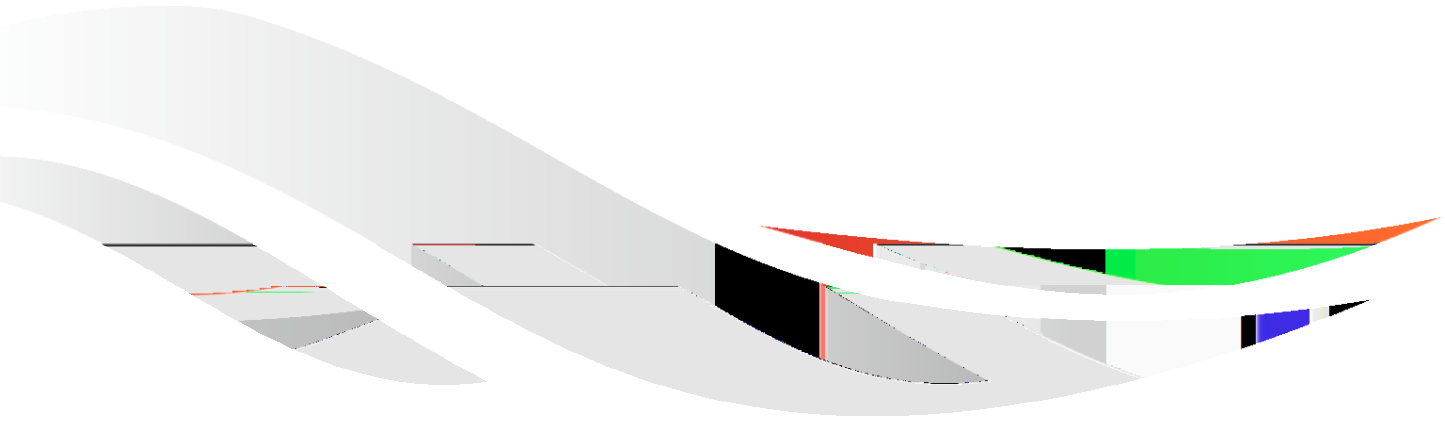
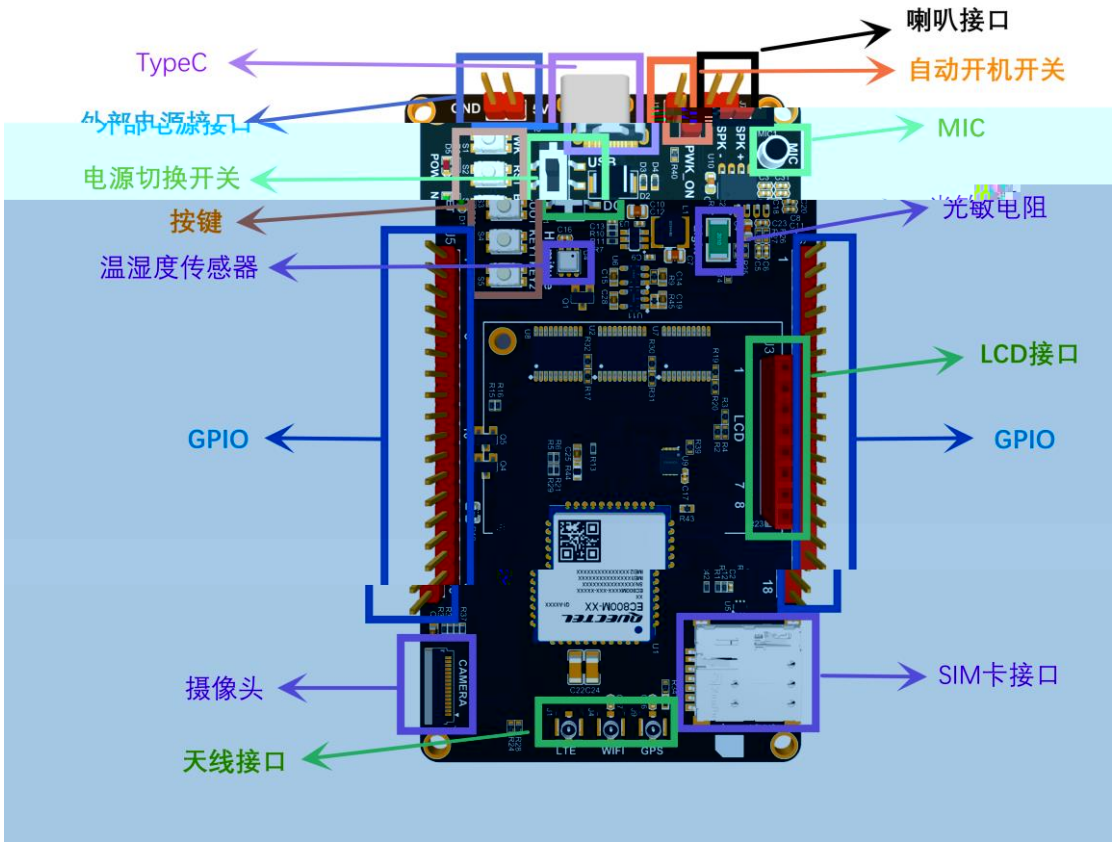
EVB_EC600X、EC800X

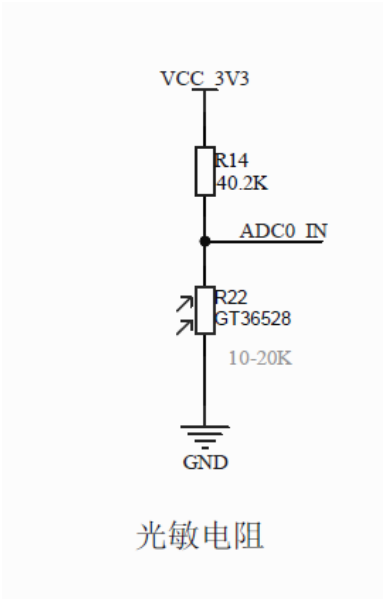
EVB 0X、E800X 3.2

11 07

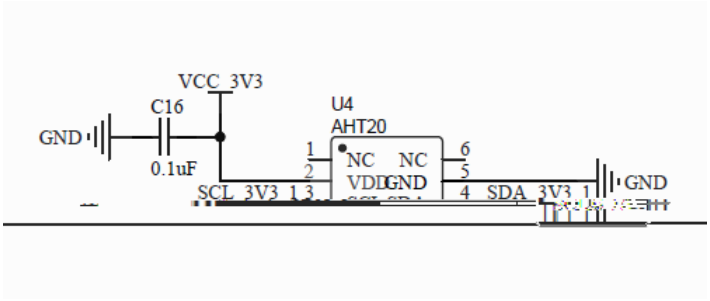


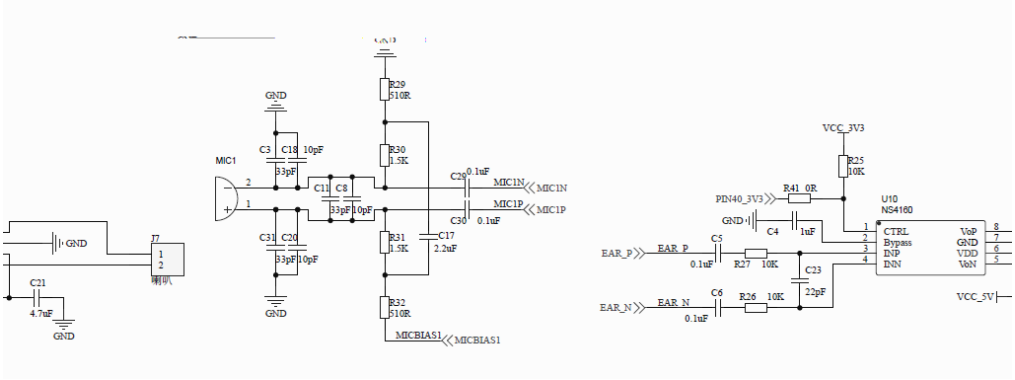
EC600X— EC600 EC600N EC600U EC600M
EC800X— EC800 EC800M EC800E
EVB—
V3.X--

