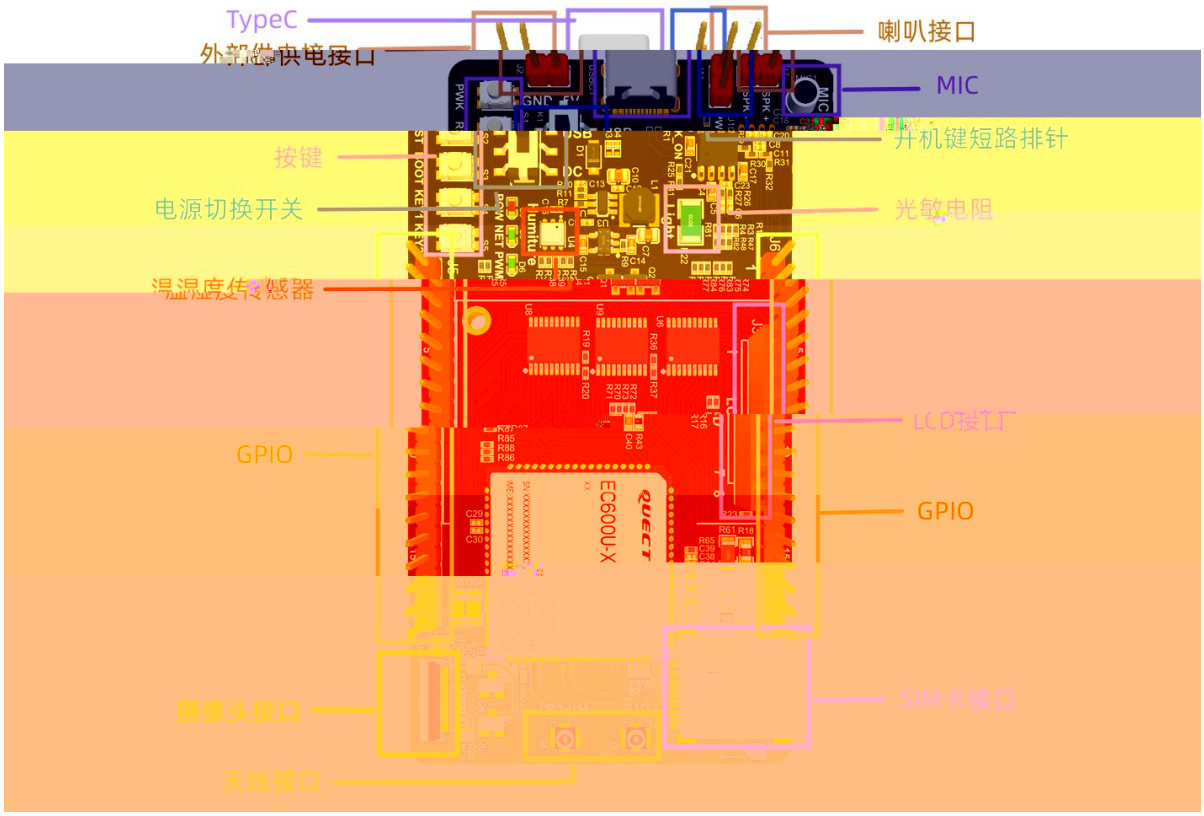
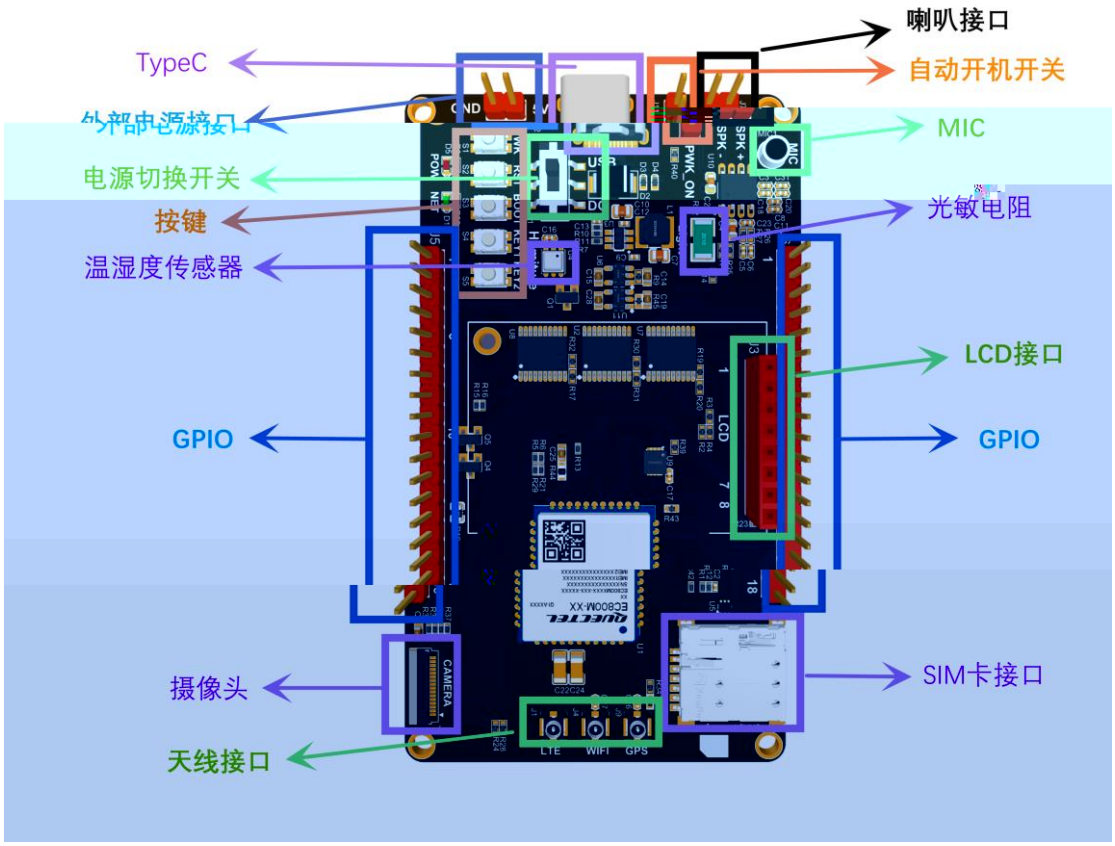
Quectel_EVB_EC600X、EC800X

