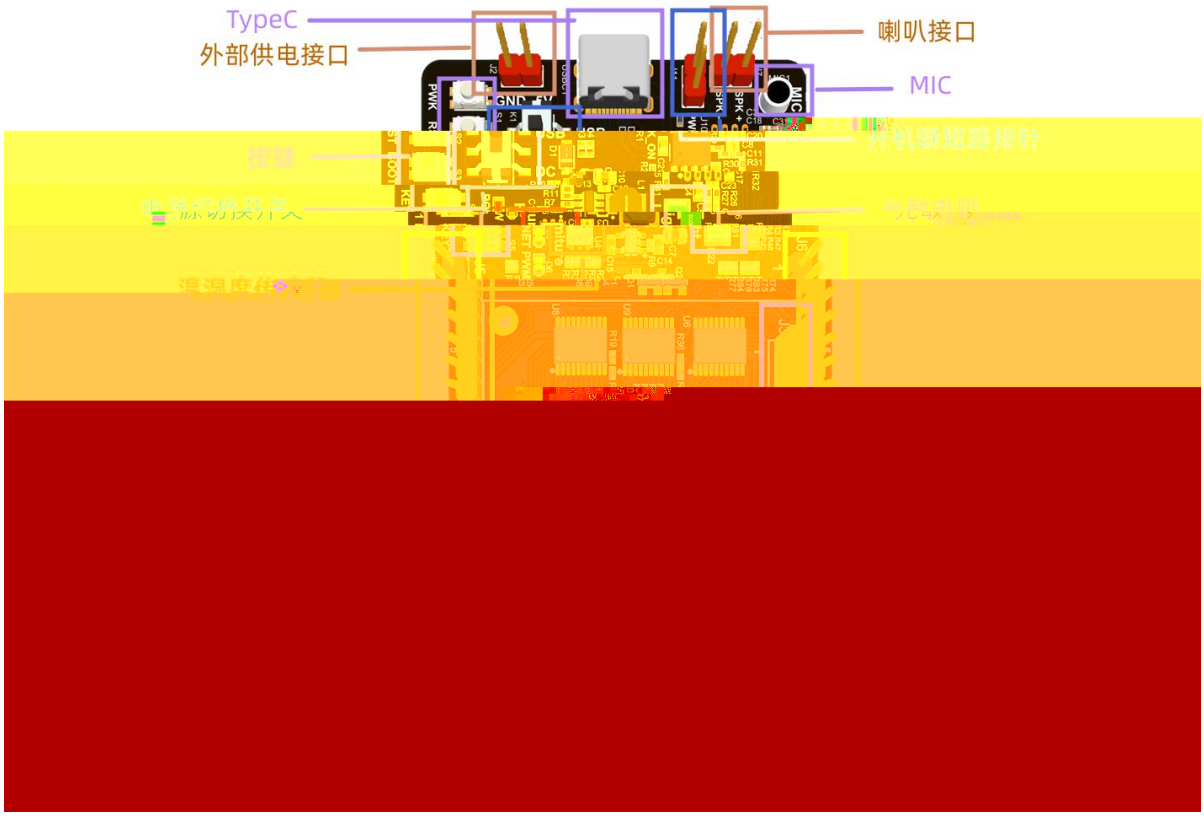
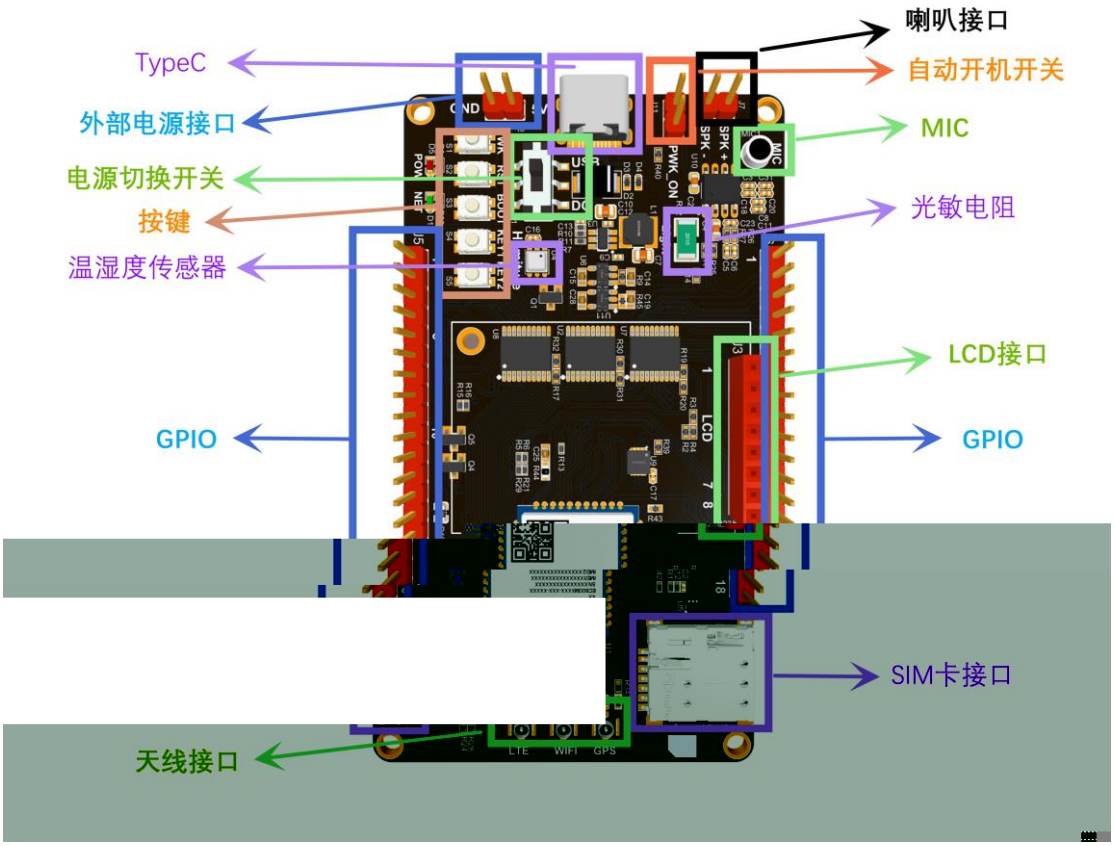
EVB_EC600X、EC800X

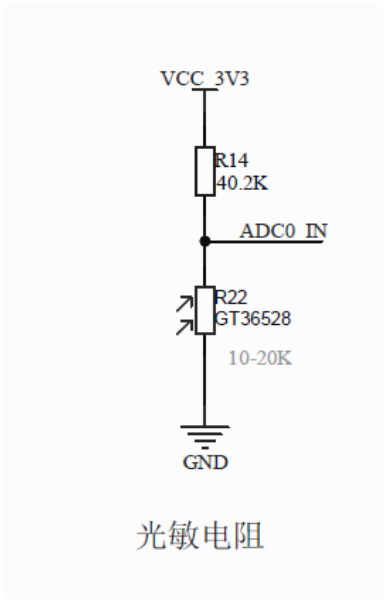
EVB 0X、E800X 3.2

11 07

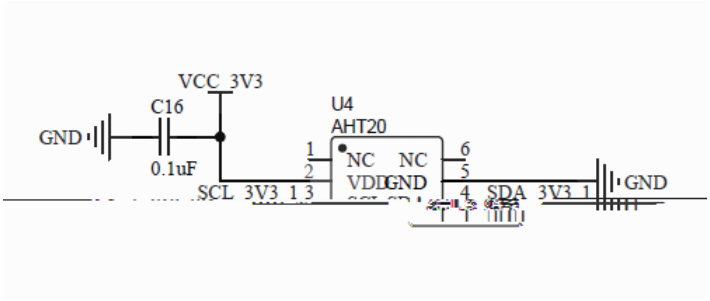
EC600X— EC600 EC600N EC600U EC600M
EC800X— EC800 EC800M EC800E
EVB—
V3.X--