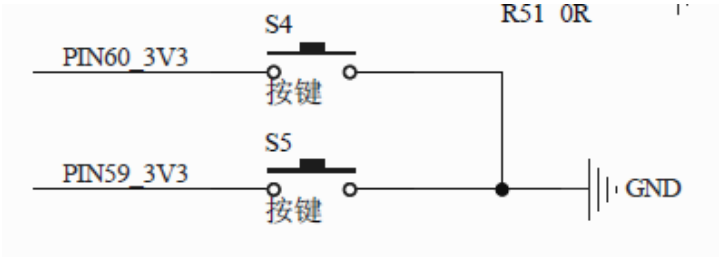

喇叭接口
TypeC
自动开机开关
外部电源接口
MIC
电源切换开关
光敏电阻
按键
温湿度传感器
LCD接口
GPIO
GPIO
摄像头
SIM卡接口
天线接口


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

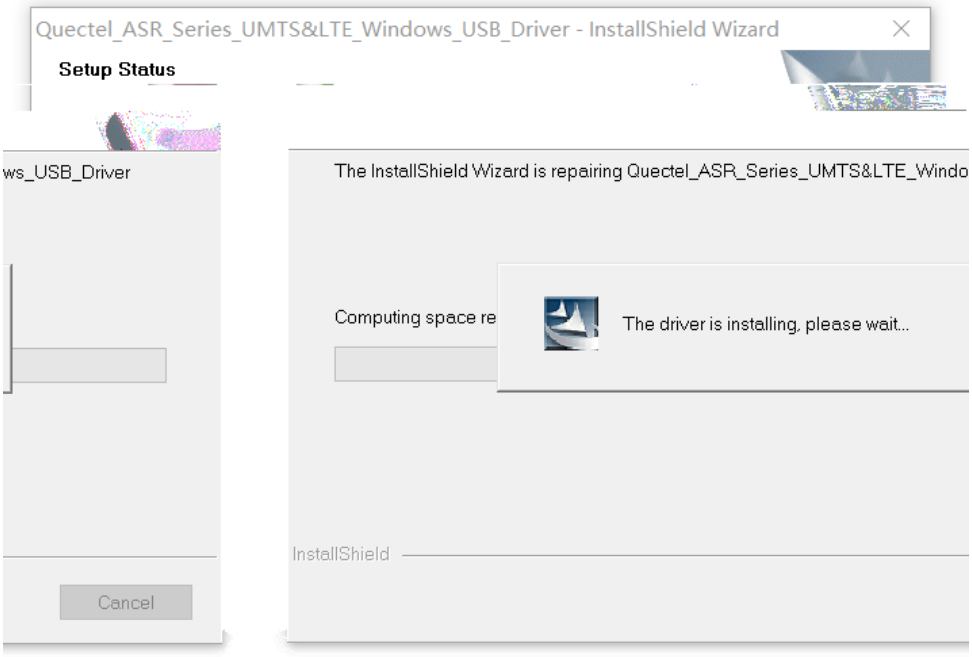
光敏电阻


VCC_3V3
C16
GND
0.1uF
U4
AHT20
NC
NC
VDD
GND
SCL_3V3_1
SDA_3V3_1
GND


GND
R29
510R
C3
C18
10pF
33pF
MIC1
R30
1.5K
C11
C8
33pF
10pF
C29
0.1uF
MIC1N
MIC1P
C30
0.1uF
C31
C20
33pF
10pF
R31
1.5K
C17
2.2uF
R32
510R
MICBIAS1
J7
C21
4.7uF
VCC_3V3
R25
10K
R41 0R
PIN40_3V3
C4
1uF
U10
NS4160
CTRL
Bypass
INP
INN
VoP
GND
VDD
VoN
EAR_P
C5
0.1uF
R27
10K
C23
22pF
EAR_N
C6
0.1uF
R26
10K
VCC_5V

