
USIM2_DATA
USIM2_RST
USIM2_CLK
USB_VBUS
USB_DM
USB_DP
RESERVED25
RESERVED18
CAM_MCLK
CAM_SPI_DATA0
CAM_SPI_DATA1
CAM_I2C_SCL
CAM_I2C_SDA
RESERVED24
+3.8V
NETLIGHT_1
Q1
NET
R3
4.7K
ADC0
R4
U1C
EC800G-CN
GND16
RESERVED35
RESERVED36
KP_MKOUT2
KP_MKIN2
LCD_TE
USIM1_DET
CAM_SPI_CLK
RESERVED41
RESERVED42
GND17
KP_MKIN1
KP_MKOUT1
RESERVED47
RESERVED46
KP_MKIN4
USB_BOOT/KP_MKOUT4
CAM_PWDN
RESERVED43
U1D
EC800G-CN

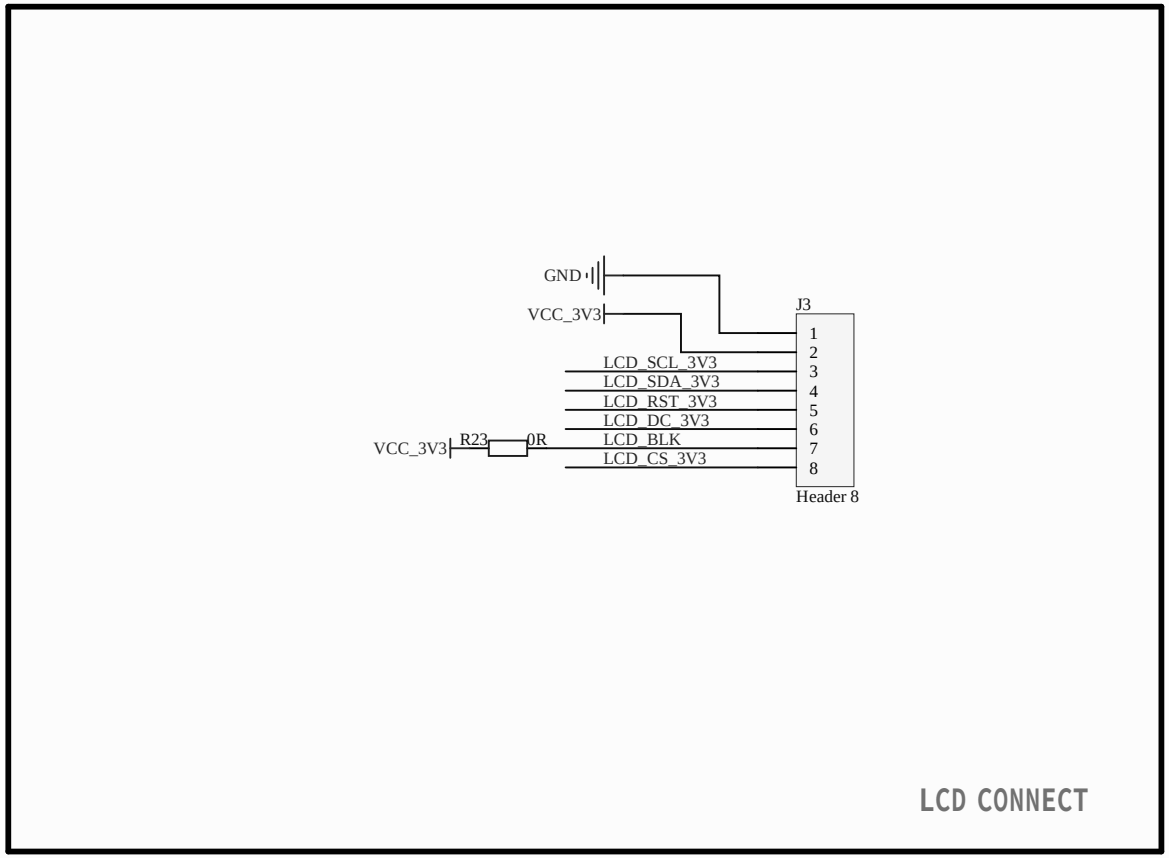

SIM_VDD
SIM_RST
SIM_CLK
SIM_DATA
R12
10K
U5
GND
CARD1
SMN-303
VCC
RST
CLK
GND
VPP
C1
C2
C3
C5
C7
CD
GND
USIM

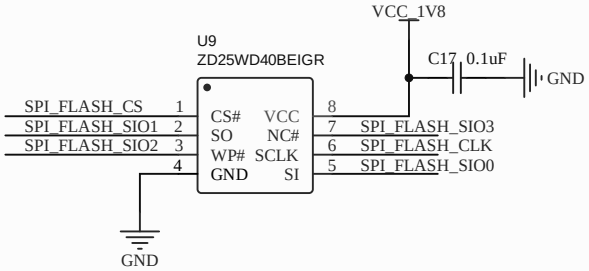

GND
C3
C18
10pF
33pF
MIC1
2
1
C11
C8
33pF
10pF
MIC_N
MIC_P
C31
C20
33pF
10pF
GND
VCC_3V3
R25
NC
PIN21_3V3
R41
0R
U10
NS4160
GND
C4
1uF
SPK_P
C5
0.1uF
R27
10K
C23
22pF
SPK_N
C6
0.1uF
R26
10K
CTRL
Bypass
INP
INN
VoP
GND
VDD
VoN
GND
J7
VCC_5V
C21
4.7uF
GND

AUDIO

AUDIO


J8
GND
CAM_VDD
R24 4.7K
VDD_EXT
CAM_I2C_SCL
CAM_I2C_SDA
R28 4.7K
GND
CAM_SPI_CLK
GND
CAM_MCLK
CAM_SPI_DATA0
CAM_SPI_DATA1
PIN22 1
Q4
CAM_PWDN
R33 0R
R35 0R
GND
+3.8V
C1
1uF
PIN23 1
Q5
GND
GND
Header 16
CAMERA


GND
VCC_3V3
J3
1
2
3
4
5
6
7
8
LCD_SCL_3V3
LCD_SDA_3V3
LCD_RST_3V3
LCD_DC_3V3
LCD_BLK
LCD_CS_3V3
VCC_3V3
R23
0R
Header 8
LCD CONNECT


VCC_1V8
U9
ZD25WD40BEIGR
C17 0.1uF
GND
SPI_FLASH_CS 1
SPI_FLASH_SIO1 2
SPI_FLASH_SIO2 3
4
CS# VCC 8
SO NC# 7 SPI_FLASH_SIO3
WP# SCLK 6 SPI_FLASH_CLK
GND SI 5 SPI_FLASH_SIO0
GND

Flash