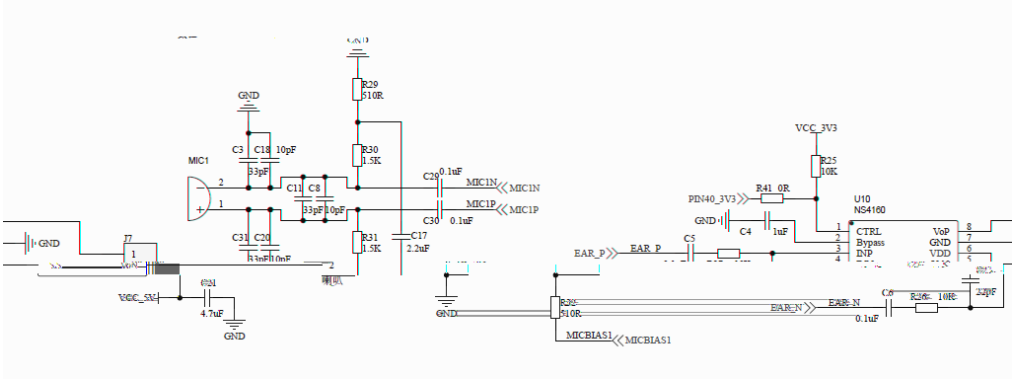

TypeC
外部供电接口
喇叭接口
MIC


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
SIM卡接口
天线接口

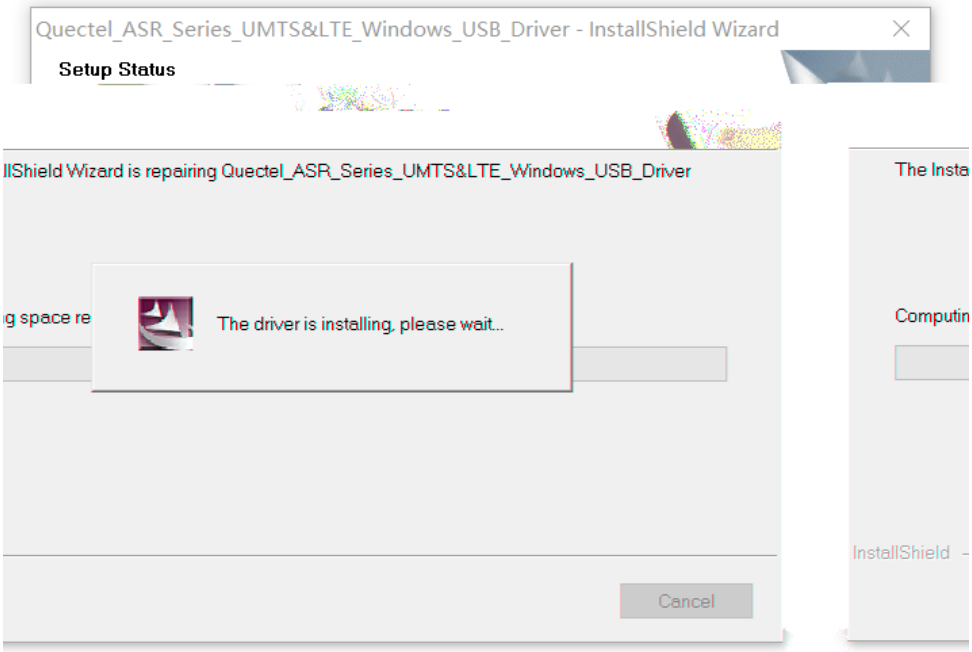

VCC_3V3
R14
40.2K
ADC0_IN
R22
GT36528
10-20K
GND

光敏电阻

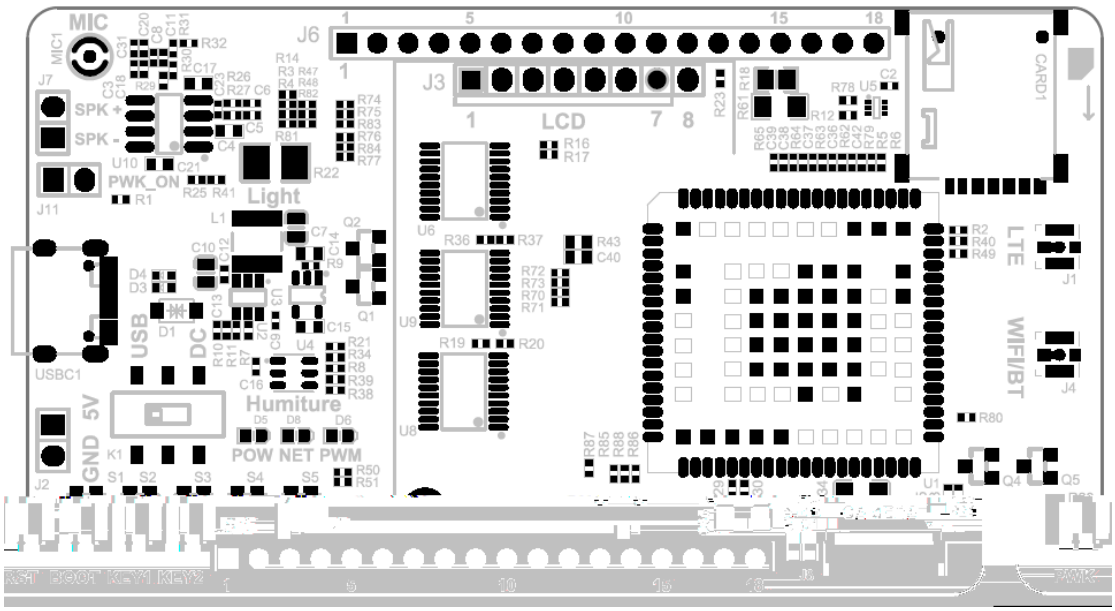

VCC_3V3
C16
GND
0.1uF
U4
AHT20
NC
NC
VDD
GND
SCL
SDA
GND

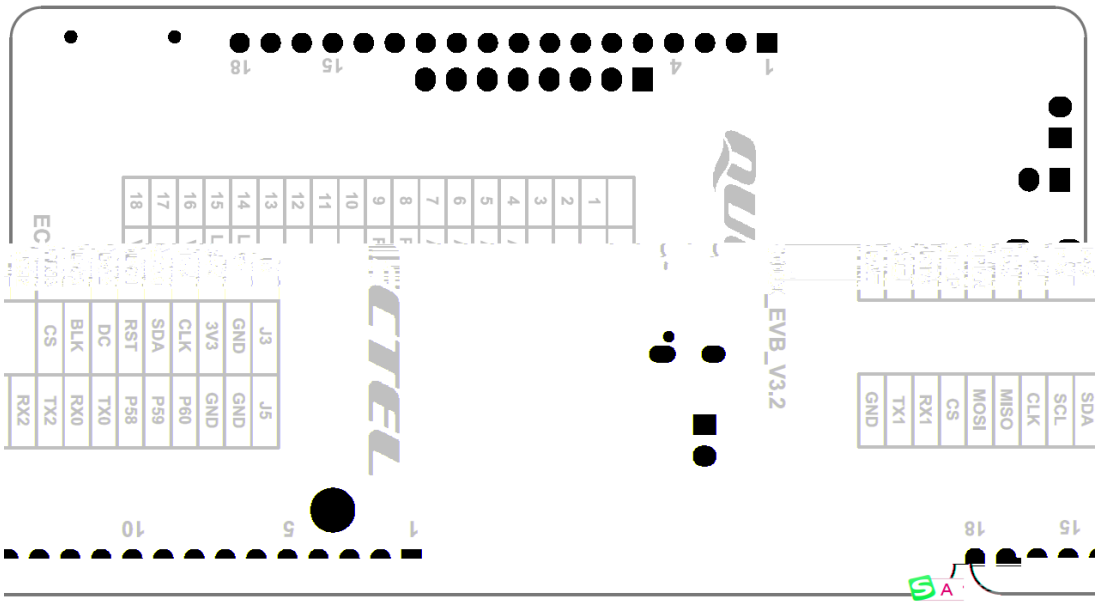

R29
510R
GND
C3
10pF
C18
33pF
MIC1
C11
33pF
C8
10pF
R30
1.5K
C29
0.1uF
MIC1N
MIC1P
C31
33pF
C20
10pF
R31
1.5K
C30
0.1uF
C17
2.2uF
J7
GND
VCC_3V3
R25
10K
R41 0R
PIN40_3V3
GND
C4
1uF
U10
NS4160
CTRL
Bypass
DVP
VoP
GND
VDD
EAR_P
C5
EAR_N
C6
0.1uF
R26
10R
MICBIAS1
C21
4.7uF