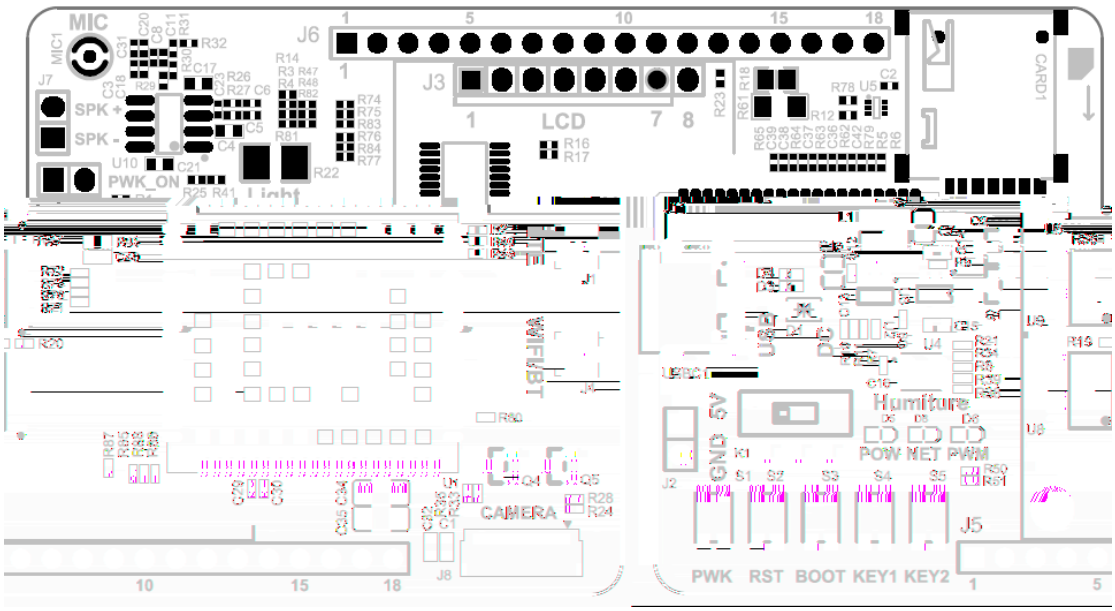

R51 0R
S4
PIN60_3V3
按键
S5
PIN59_3V3
按键
GND

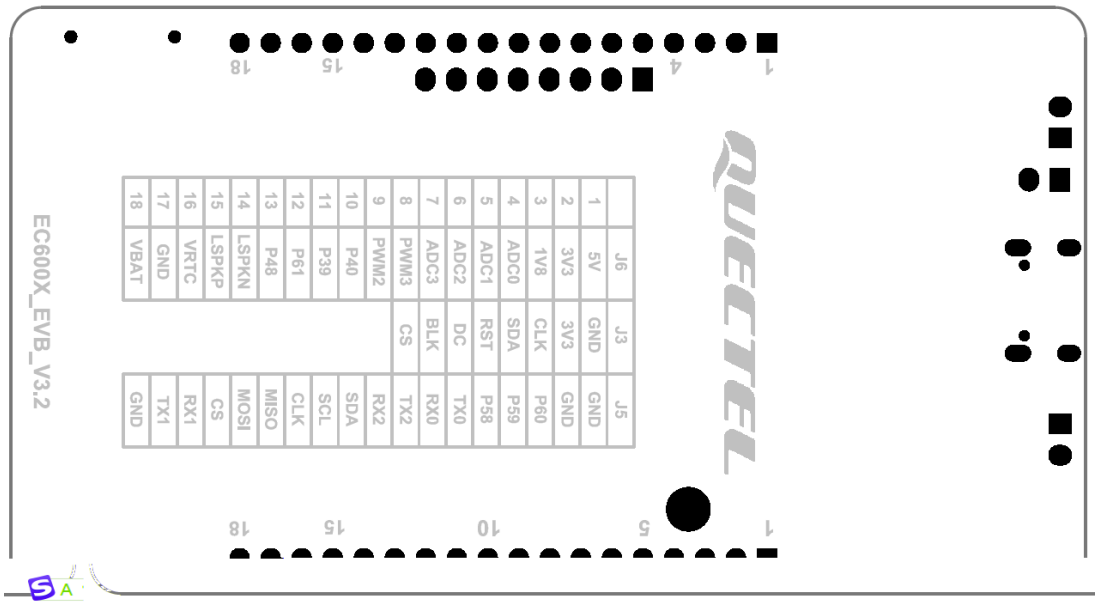
setup.exe

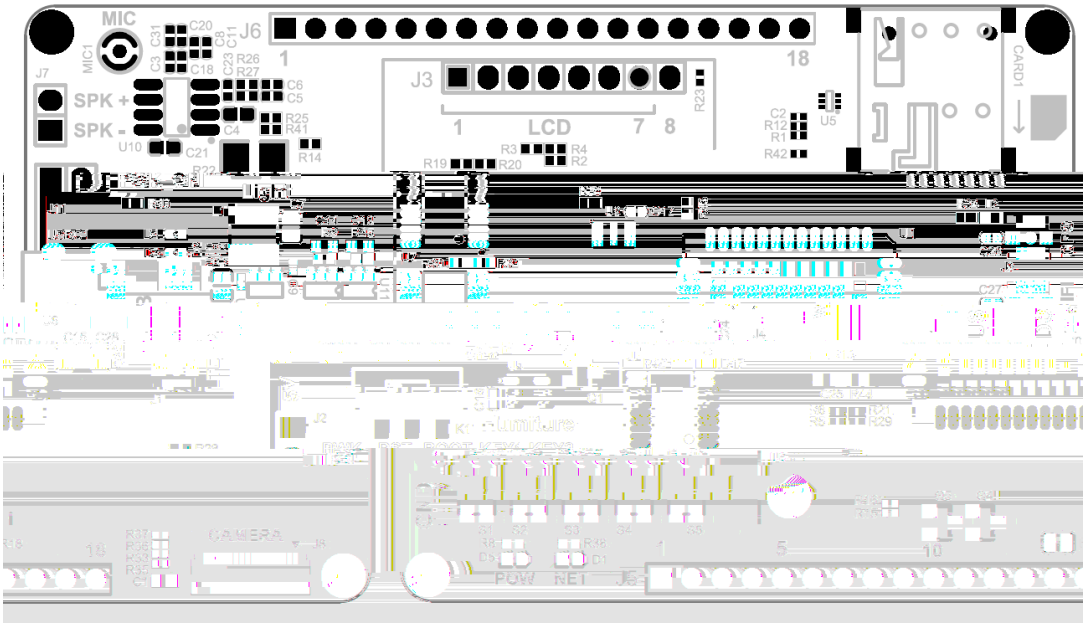

Quectel_ASR_Series_UMTS&LTE_Windows_USB_Driver - InstallShield Wizard
Setup Status
ws_USB_Driver
Cancel
The InstallShield Wizard is repairing Quectel_ASR_Series_UMTS&LTE_Windo
Computing space re
The driver is installing, please wait...
InstallShield

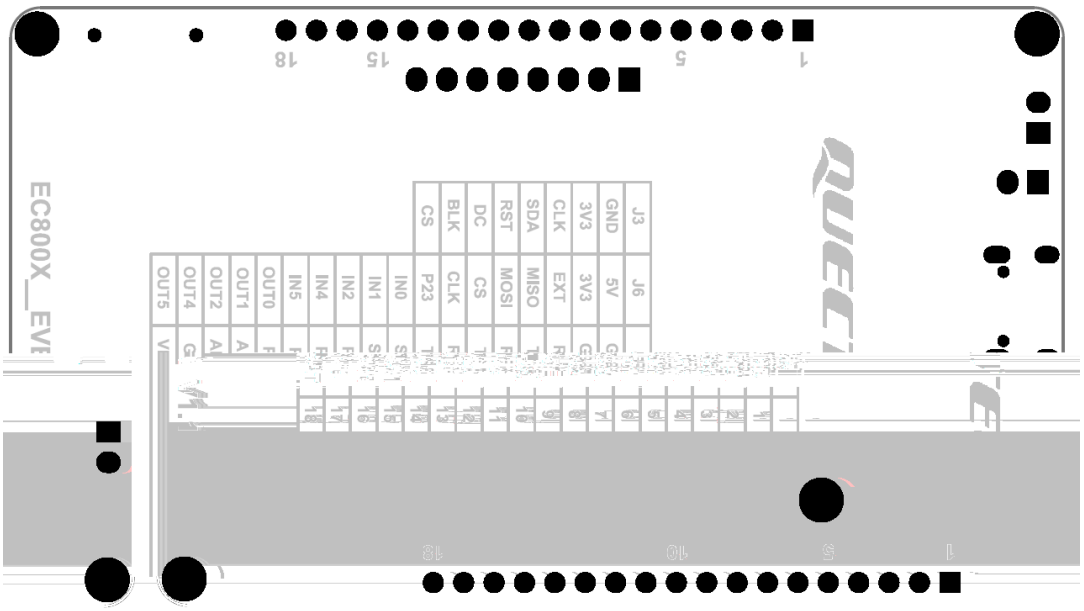
Quectel USB AT Port (COMx)
Quectel USB DIAG Port (COMx)
Quectel USB MI05 COM Port (COMx)

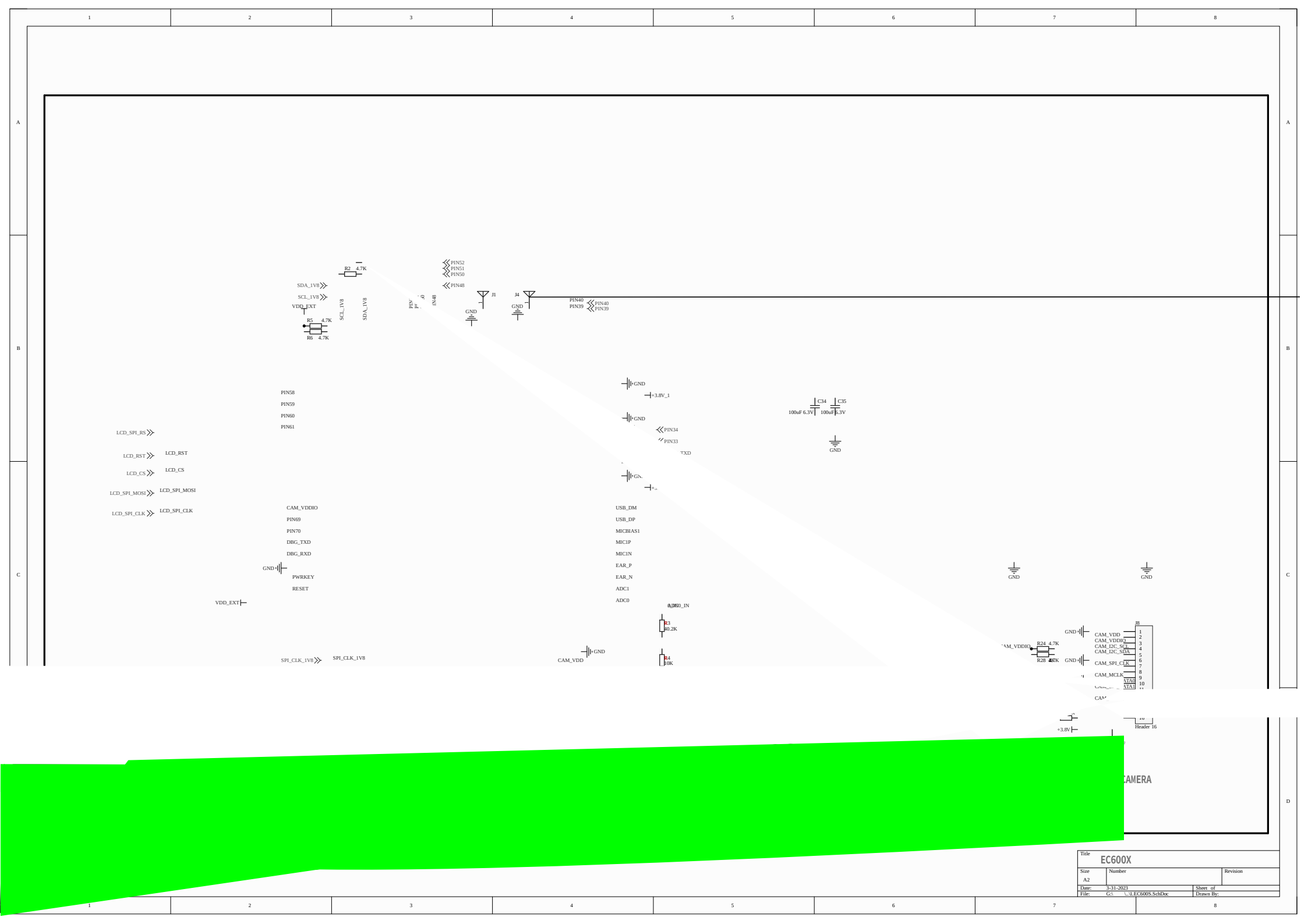
Quectel USB AT Port (COMx)
Quectel USB AP Log Port (COMx)
Quectel USB CP Log Port (COMx)
Quectel USB Diag Port (COMx)
Quectel USB MOS Port (COMx)
Quectel Modem (COMx)
Quectel USB Serial-1 Port (COMx)
Quectel USB Serial-2 Port (COMx)