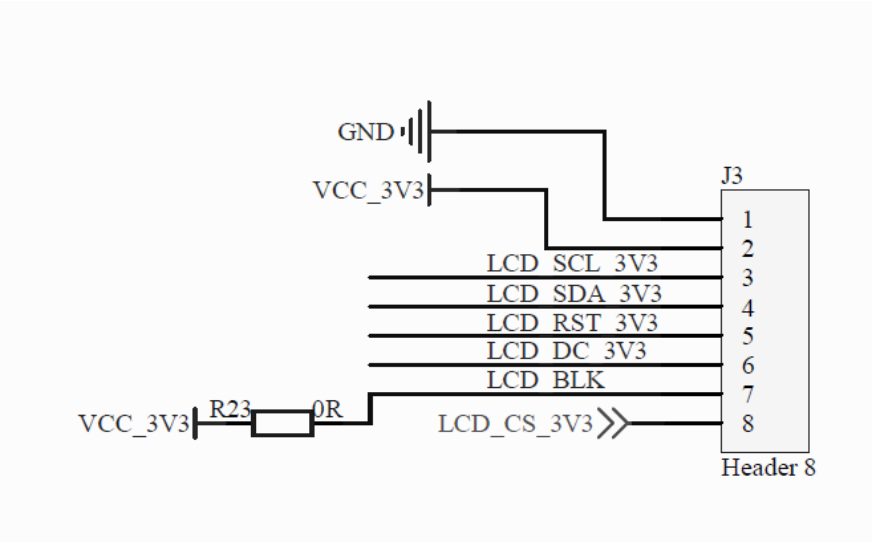
EVB 0X、E800X 3.2

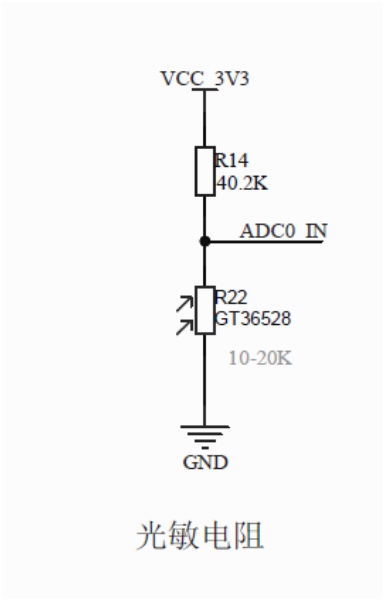
11 07

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

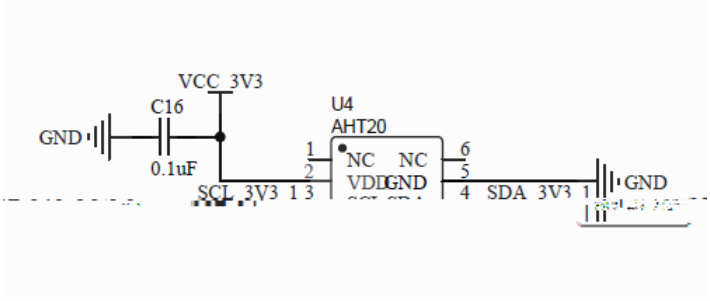

TypeC
外部供电接口
喇叭接口
MIC
开机键短路排针
按键
电源切换开关
光敏电阻
温湿度传感器
LCD接口
GPIO
GPIO
摄像头接口
SIM卡接口
天线接口
EC600U-X

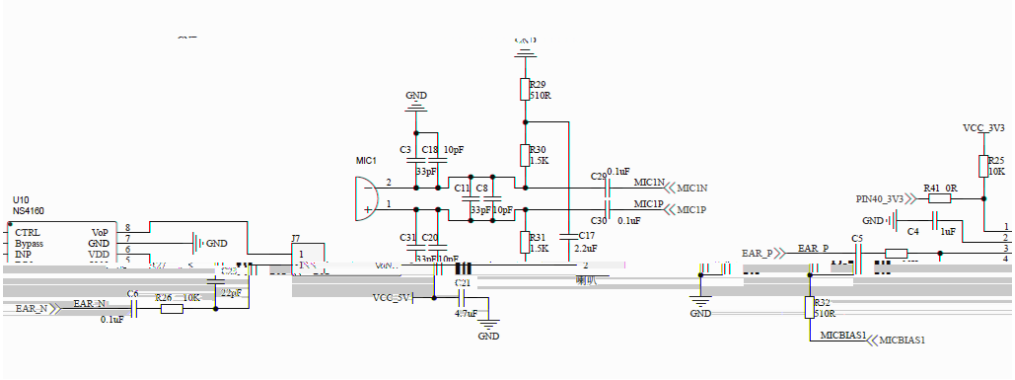

喇叭接口
TypeC
自动开机开关
外部电源接口
MIC
电源切换开关
光敏电阻
按键
温湿度传感器
LCD接口
GPIO
GPIO
摄像头
SIM卡接口
天线接口