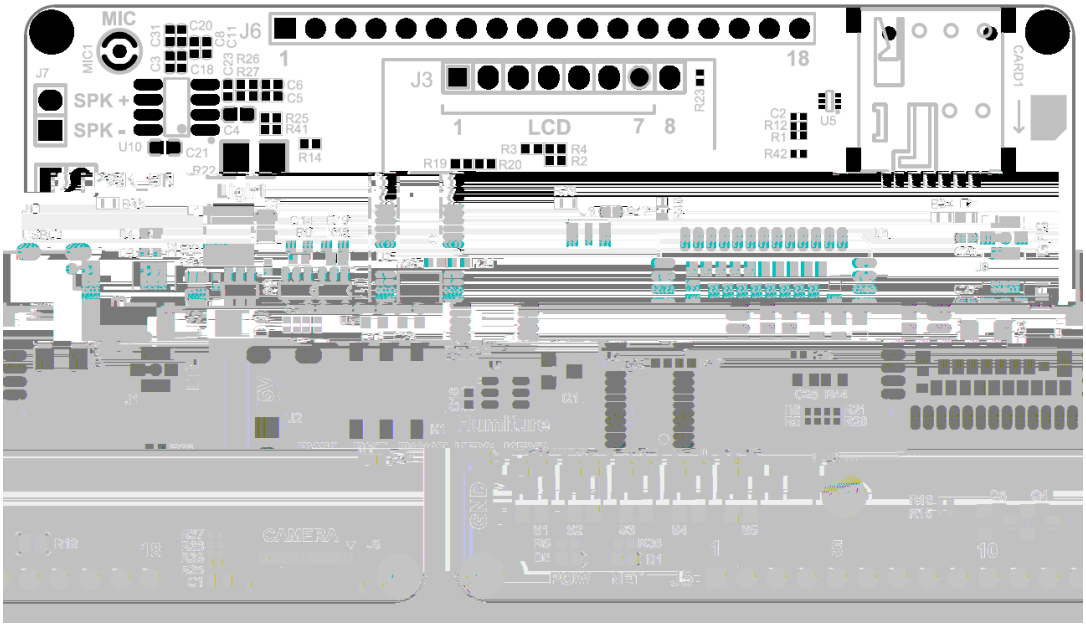
setup.exe

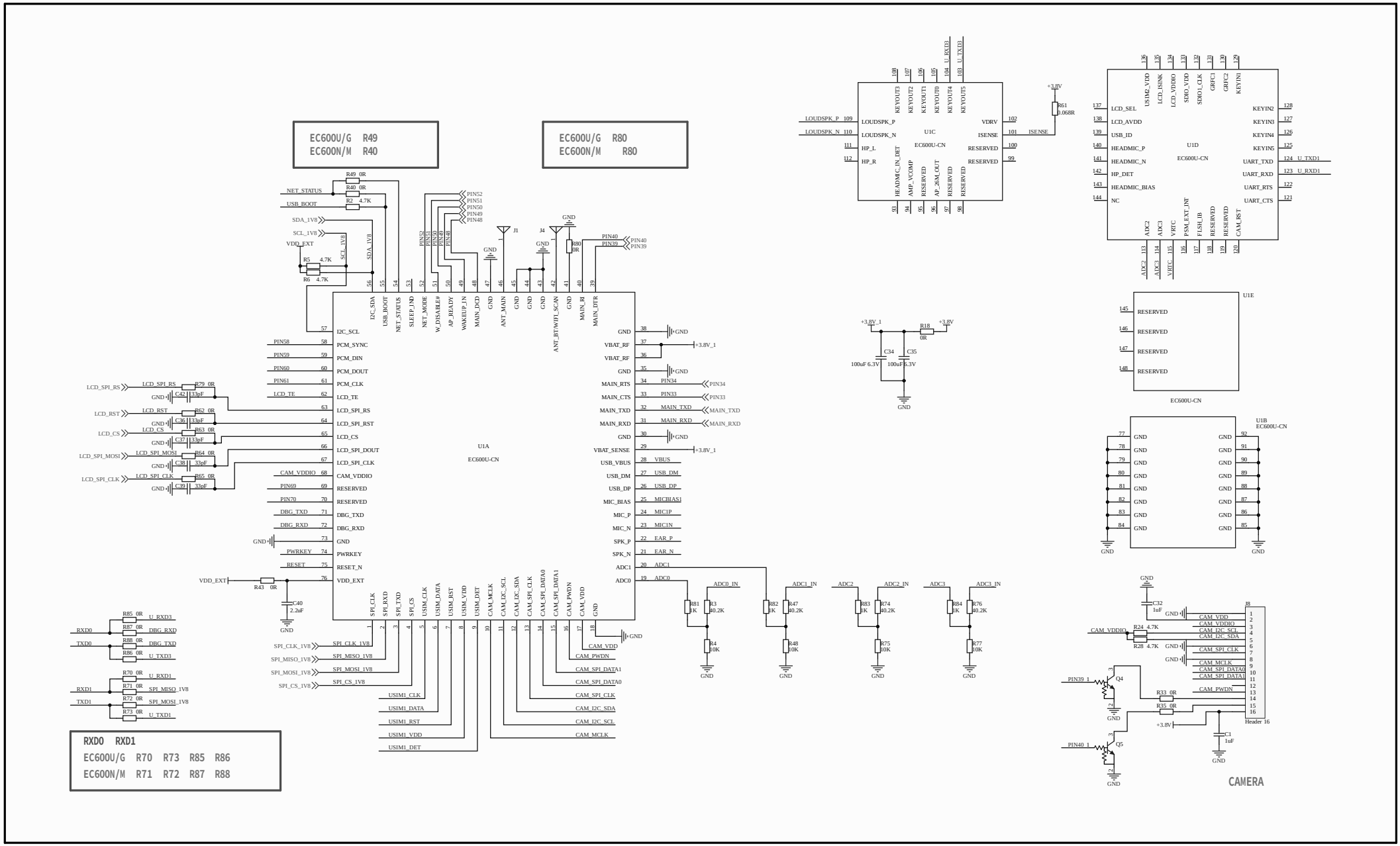

Quectel_ASR_Series_UMTS&LTE_Windows_USB_Driver - InstallShield Wizard
Setup Status
llShield Wizard is repairing Quectel_ASR_Series_UMTS&LTE_Windows_USB_Driver
The driver is installing, please wait...
Cancel
The Insta
Computin
InstallShield