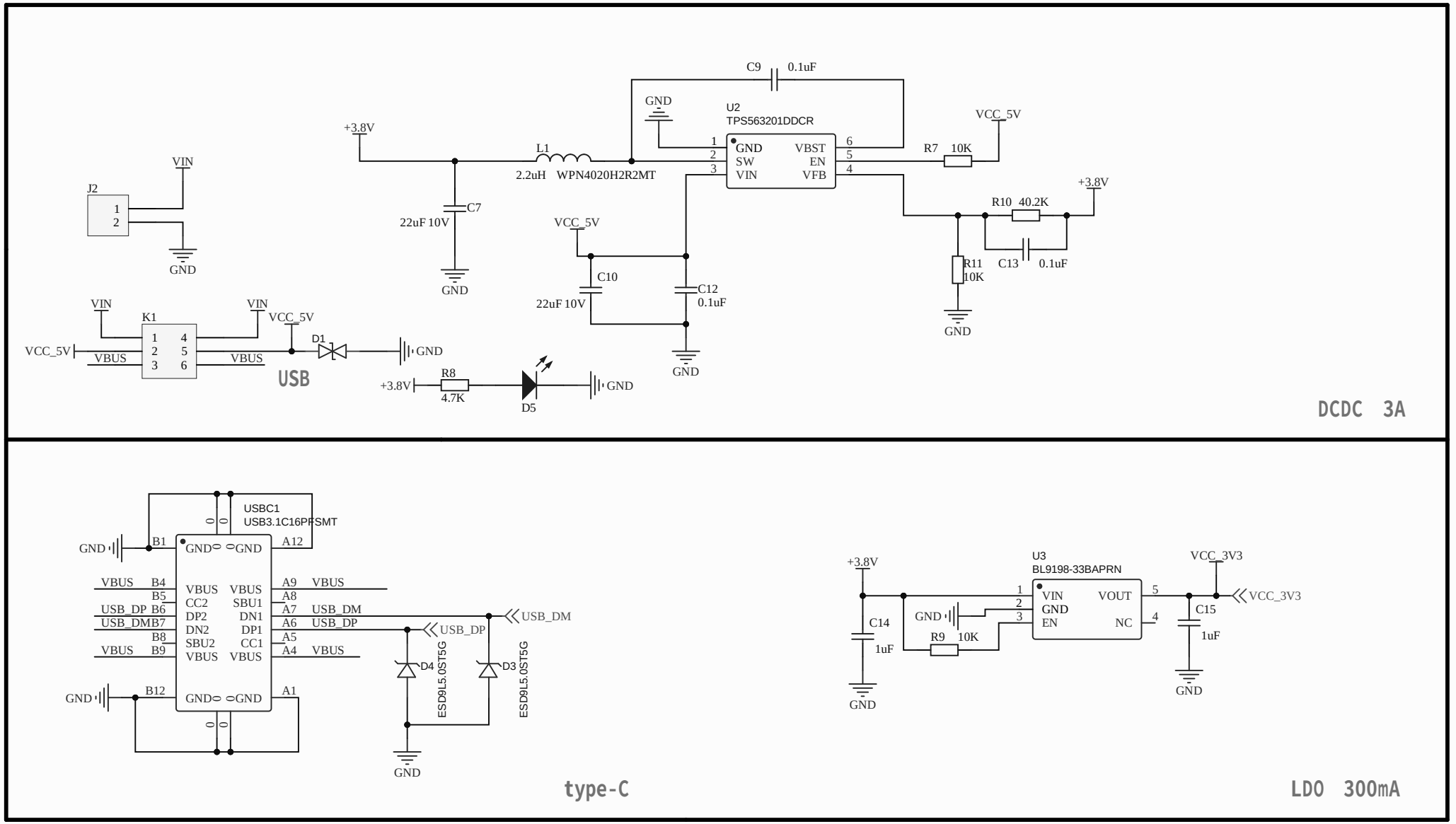

MIC
SPK
SPK
PWK_ON
J6
J3
LCD
J5
PWK RST BOOT KEY1 KEY2
CAMERA
Humiture
POW MET PWM
5V
GND


EC600X_EVB_V3.2
QUECTEL
J6 1 5V 2 3V3 3 1V8 4 ADC0 5 ADC1 6 ADC2 7 ADC3 8 PWM3 9 PWM2 10 P40 11 P39 12 P61 13 P48 14 LSPKN 15 LSPKP 16 VRTC 17 GND 18 VBAT
J3 GND 3V3 CLK SDA RST DC BLK CS
J5 GND GND P60 P59 P58 TX0 RX0 TX2 RX2 SDA SCL CLK MISO MOSI CS RX1 TX1 GND


MIC
SPK +
SPK -
J6
J3
LCD
CARD1
CAMERA


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


R2 4.7K
SDA_1V8
SCL_1V8
VDD_EXT
R5 4.7K
R6 4.7K
PIN52
PIN51
PIN50
PIN48
J1
J4
GND
PIN40
PIN39
PIN58
PIN59
PIN60
PIN61
LCD_SPI_RS
LCD_RST
LCD_CS
LCD_SPI_MOSI
LCD_SPI_CLK
+3.8V_1
C34 100uF 6.3V
C35 100uF 6.3V
PIN34
PIN33
TXD
CAM_VDDIO
PIN69
PIN70
DBG_TXD
DBG_RXD
PWRKEY
RESET
USB_DM
USB_DP
MICBIAS1
MIC1P
MIC1N
EAR_P
EAR_N
ADC1
ADC0
R3 40.2K
R4 10K
SPI_CLK_1V8
CAM_VDD
R24 4.7K
R28 4.7K
CAM_VDD
CAM_VDDIO
CAM_I2C_SCL
CAM_I2C_SDA
CAM_SPI_CLK
CAM_MCLK
+3.8V
Header 16
CAMERA
Title
EC600X
Size
A2
Number
Revision
Date: 3-31-2023
Sheet of
File: G:\...\EC600S.SchDoc
Drawn By:



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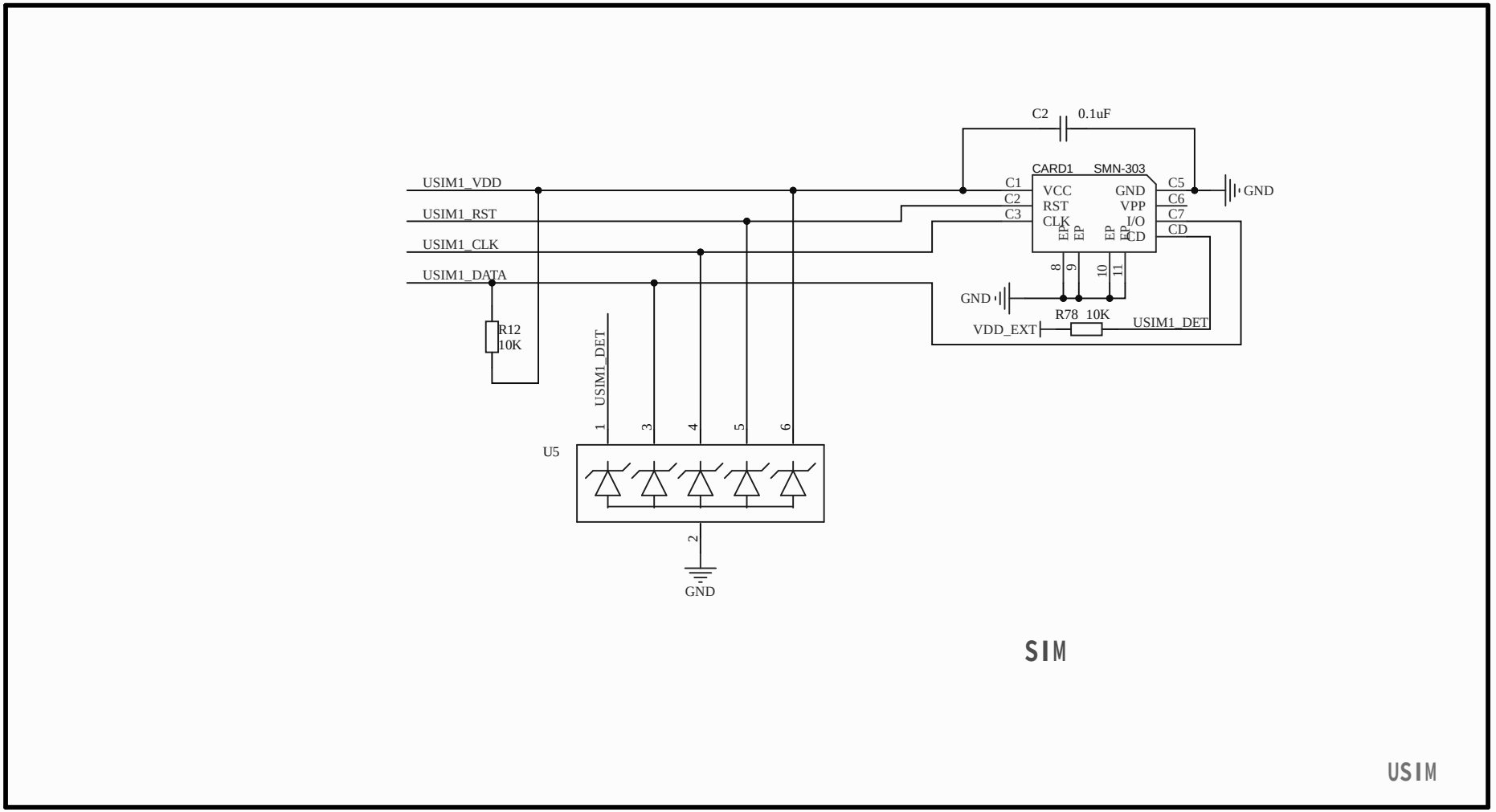
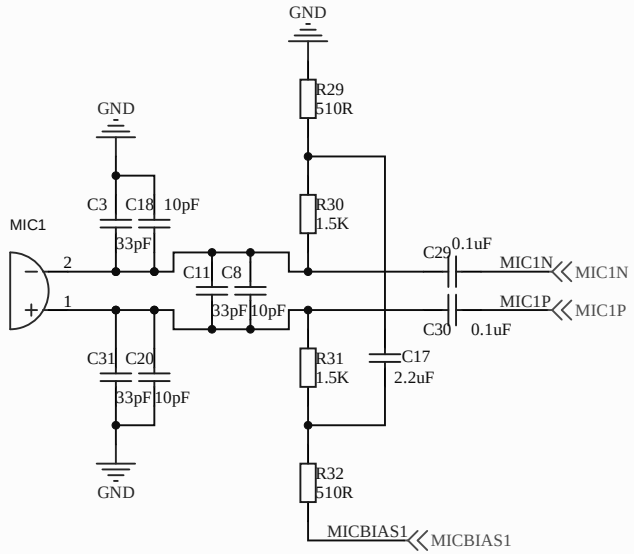
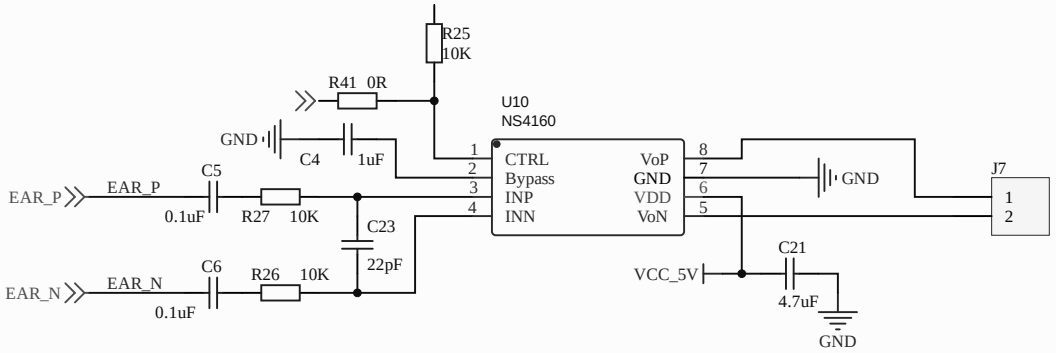


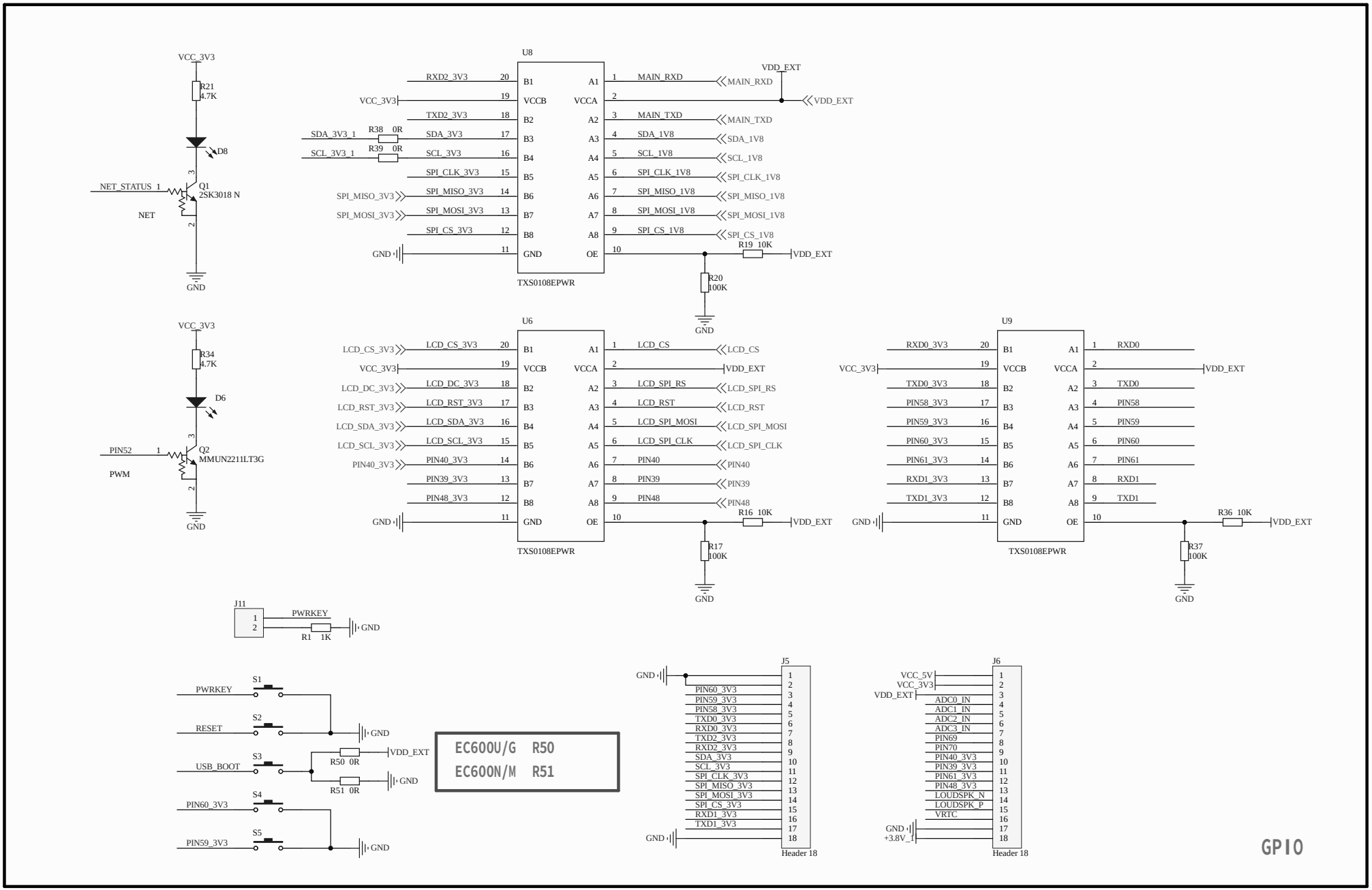
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\4.SIM-CARD.SchDoc		Drawn By:



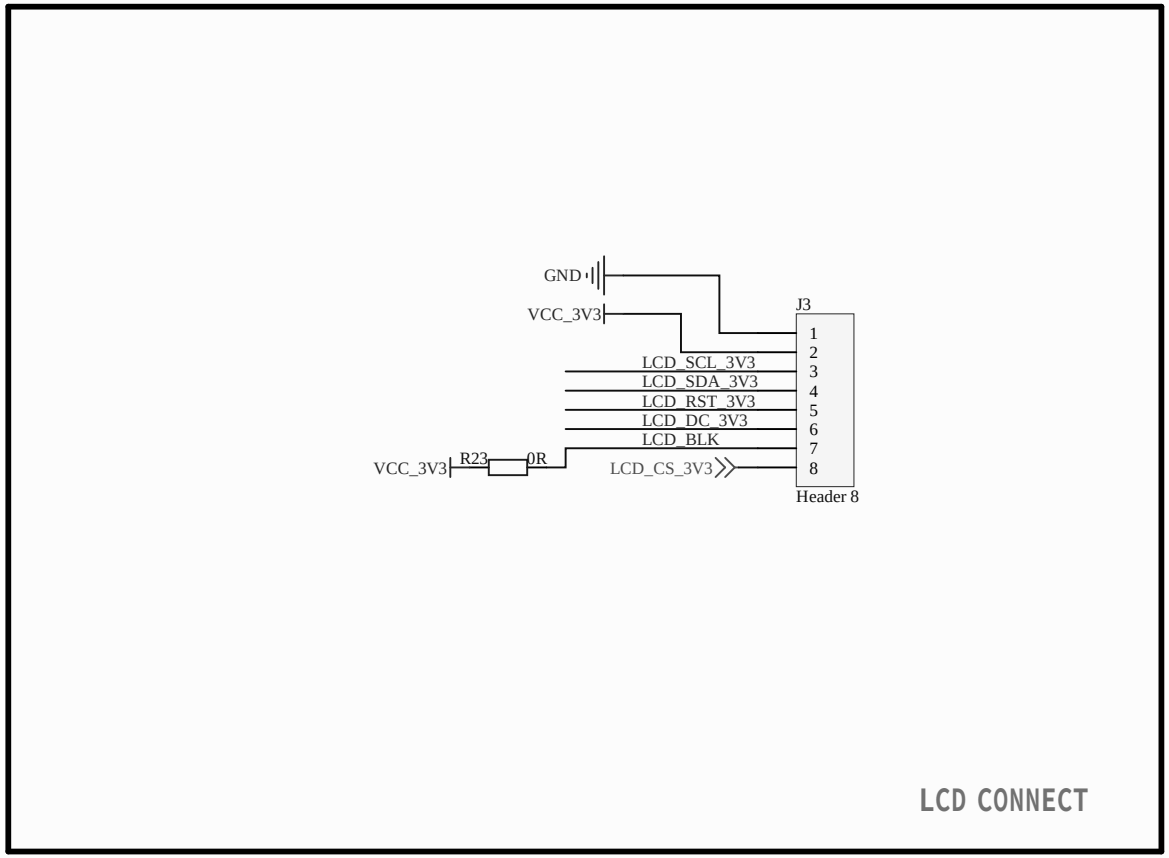


AUDIO

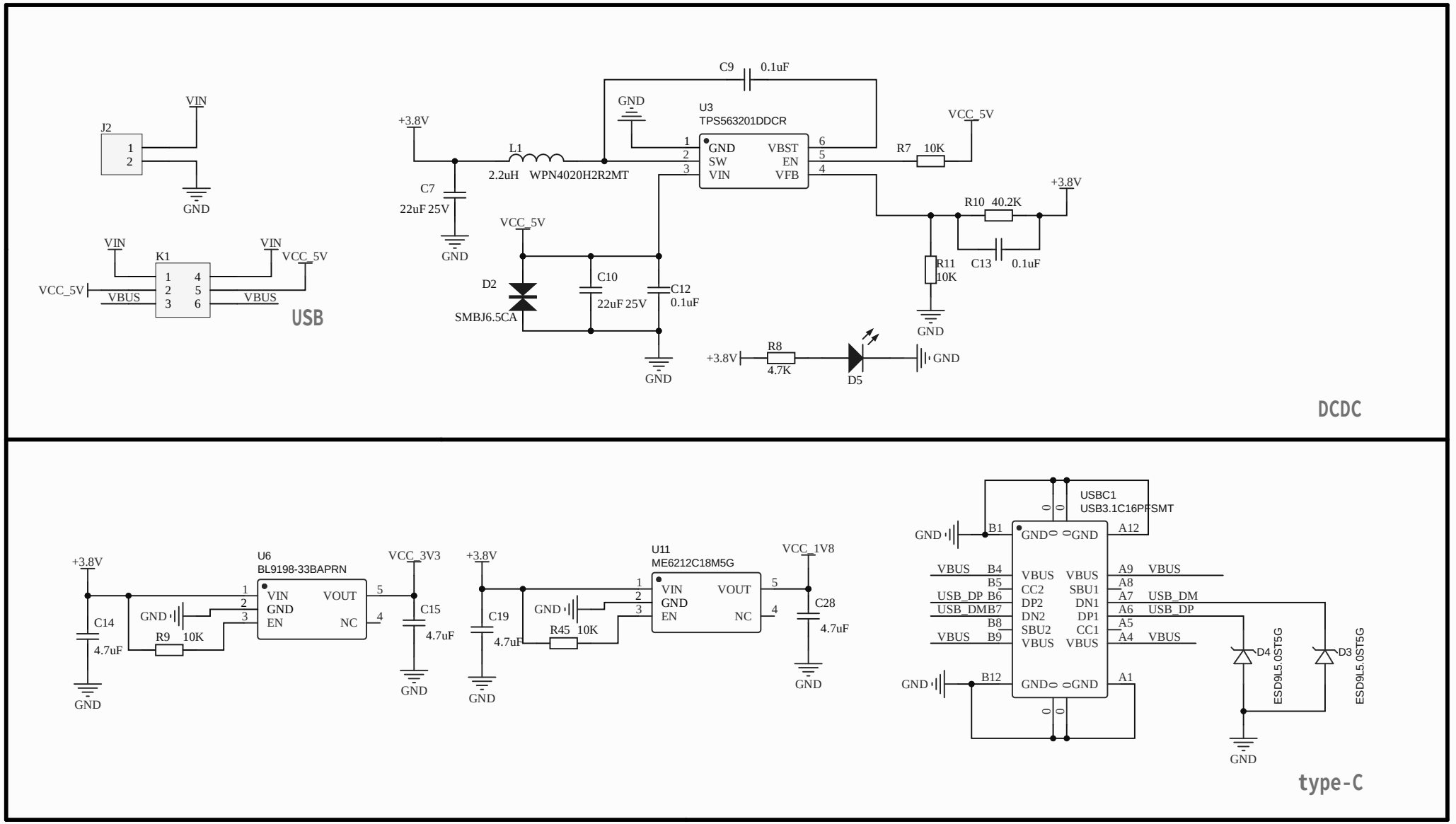
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\5.AUDIO.SchDoc		Drawn By:



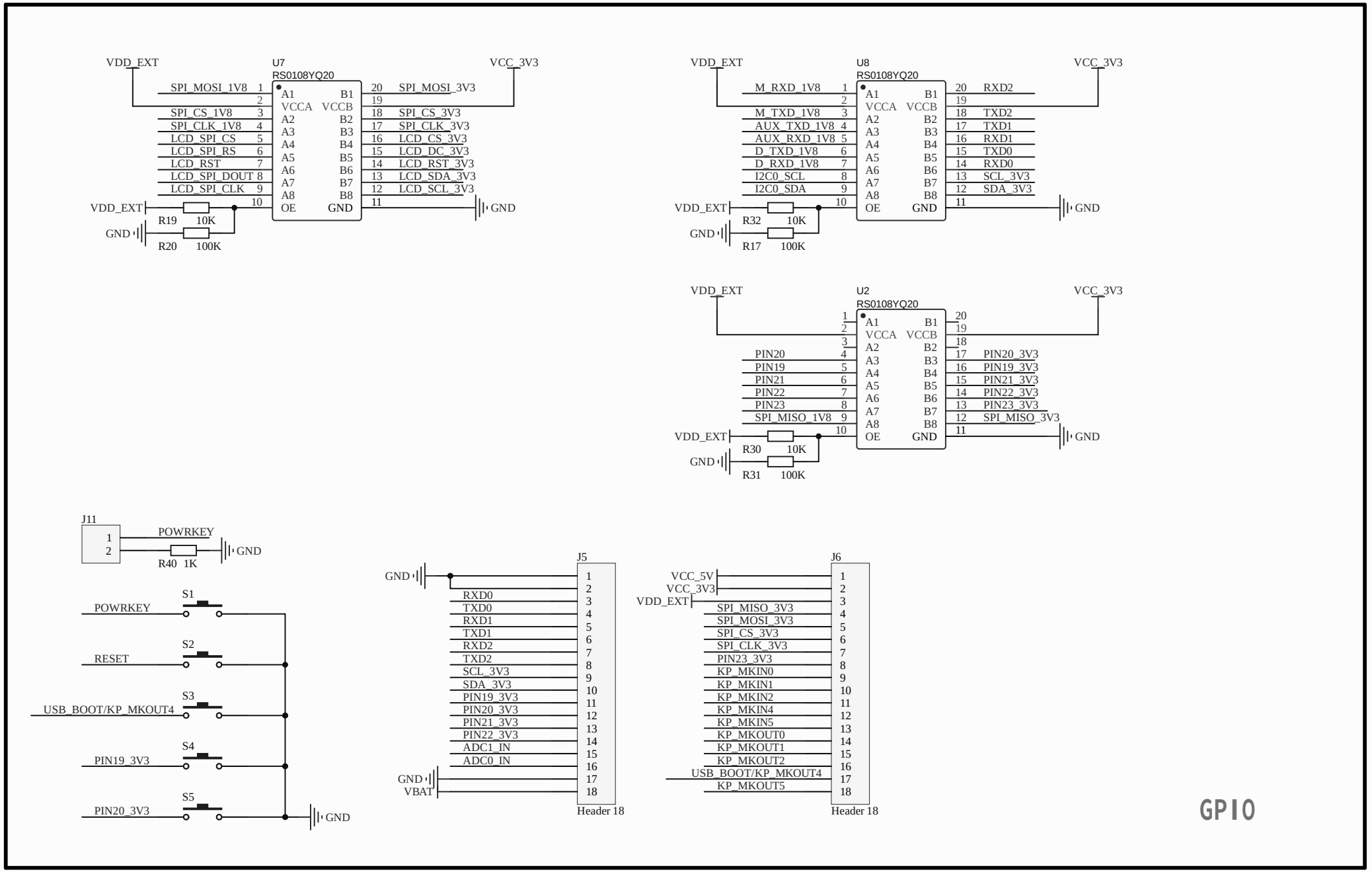
Title		
Size A3	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\6.GPIO+UART.SchDoc		Drawn By:

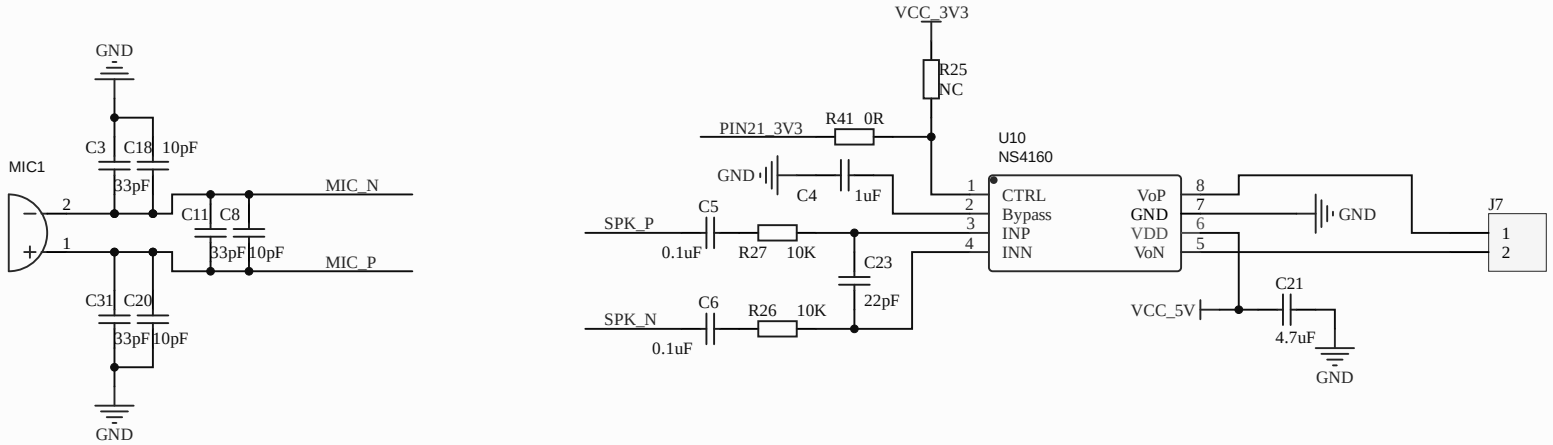


Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\7.LCM.SchDoc		Drawn By:


J2
VIN
GND
K1
VIN
VCC_5V
VBUS
USB
C9
0.1uF
U3
TPS563201DDCR
+3.8V
L1
2.2uH
WPN4020H2R2MT
GND
SW
VIN
VBST
EN
VFB
R7
10K
C7
22uF 25V
R10
40.2K
R11
10K
C13
0.1uF
D2
SMBJ6.5CA
C10
22uF 25V
C12
0.1uF
R8
4.7K
D5
DCDC
U6
BL9198-33BAPRN
VCC_3V3
C14
4.7uF
R9
10K
C15
4.7uF
U11
ME6212C18M5G
VCC_1V8
C19
4.7uF
R45
10K
C28
4.7uF
USBC1
USB3.1C16PFSMT
B1
A12
VBUS
CC2
DP2
DN2
SBU2
B12
A1
A9
A8
A7
A6
A5
A4
USB_DM
USB_DP
D4
D3
ESD9L5.0ST5G
type-C

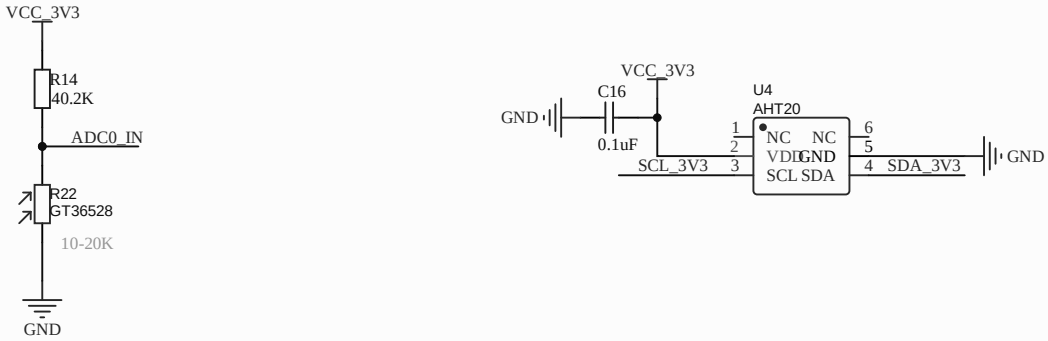
1
A
B
C
2
3
4


VDD_EXT
U7
RS0108YQ20
VCC_3V3
SPI_MOSI_1V8
SPI_CS_1V8
SPI_CLK_1V8
LCD_SPI_CS
LCD_SPI_RS
LCD_RST
LCD_SPI_DOUT
LCD_SPI_CLK
A1
VCCA
A2
A3
A4
A5
A6
A7
A8
OE
B1
VCCB
B2
B3
B4
B5
B6
B7
B8
GND
SPI_MOSI_3V3
SPI_CS_3V3
SPI_CLK_3V3
LCD_CS_3V3
LCD_DC_3V3
LCD_RST_3V3
LCD_SDA_3V3
LCD_SCL_3V3
R19 10K
R20 100K
U8
M_RXD_1V8
M_TXD_1V8
AUX_TXD_1V8
AUX_RXD_1V8
D_TXD_1V8
D_RXD_1V8
I2C0_SCL
I2C0_SDA
RXD2
TXD2
TXD1
RXD1
TXD0
RXD0
SCL_3V3
SDA_3V3
R32 10K
R17 100K
U2
PIN20
PIN19
PIN21
PIN22
PIN23
SPI_MISO_1V8
PIN20_3V3
PIN19_3V3
PIN21_3V3
PIN22_3V3
PIN23_3V3
SPI_MISO_3V3
R30 10K
R31 100K
J11
POWRKEY
R40 1K
S1
S2
RESET
S3
USB_BOOT/KP_MKOUT4
S4
PIN19_3V3
S5
PIN20_3V3
J5
VBAT
ADC1_IN
ADC0_IN
Header 18
J6
VCC_5V
KP_MKIN0
KP_MKIN1
KP_MKIN2
KP_MKIN4
KP_MKIN5
KP_MKOUT0
KP_MKOUT1
KP_MKOUT2
KP_MKOUT5
GPIO