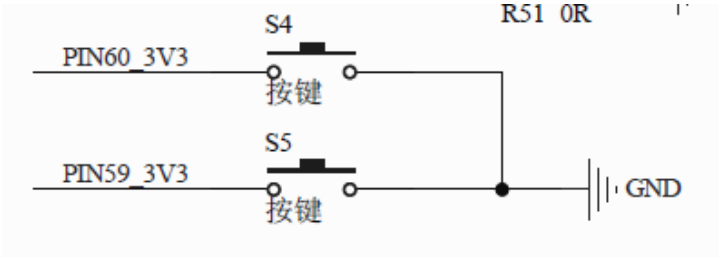

GND
VCC_3V3
J3
1
2
3
4
5
6
7
8
LCD_SCL_3V3
LCD_SDA_3V3
LCD_RST_3V3
LCD_DC_3V3
LCD_BLK
LCD_CS_3V3
VCC_3V3
R23
0R
Header 8


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

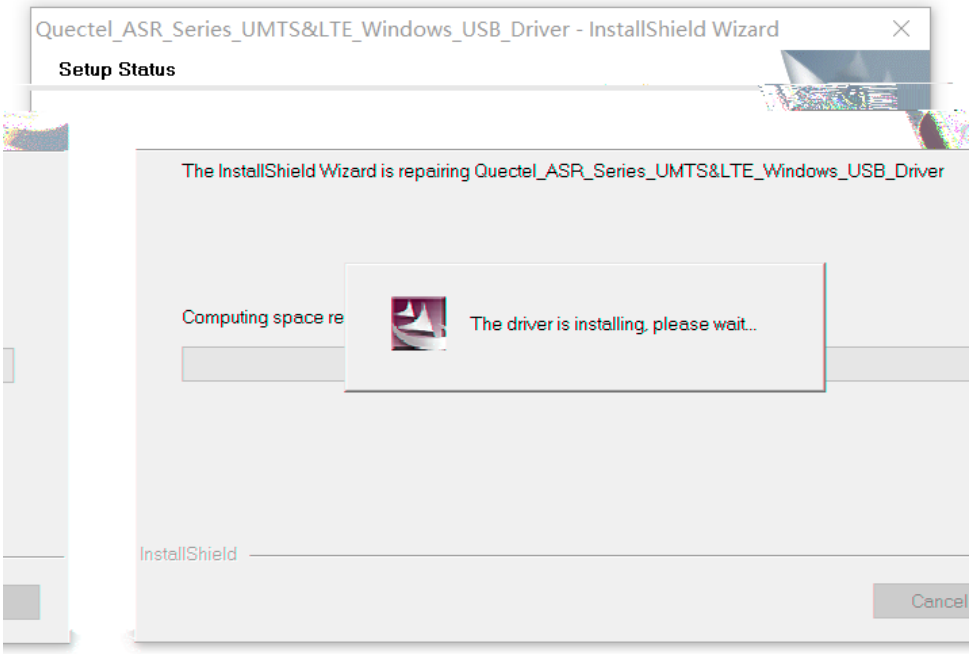
光敏电阻


VCC_3V3
C16
GND
0.1uF
U4
AHT20
NC
NC
VDD
GND
SDA
3V3
GND

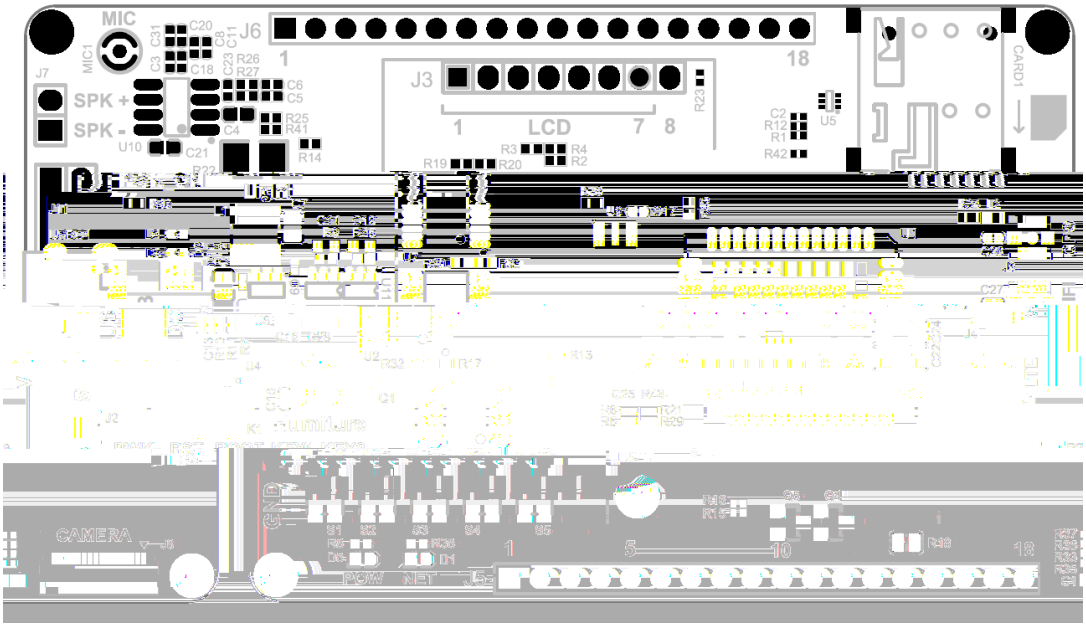

U10
NS4160
CTRL
Bypass
INP
VoP
GND
VDD
GND
J7
EAR_N
C6
0.1uF
R26
10K
22pF
MIC1
C3
33pF
C18
10pF
C11
33pF
C8
10pF
R29
510R
R30
1.5K
R31
1.5K
C20
0.1uF
C30
0.1uF
C17
2.2uF
MIC1N
MIC1P
C31
C20
C21
4.7uF
VCC_3V3
GND
EAR_P
C5
C4
1uF
R41 0R
PIN40_3V3
R25
10K
R32
510R
MICBIAS1