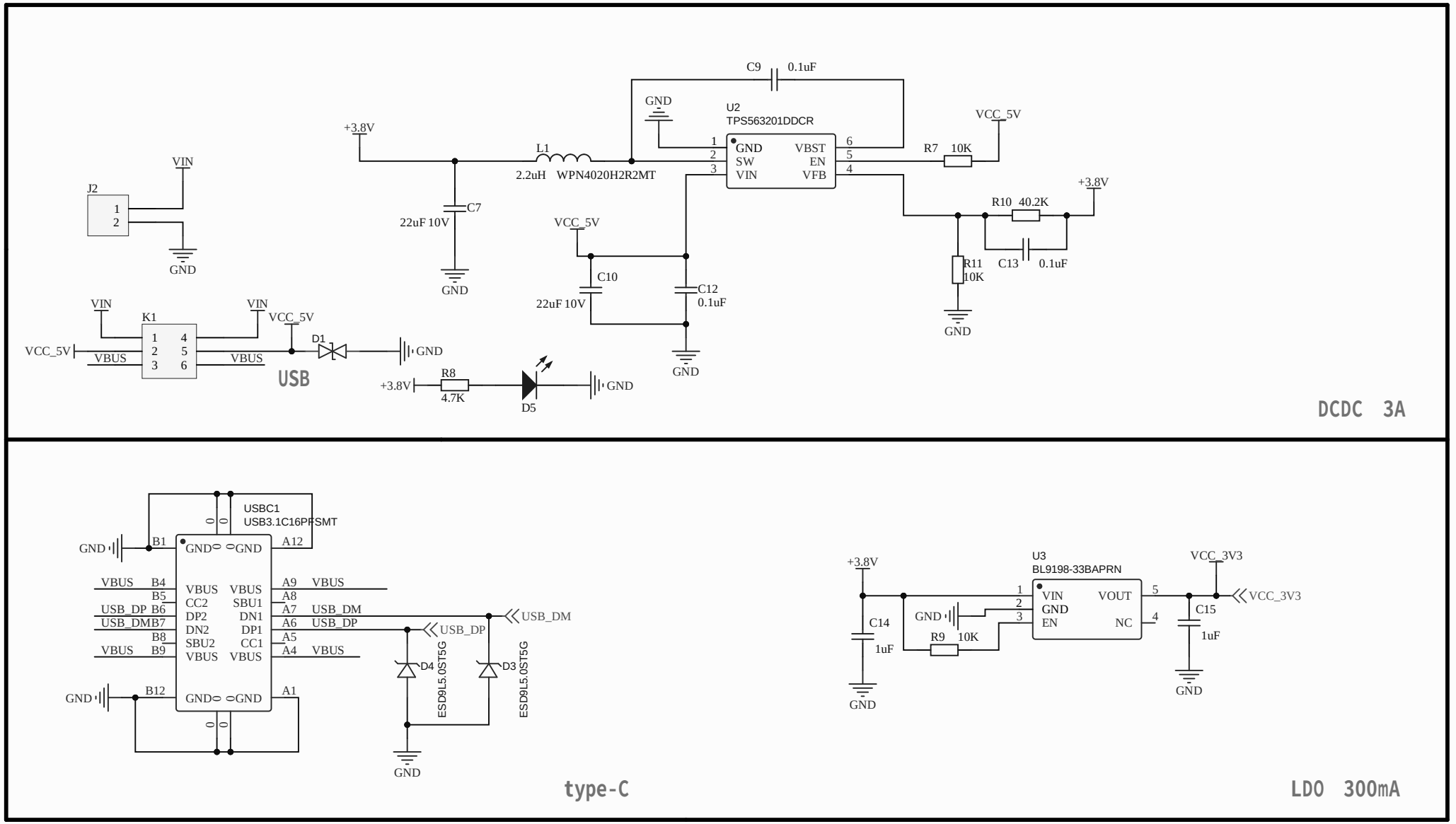
Quectel USB AT Port (COMx)
Quectel USB AP Log Port (COMx)
Quectel USB CP Log Port (COMx)
Quectel USB Diag Port (COMx)
Quectel USB MOS Port (COMx)
Quectel Modem (COMx)
Quectel USB Serial-1 Port (COMx)
Quectel USB Serial-2 Port (COMx)


MIC
SPK
SPK
PWK_ON
Light
USB
DC
5V
GND
Humiture
POW NET PWM
J6
J3
LCD
CARD1
LTE
WIFI/BT
USBC1
RST BOOT KEY1 KEY2
PWR

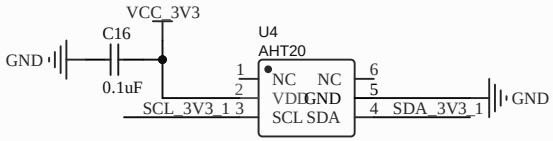

CS
BLK
DC
RST
SDA
CLK
3V3
GND
J3
RX2
TX2
RX0
TX0
P58
P59
P60
GND
GND
J5
GND
TX1
RX1
CS
MOSI
MISO
CLK
SCL
SDA
_EVB_V3.2

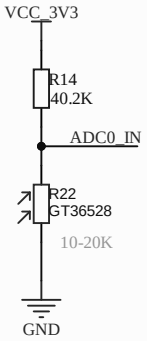

MIC
SPK +
SPK -
J6
J3
LCD
CAMERA
CARD1


EC600U/G R49
EC600N/M R40
EC600U/G R80
EC600N/M R80
U1A
EC600U-CN
U1C
EC600U-CN
U1D
EC600U-CN
U1E
EC600U-CN
U1B
EC600U-CN
RXD0 RXD1
EC600U/G R70 R73 R85 R86
EC600N/M R71 R72 R87 R88
CAMERA
Title
EC600X QuecPython
Size
A2
Number
QUECTEL_LOGO
Revision
Date: 3-31-2023
Sheet of
File: G:\...\U.EC600S.SchDoc
Drawn By:



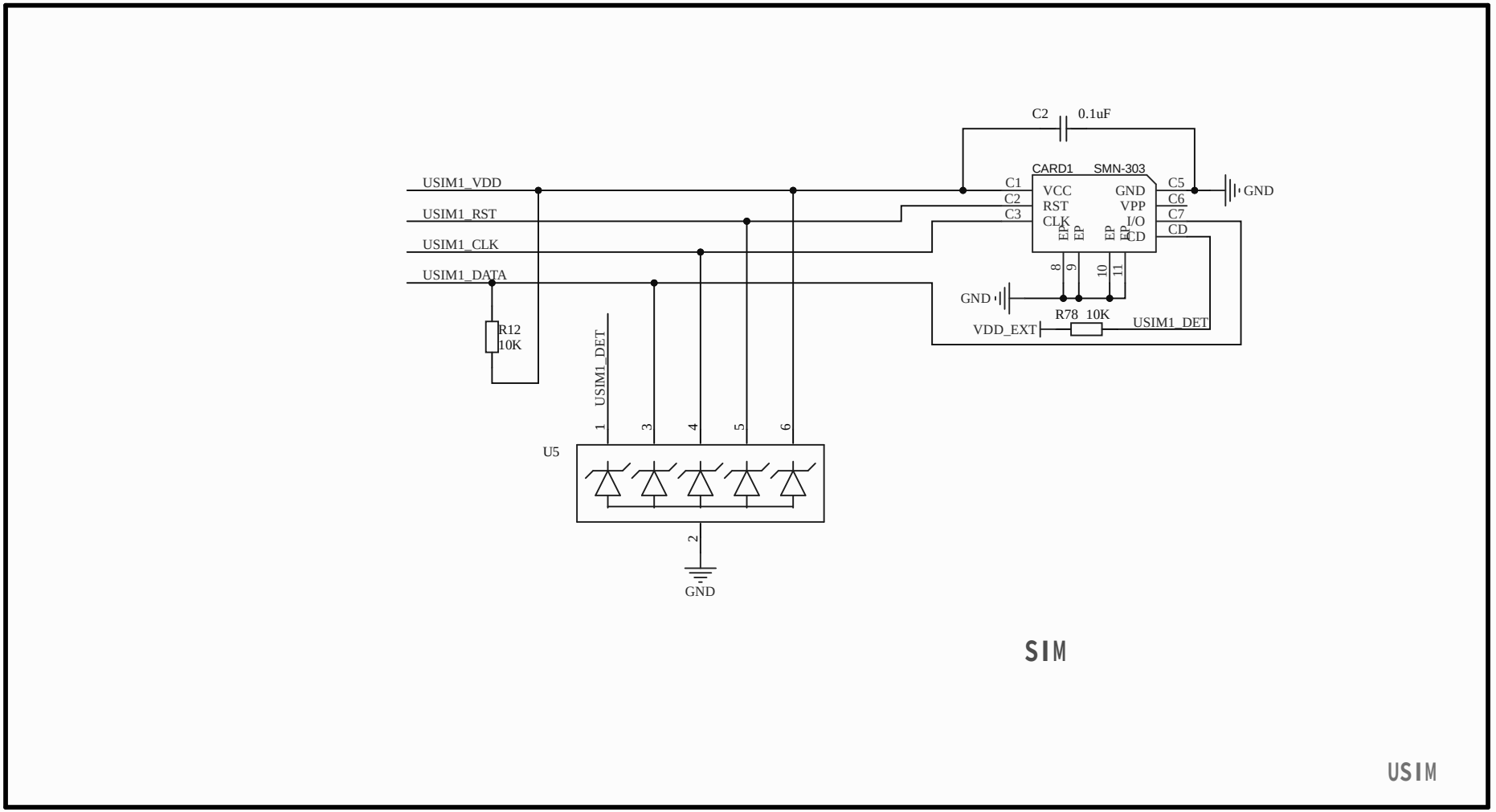
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\2.POWER.SchDoc		Drawn By:



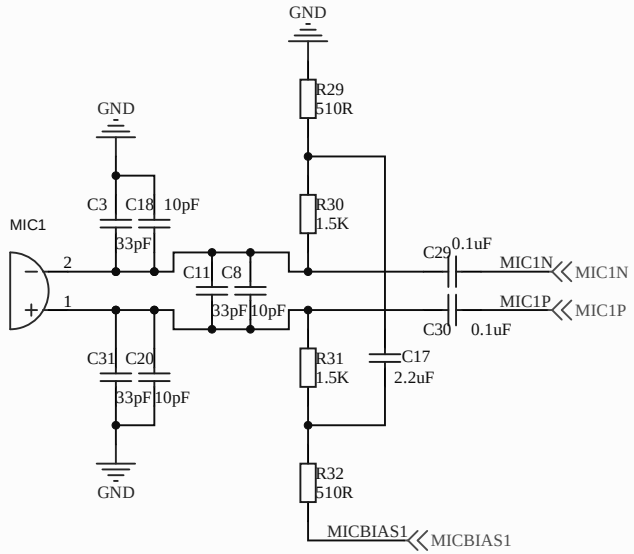


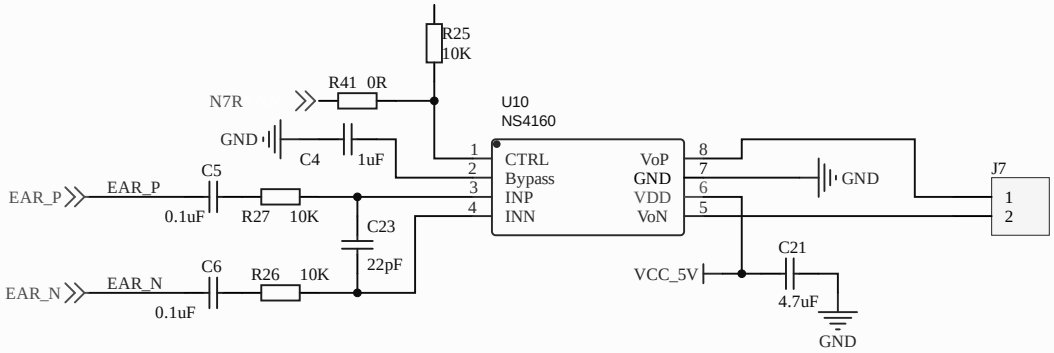
SENSOR

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



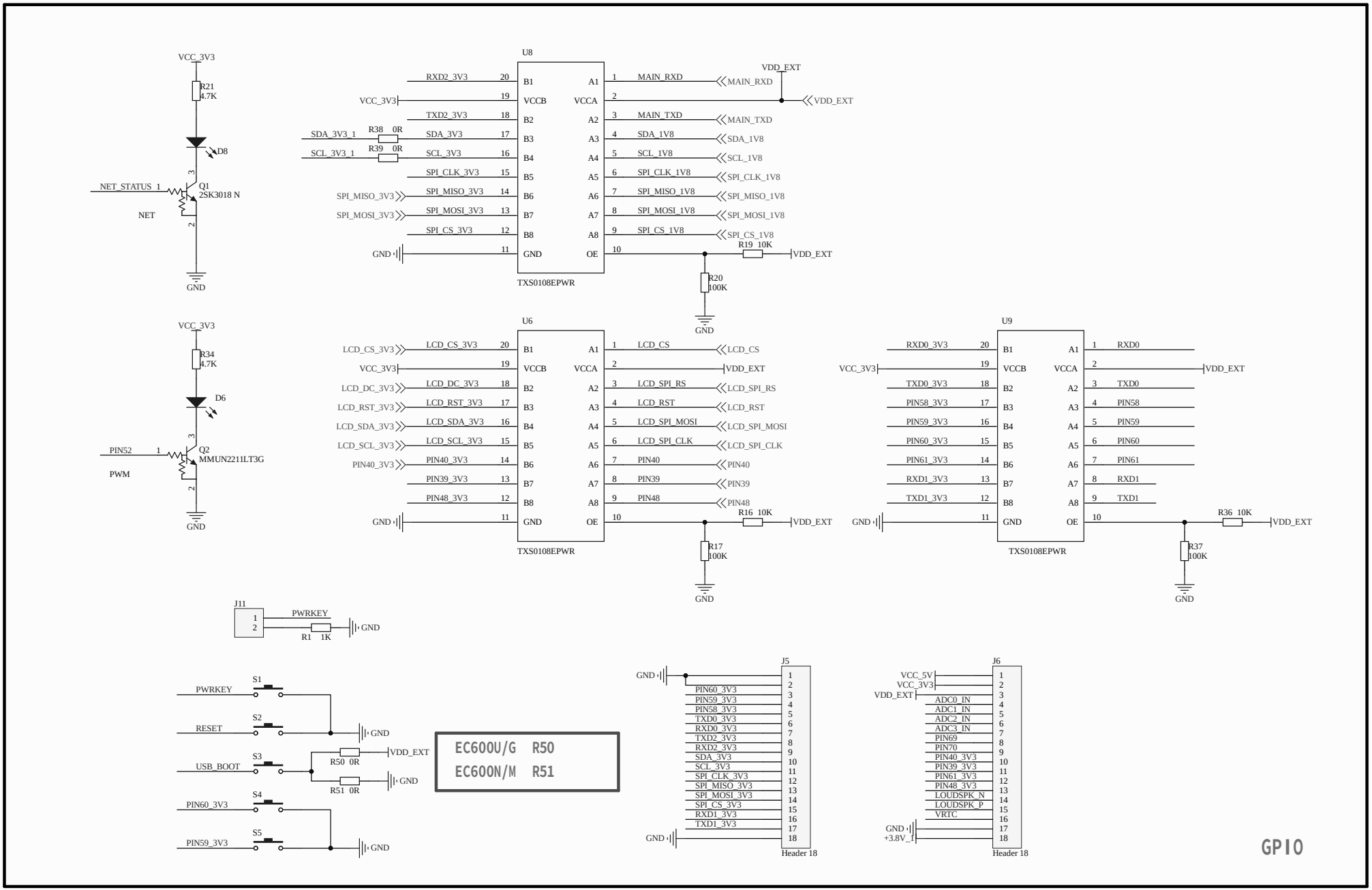
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\4.SIM-CARD.SchDoc		Drawn By:



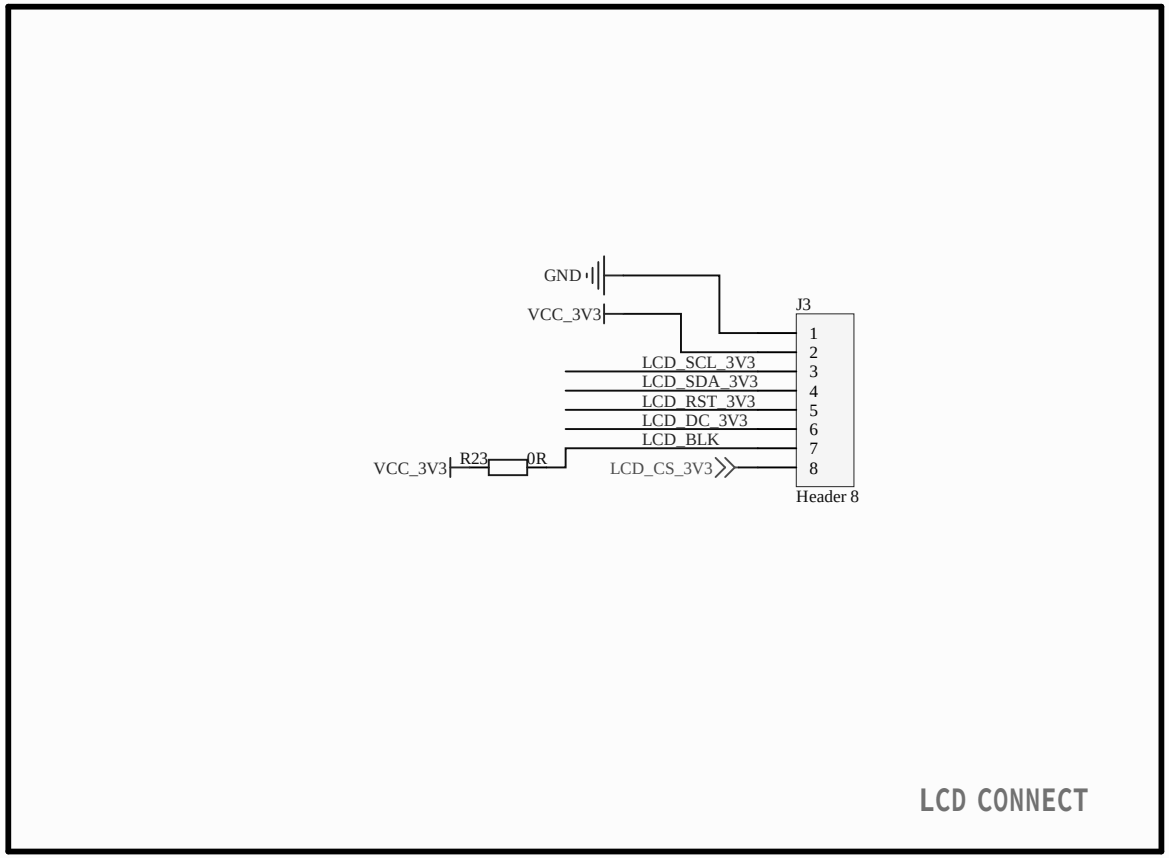


AUDIO

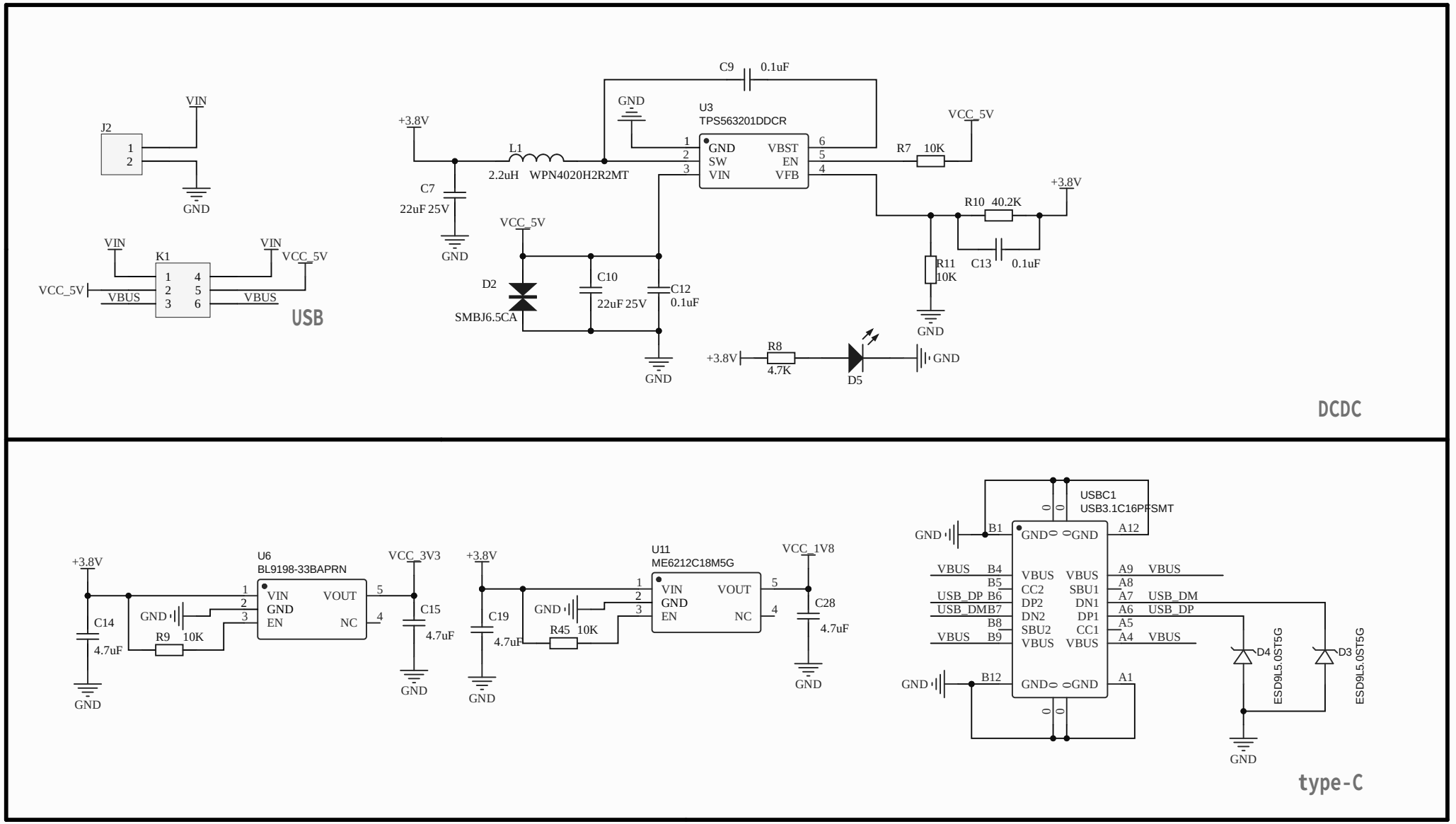
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\5.AUDIO.SchDoc		Drawn By:

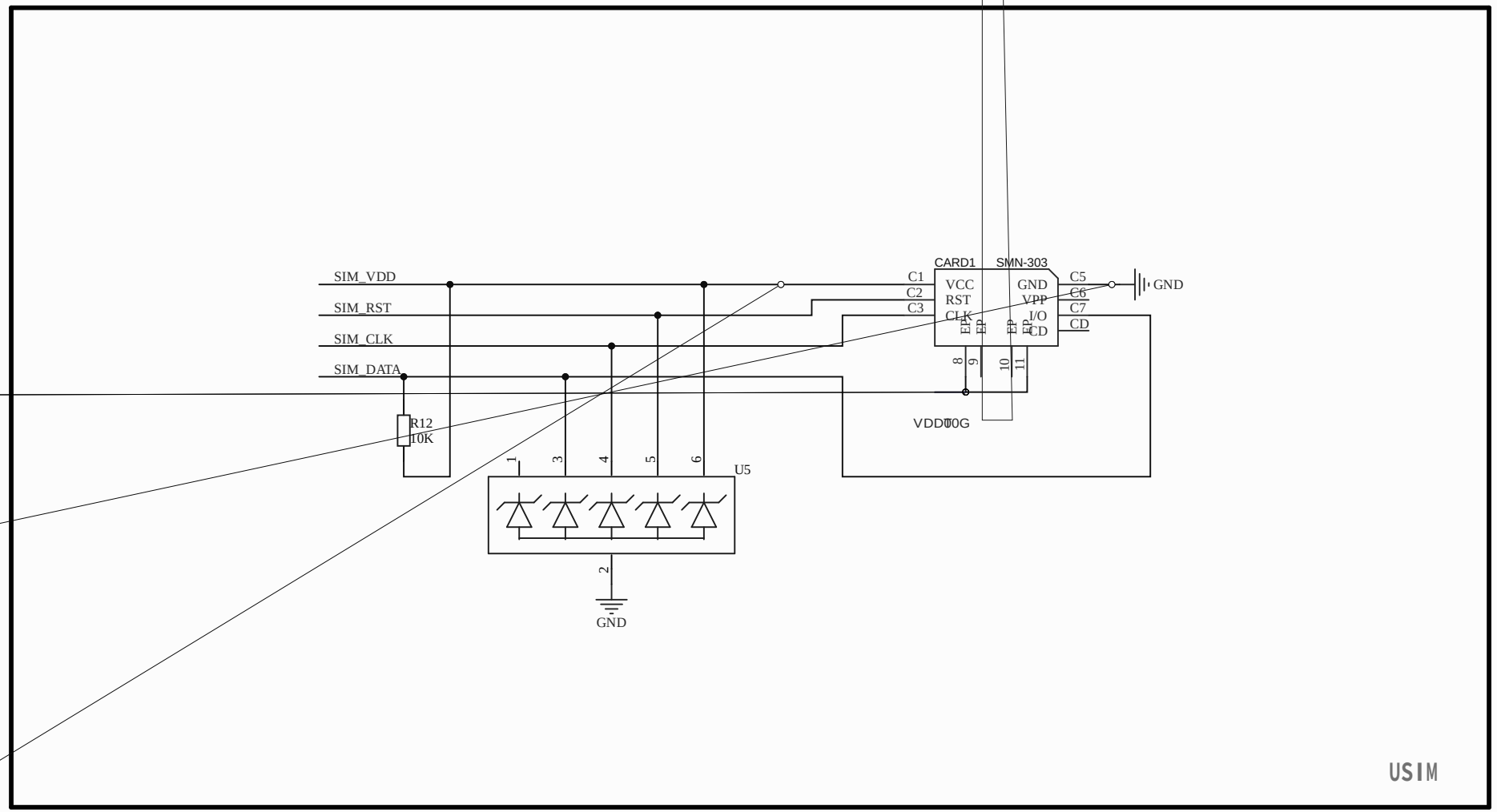


Title		
Size A3	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\6.GPIO+UART.SchDoc		Drawn By:

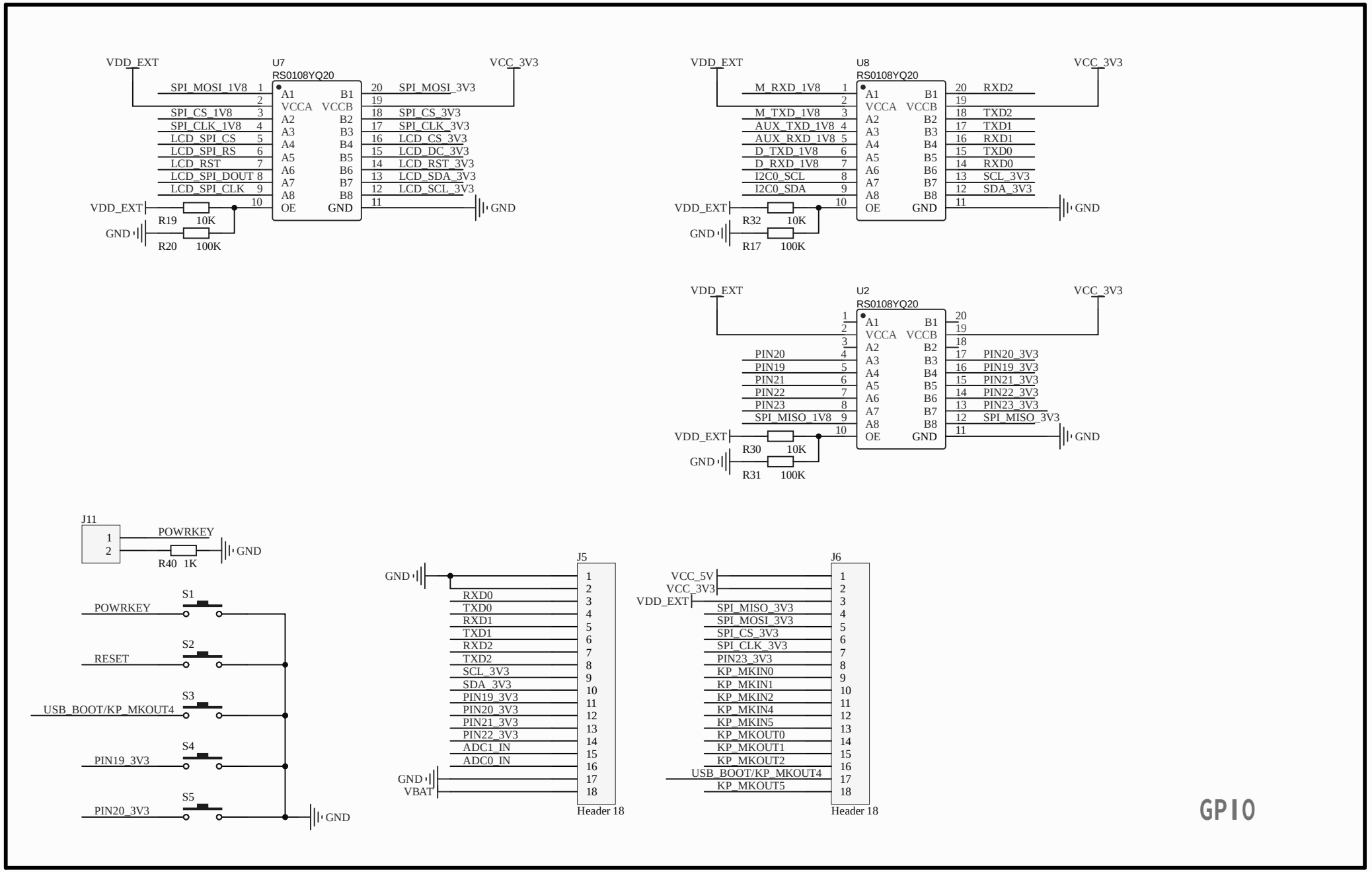


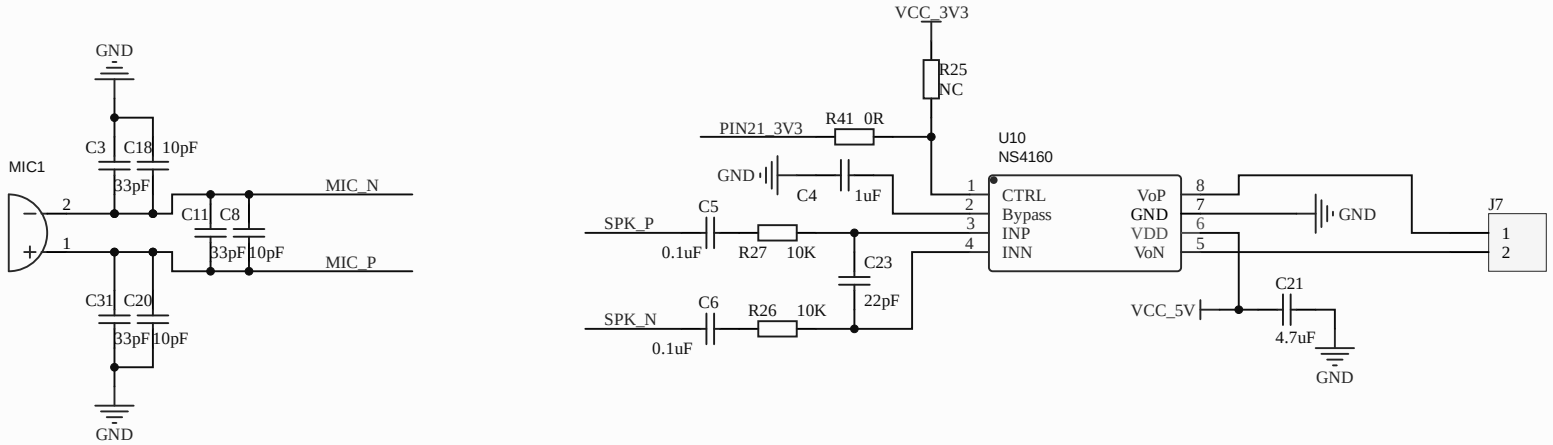
Title		
Size A4	Number	Revision
Date: 3-31-2023		Sheet of
File: G:\ \..\7.LCM.SchDoc		Drawn By:


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


SIM_VDD
SIM_RST
SIM_CLK
SIM_DATA
R12
10K
U5
GND
CARD1
SMN-303
C1
C2
C3
VCC
RST
CLK
GND
VPP
I/O
CD
C5
C6
C7
C8
EP
VDD
GND
USIM