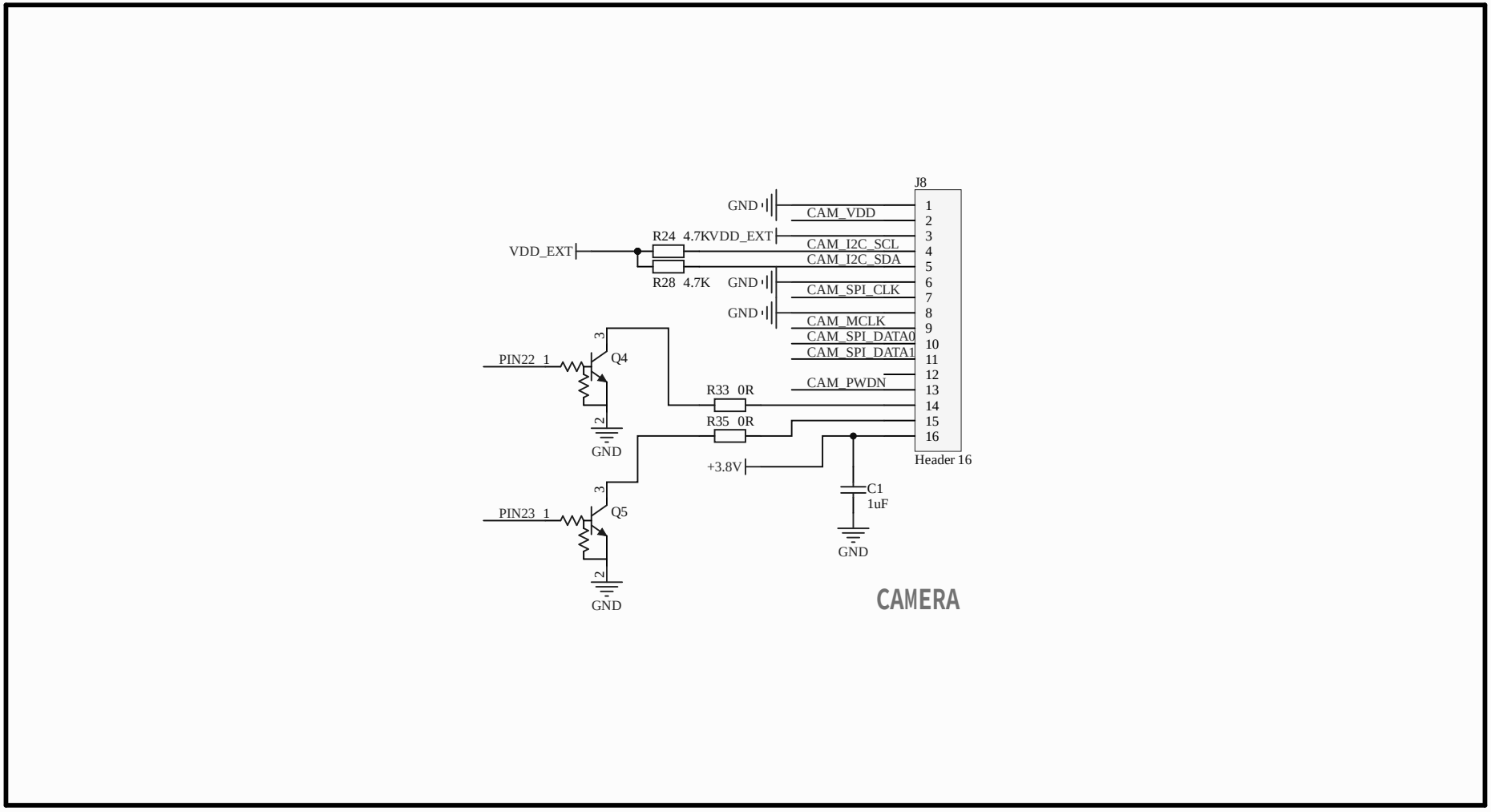

GND
C3
C18
10pF
33pF
MIC1
2
1
C11
C8
33pF
10pF
MIC_N
MIC_P
C31
C20
33pF
10pF
GND
VCC_3V3
R25
NC
PIN21_3V3
R41
0R
U10
NS4160
GND
C4
1uF
SPK_P
C5
0.1uF
R27
10K
C23
22pF
SPK_N
C6
0.1uF
R26
10K
CTRL
Bypass
INP
INN
VoP
GND
VDD
VoN
GND
J7
1
2
VCC_5V
C21
4.7uF
GND

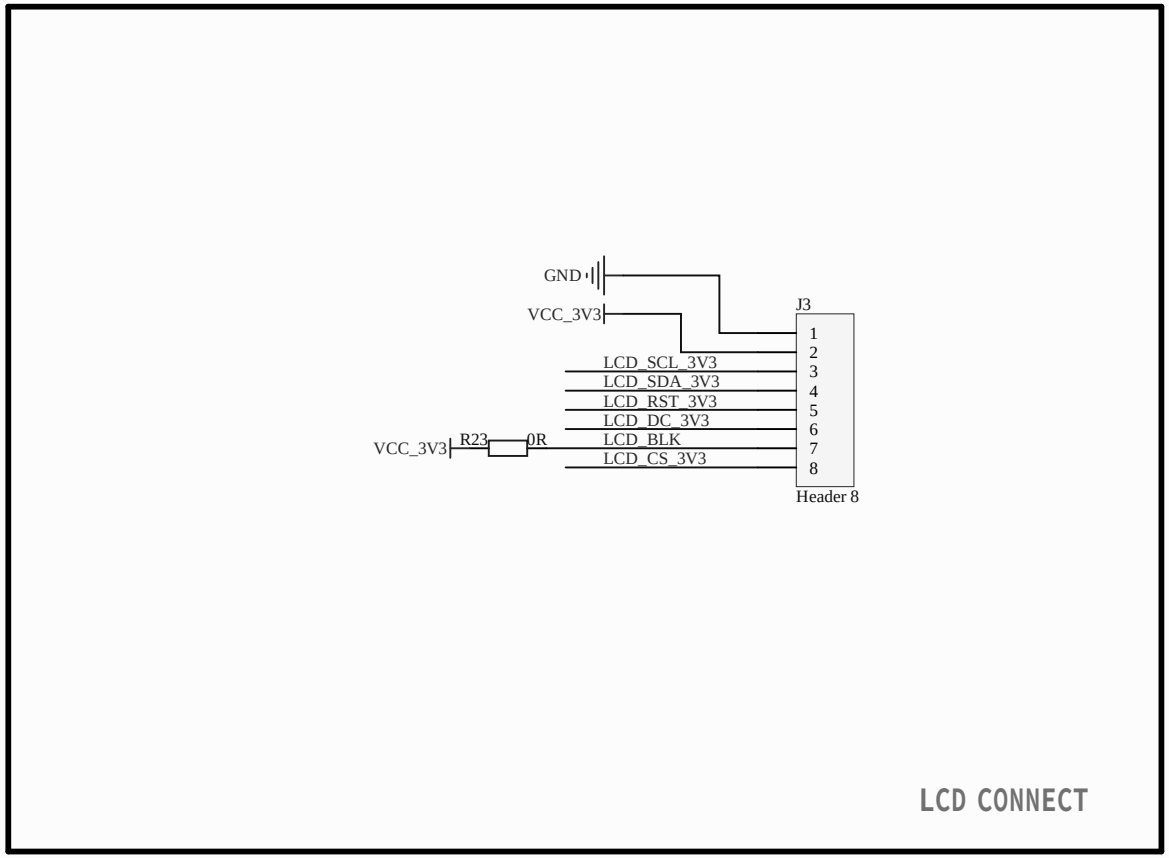
AUDIO

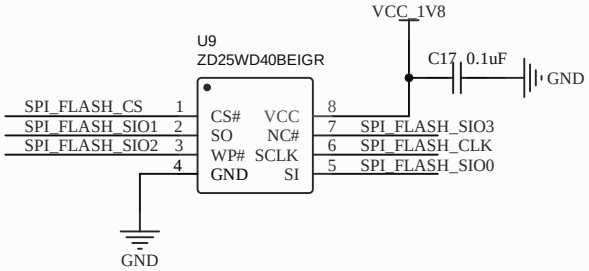
AUDIO


VCC_3V3
R14
40.2K
ADC0_IN
R22
GT36528
10-20K
GND
VCC_3V3
C16
0.1uF
GND
U4
AHT20
1
2
3
NC
VDD
SCL
NC
GND
SDA
6
5
4
SCL_3V3
SDA_3V3
GND

SENSOR


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