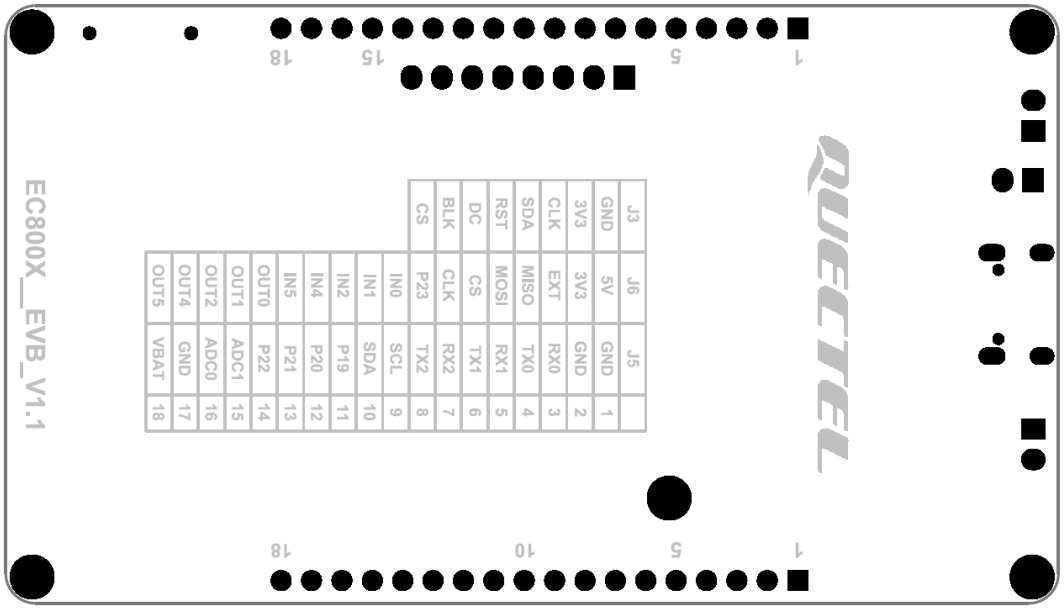

R51 0R
S4
PIN60_3V3
按键
S5
PIN59_3V3
按键
GND

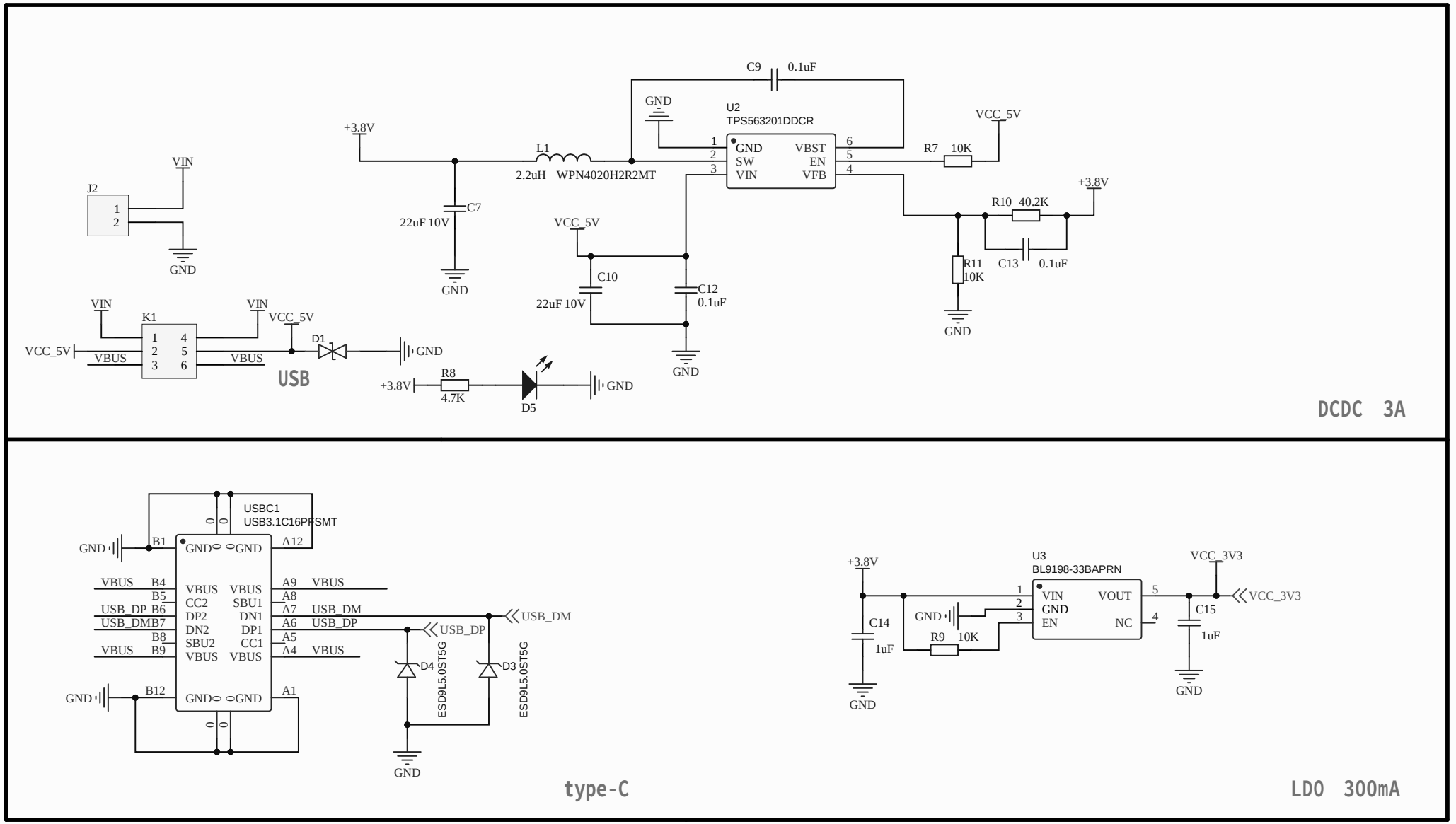
setup.exe


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

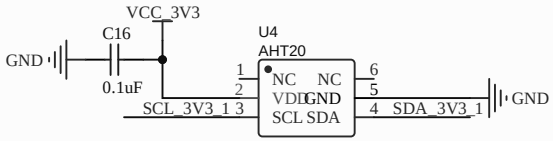
Quectel USB AT Port (COMx)
Quectel USB AP Log Port (COMx)
Quectel USB CP Log Port (COMx)
Quectel USB Diag Port (COMx)
Quectel USB MOS Port (COMx)
Quectel Modem (COMx)
Quectel USB Serial-1 Port (COMx)
Quectel USB Serial-2 Port (COMx)

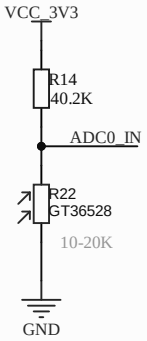

MIC
SPK +
SPK -
J6
J3
LCD
CAMERA


EC800X_EVB_V1.1
QUECTEL
J3 GND 3V3 CLK SDA RST DC BLK CS
J6 5V 3V3 EXT MISO MOSI CS CLK P23
J5 GND GND RX0 TX0 RX1 TX1 RX2 TX2
IN0 IN1 IN2 IN4 IN5 P21 P20 P19 SDA SCL
OUT0 OUT1 OUT2 OUT4 OUT5 P22 ADC1 ADC0 GND VBAT



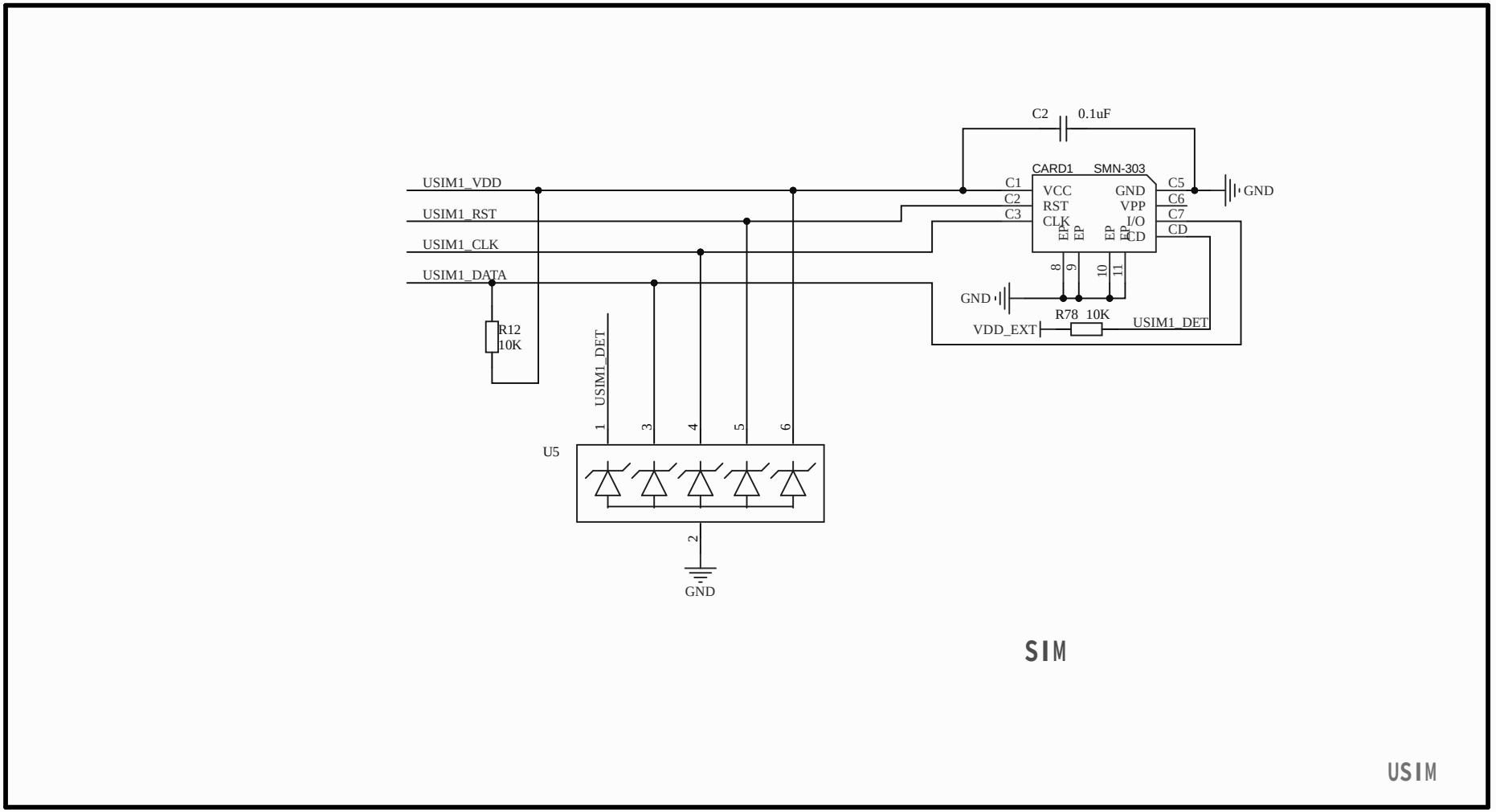
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\2.POWER.SchDoc		Drawn By:



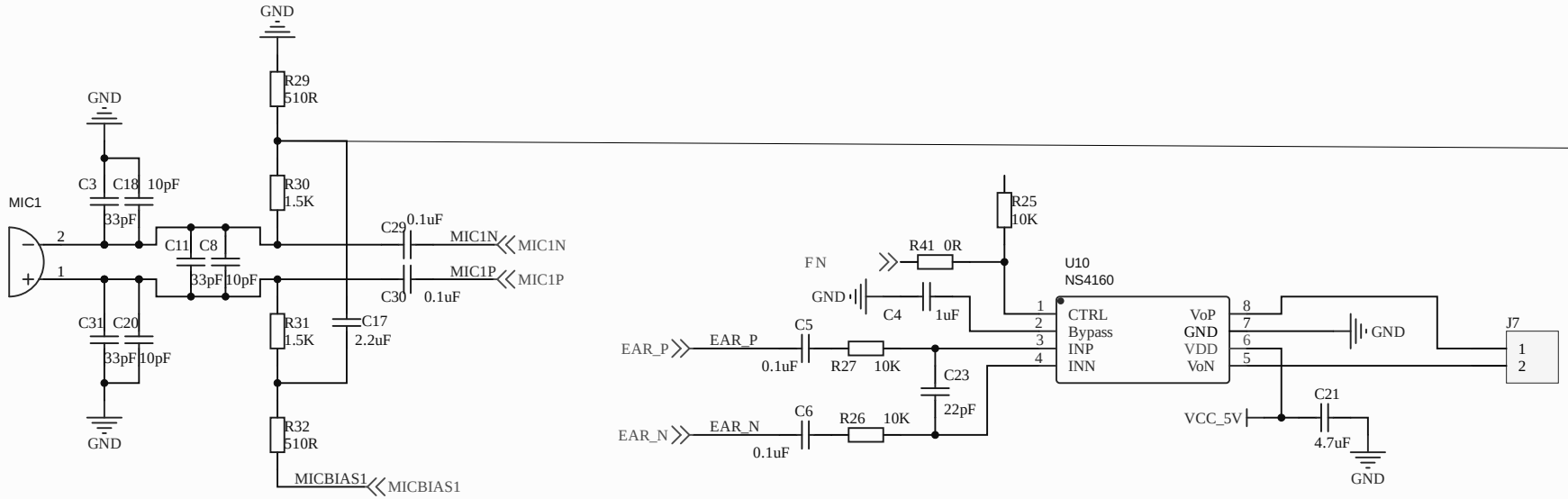


SENSOR

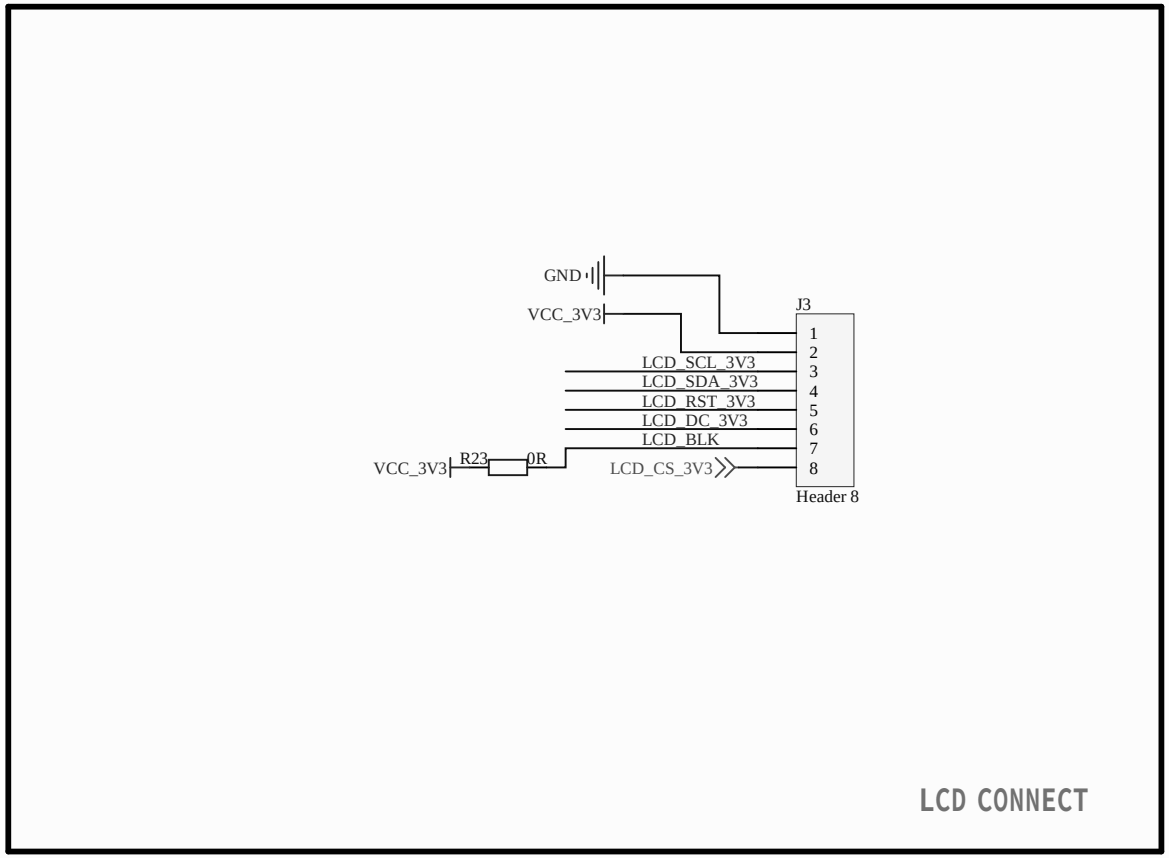
Title		
Size: A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\3.SENSOR+EEPROM.SchDoc		Drawn By:



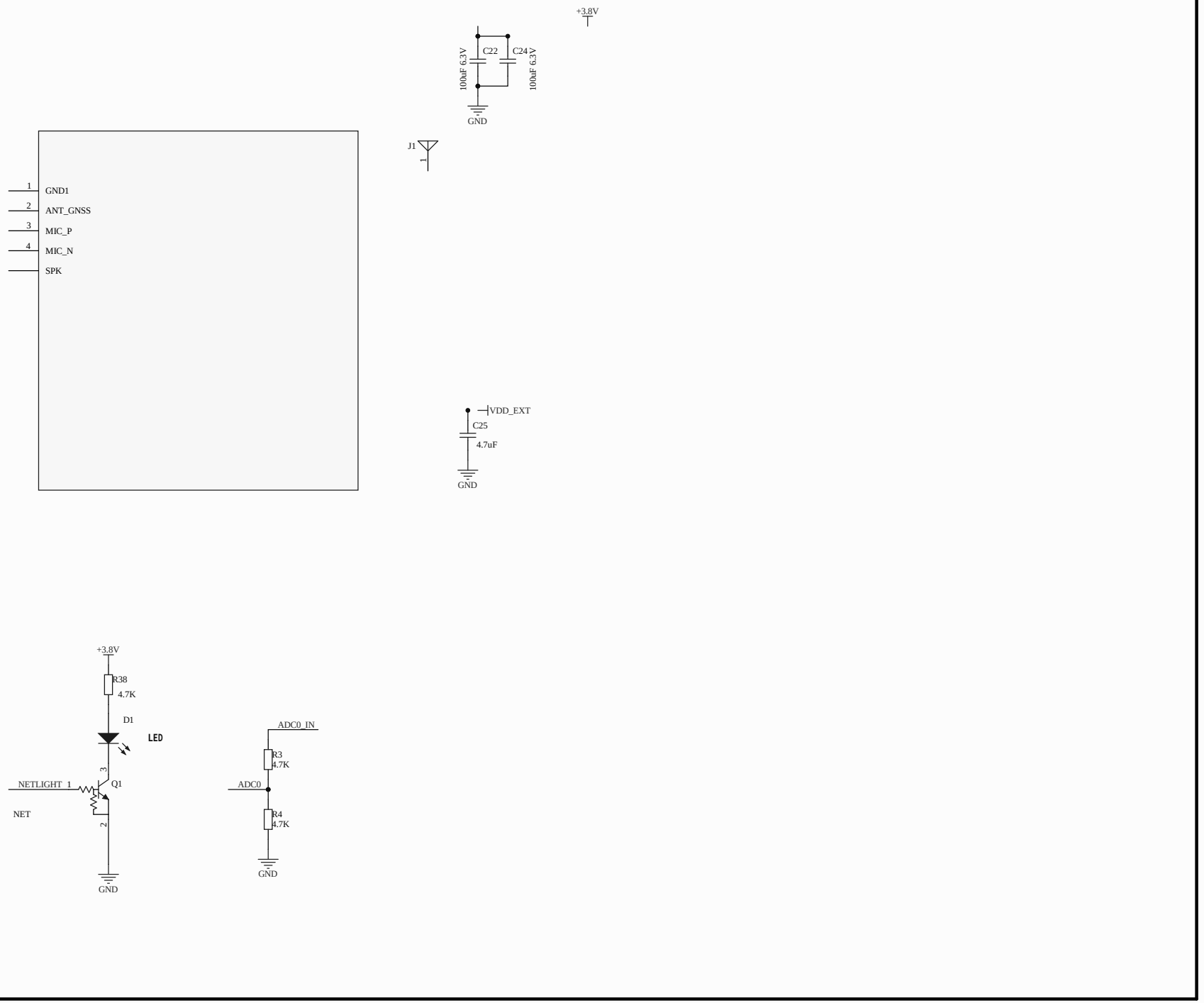
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\4.SIM-CARD.SchDoc		Drawn By:

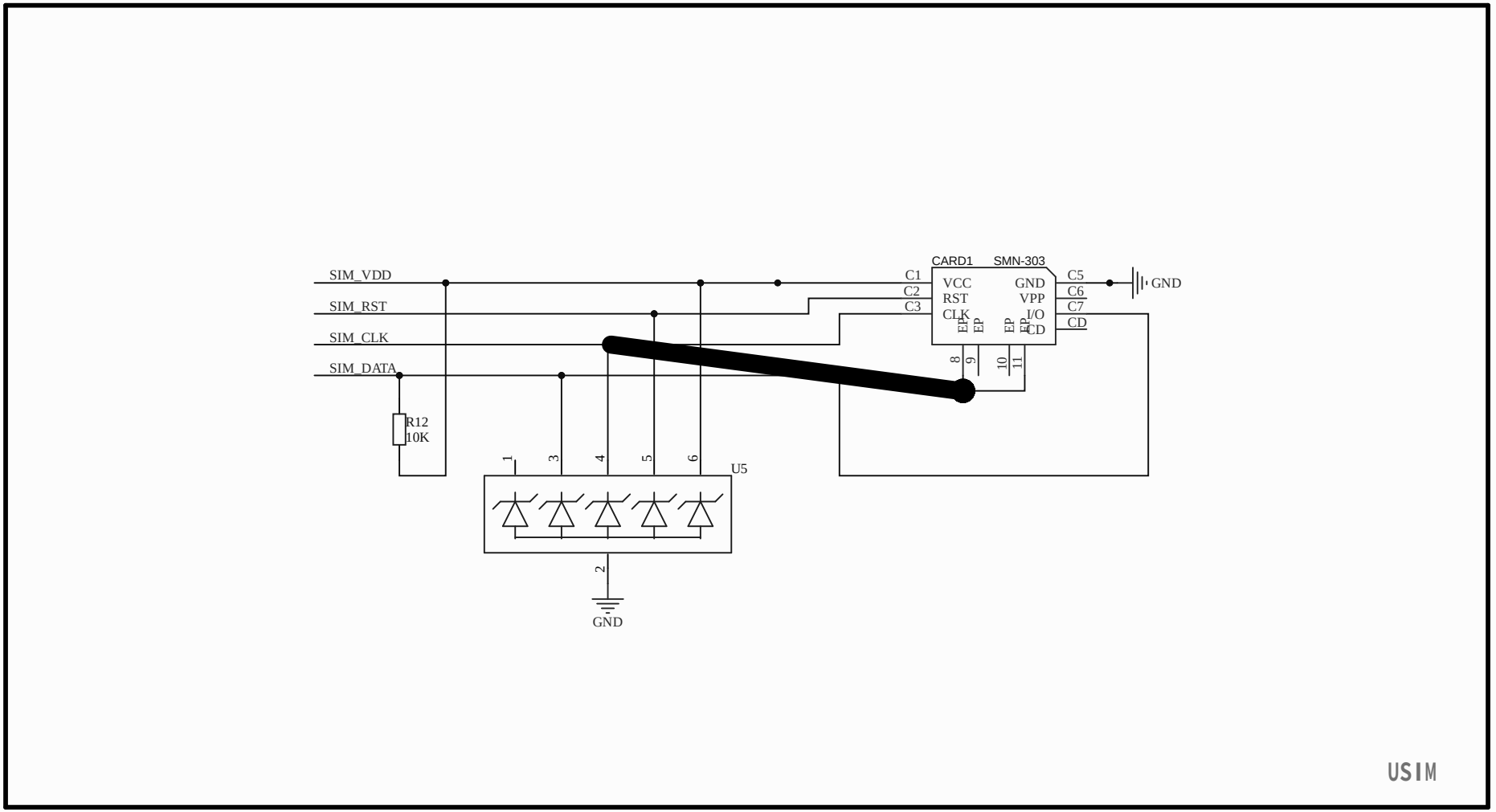


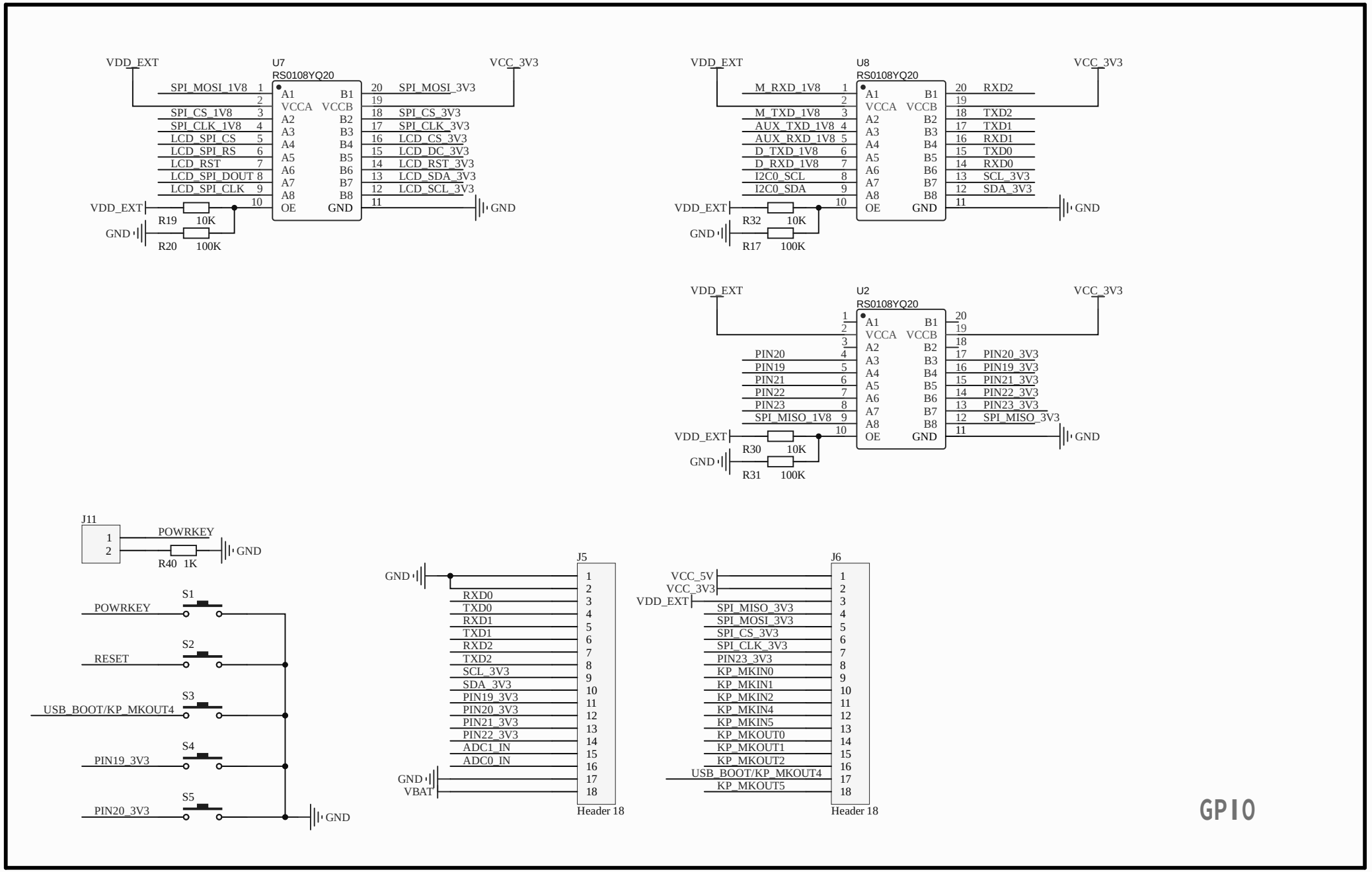
Title		
Size: A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\5.AUDIO.SchDoc		Drawn By:

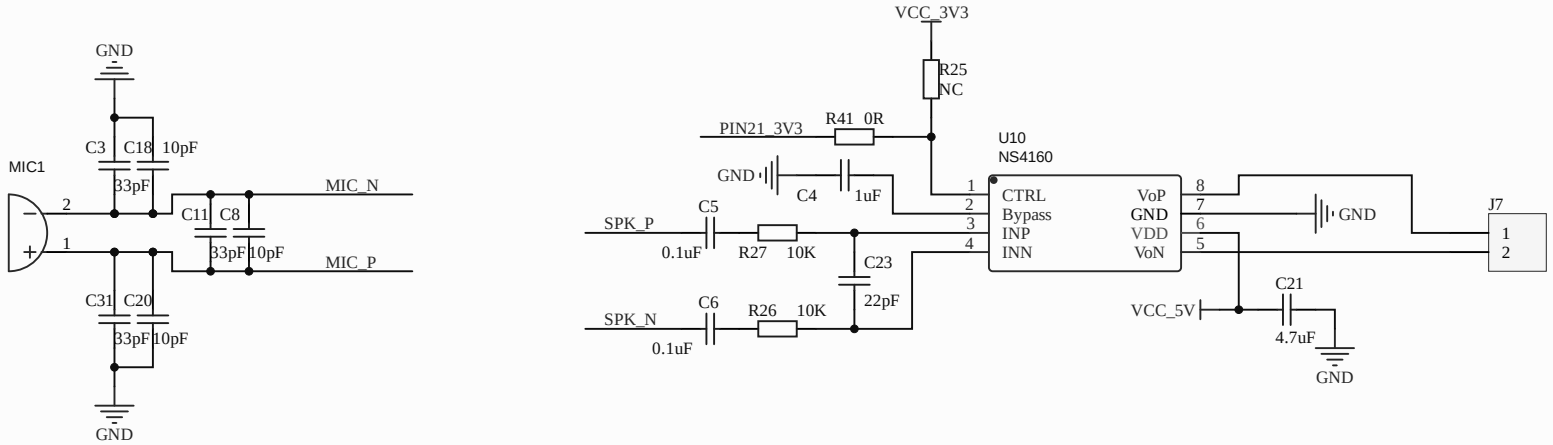


Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\7.LCM.SchDoc		Drawn By:


+3.8V
C22
C24
100uF 6.3V
100uF 6.3V
GND
J1
1
GND1
ANT_GNSS
MIC_P
MIC_N
SPK
VDD_EXT
C25
4.7uF
GND
+3.8V
R38
4.7K
D1
LED
NETLIGHT_1
Q1
NET
GND
ADC0_IN
R3
4.7K
ADC0
R4
4.7K
GND