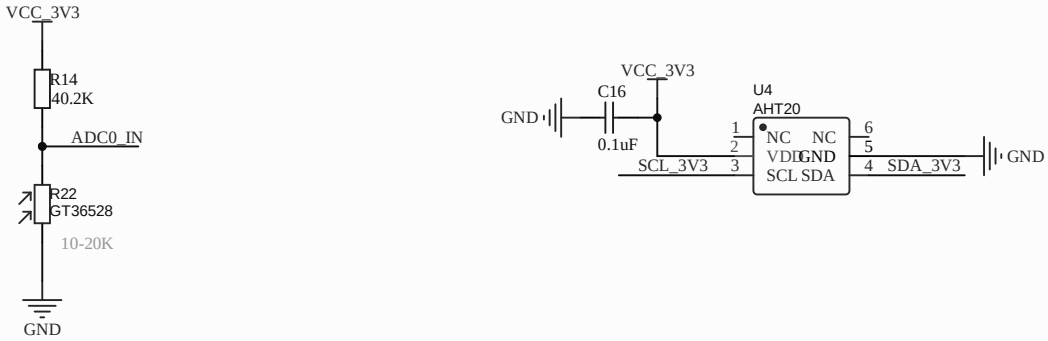
R12


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

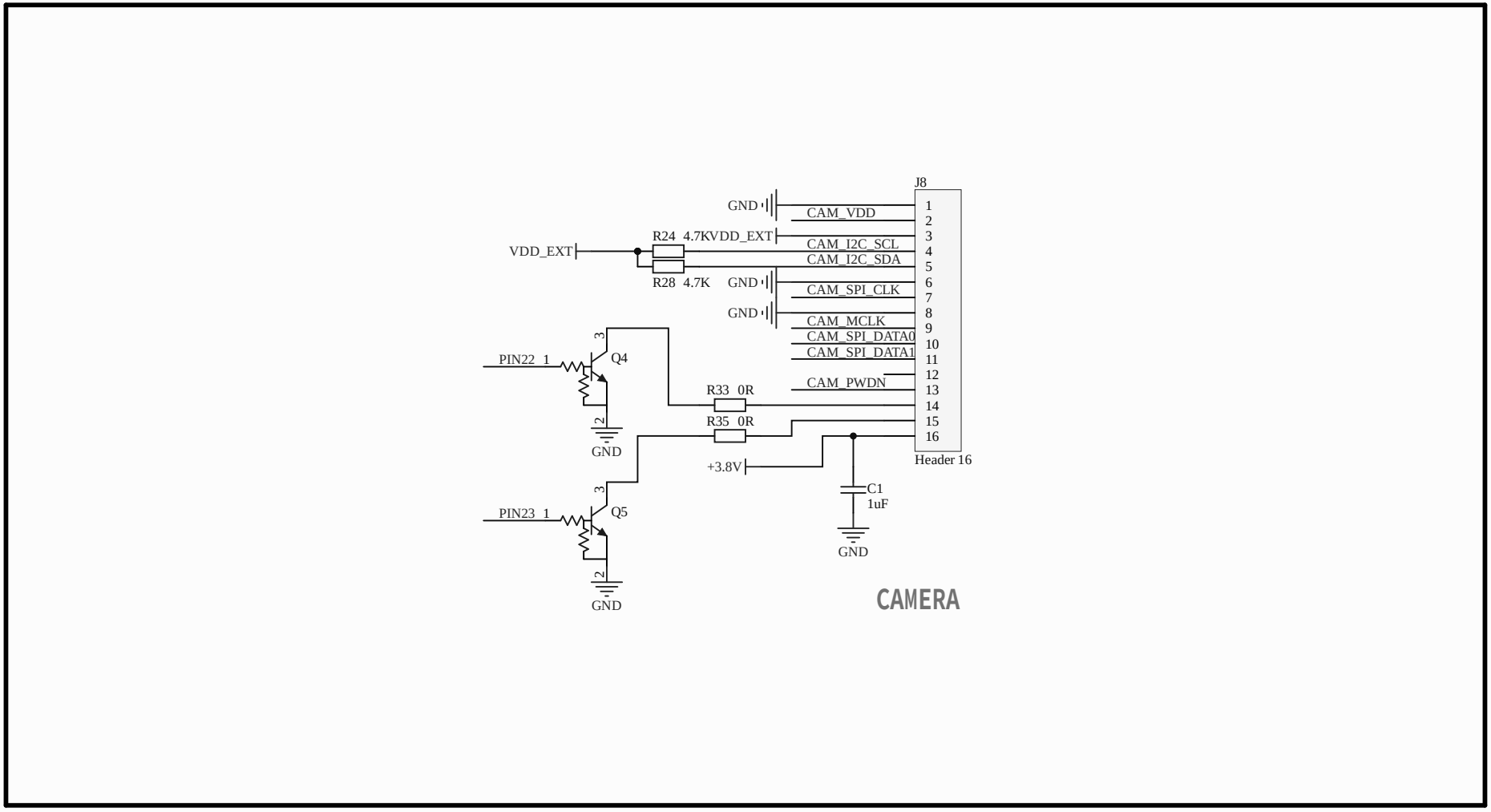

GND
C3
C18
10pF
33pF
MIC1
2
1
C11
C8
33pF
10pF
MIC_N
MIC_P
C31
C20
33pF
10pF
GND
VCC_3V3
R25
NC
PIN21_3V3
R41
0R
U10
NS4160
GND
C4
1uF
SPK_P
C5
0.1uF
R27
10K
C23
22pF
SPK_N
C6
0.1uF
R26
10K
CTRL
Bypass
INP
INN
VoP
GND
VDD
VoN
GND
J7
1
2
VCC_5V
C21
4.7uF
GND

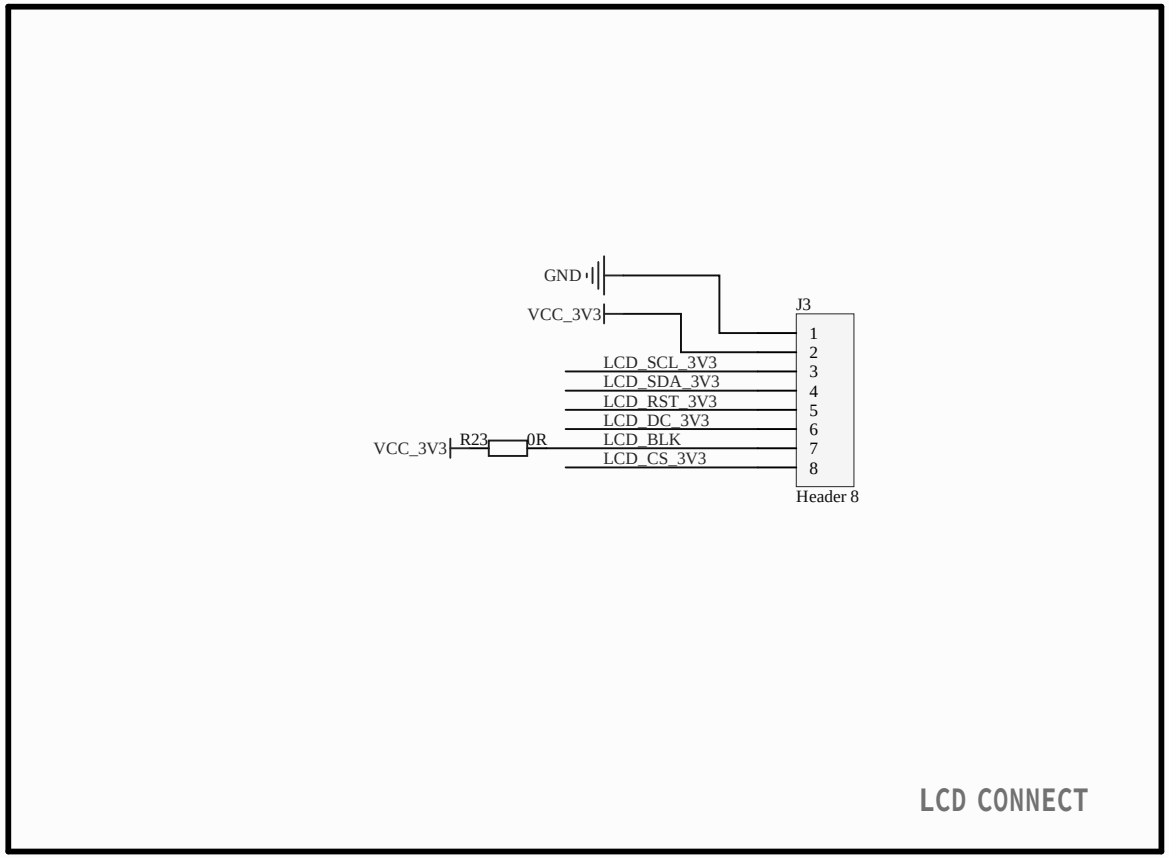
AUDIO

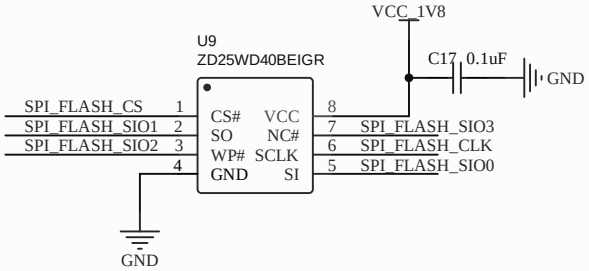
AUDIO


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