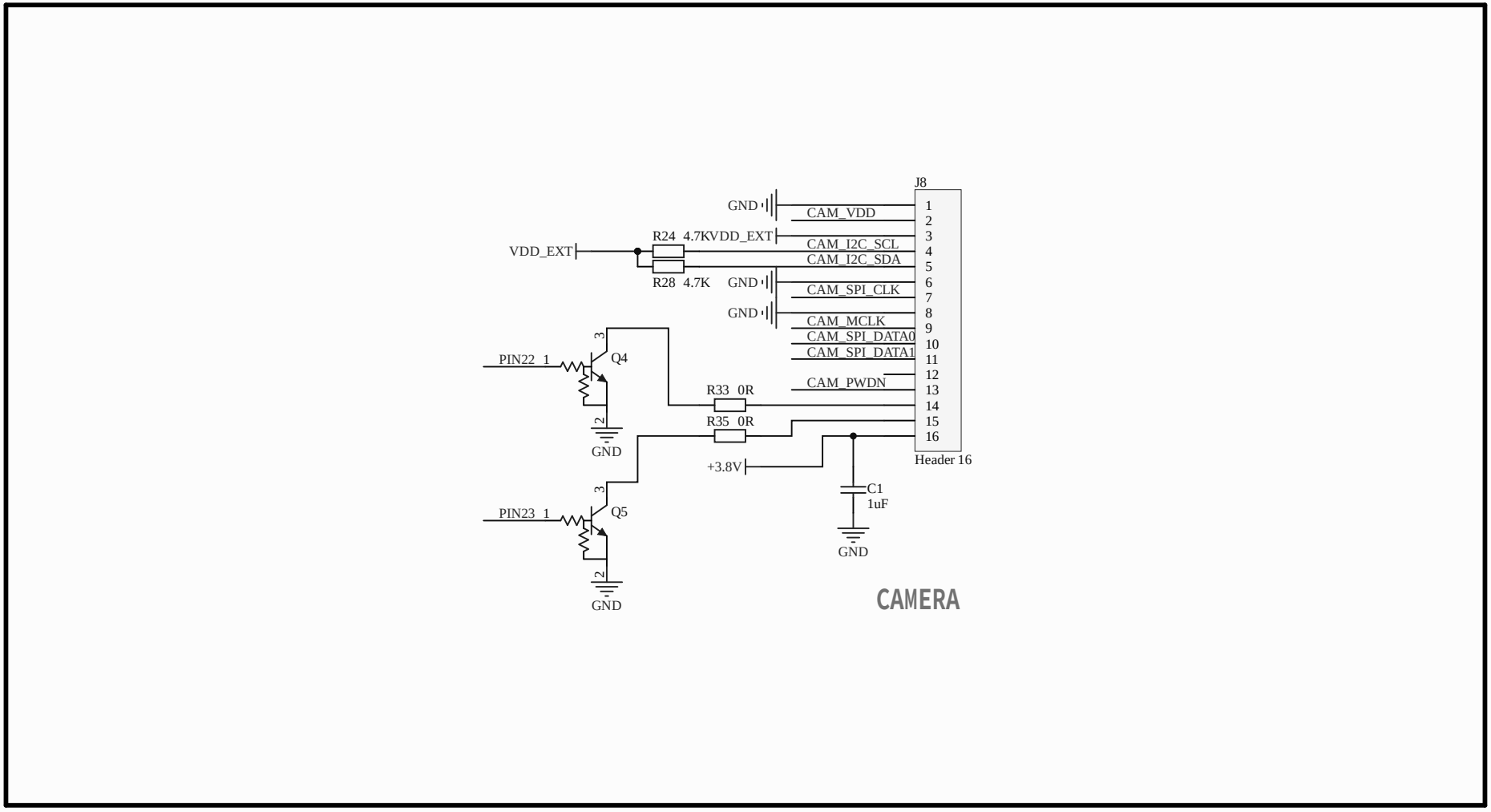

SIM_VDD
SIM_RST
SIM_CLK
SIM_DATA
R12
10K
U5
1
3
4
5
6
2
GND
CARD1
SMN-303
C1
C2
C3
VCC
RST
CLK
GND
VPP
I/O
CD
C5
C6
C7
EP
8
9
10
11
GND
USIM

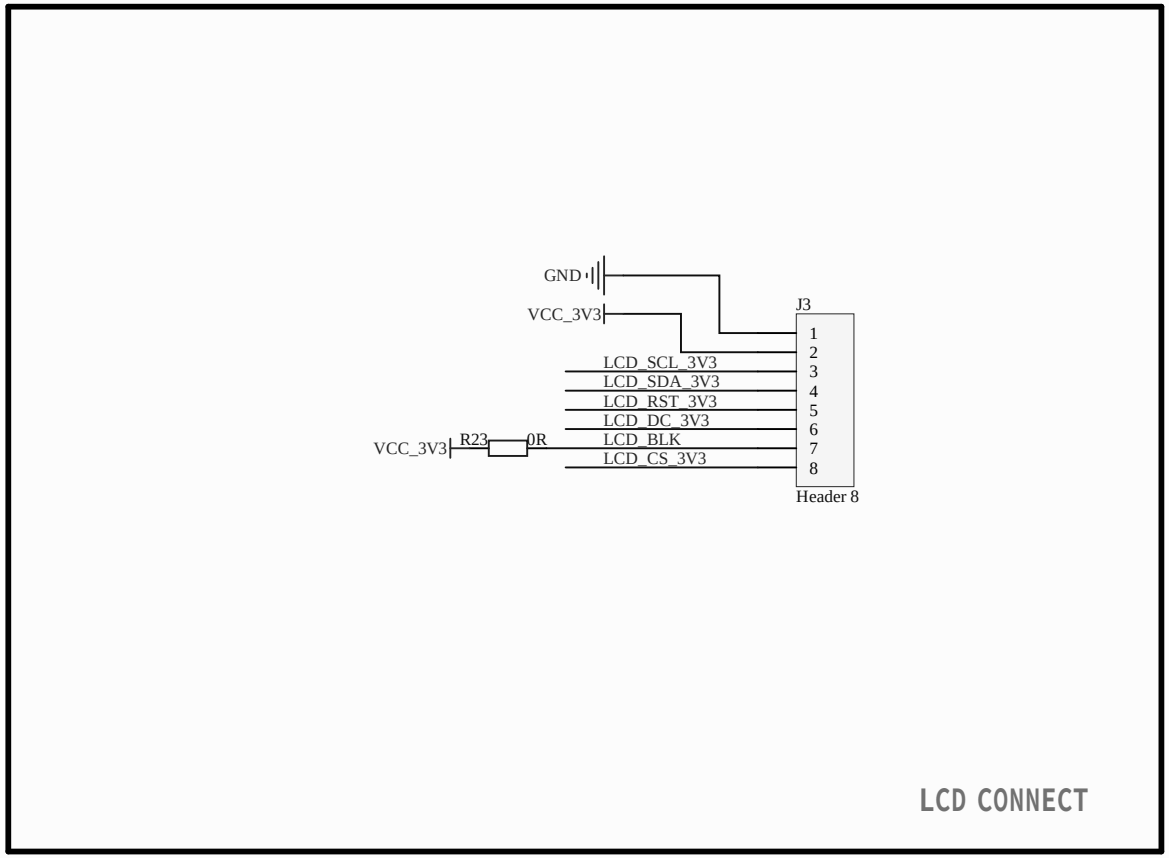

VDD_EXT
U7
RS0108YQ20
VCC_3V3
SPI_MOSI_1V8
SPI_CS_1V8
SPI_CLK_1V8
LCD_SPI_CS
LCD_SPI_RS
LCD_RST
LCD_SPI_DOUT
LCD_SPI_CLK
A1
VCCA
A2
A3
A4
A5
A6
A7
A8
OE
B1
VCCB
B2
B3
B4
B5
B6
B7
B8
GND
SPI_MOSI_3V3
SPI_CS_3V3
SPI_CLK_3V3
LCD_CS_3V3
LCD_DC_3V3
LCD_RST_3V3
LCD_SDA_3V3
LCD_SCL_3V3
R19 10K
R20 100K
U8
M_RXD_1V8
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

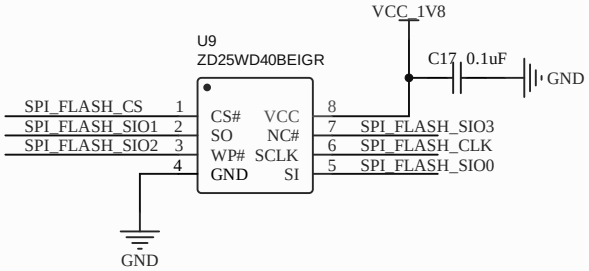

GND
C3
C18
10pF
33pF
MIC1
2
1
C11
C8
33pF
10pF
MIC_N
MIC_P
C31
C20
33pF
10pF
GND
VCC_3V3
R25
NC
PIN21_3V3
R41
0R
U10
NS4160
GND
C4
1uF
SPK_P
C5
0.1uF
R27
10K
C23
22pF
SPK_N
C6
0.1uF
R26
10K
CTRL
Bypass
INP
INN
VoP
GND
VDD
VoN
GND
J7
1
2
VCC_5V
C21
4.7uF
GND

AUDIO

AUDIO


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