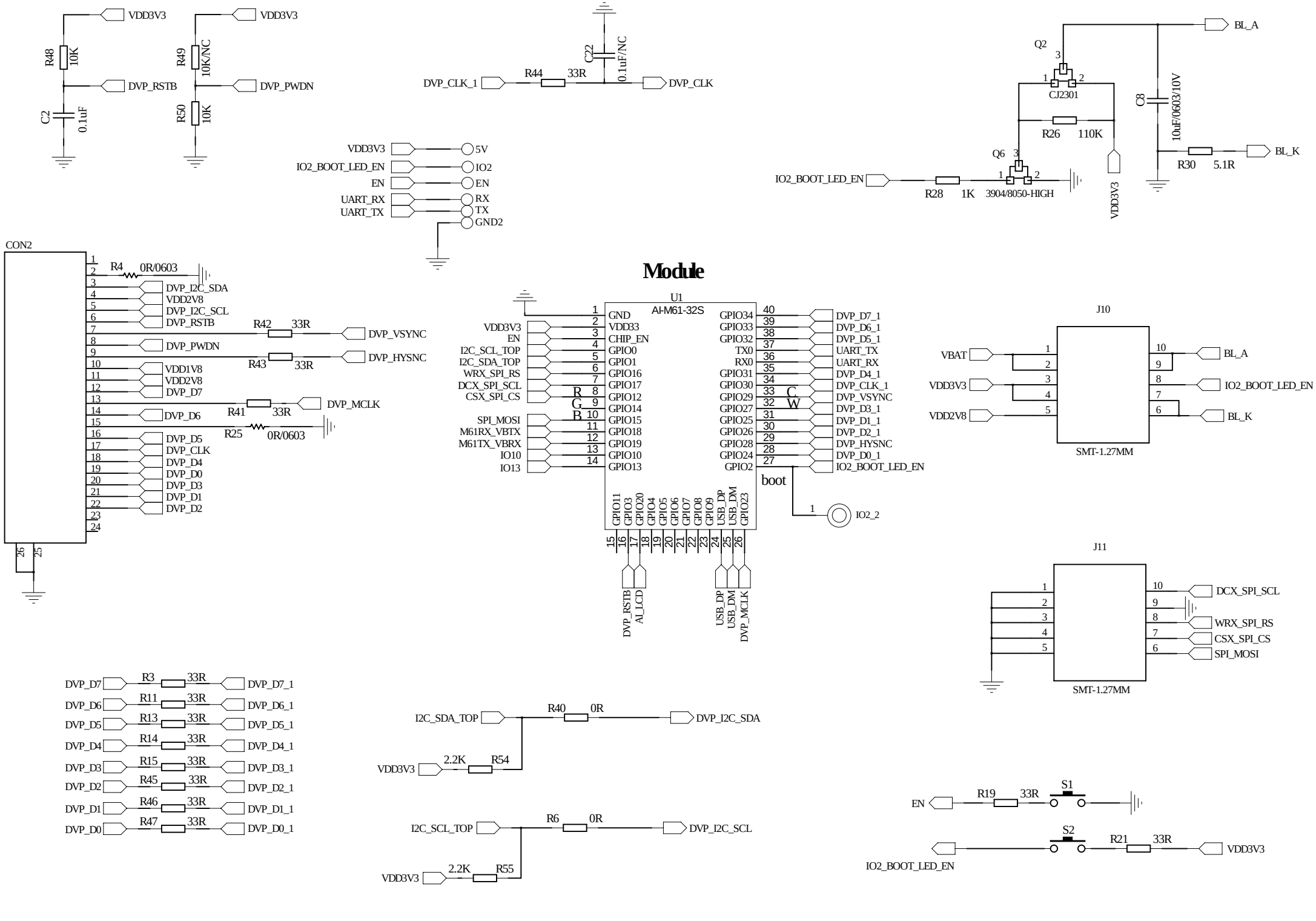
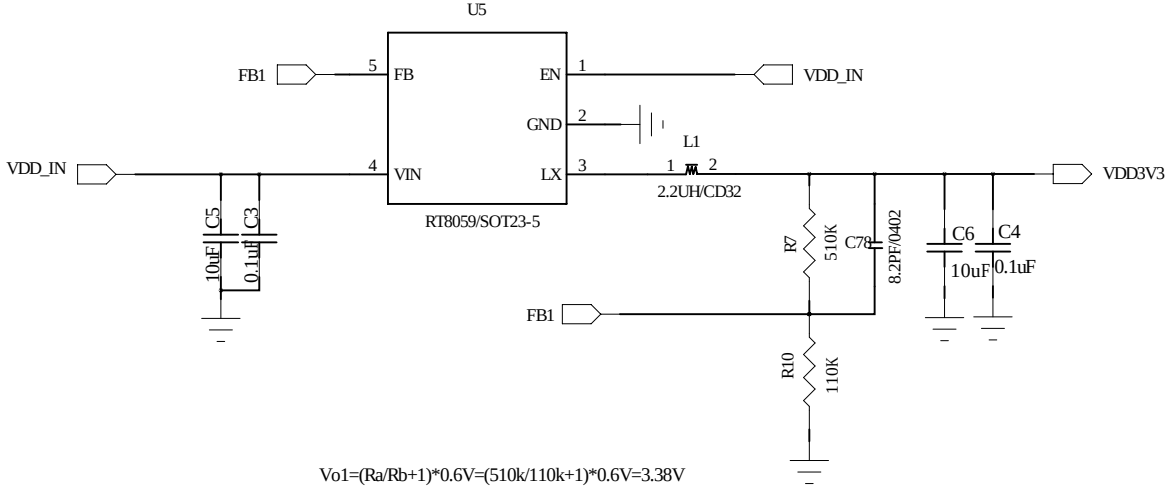
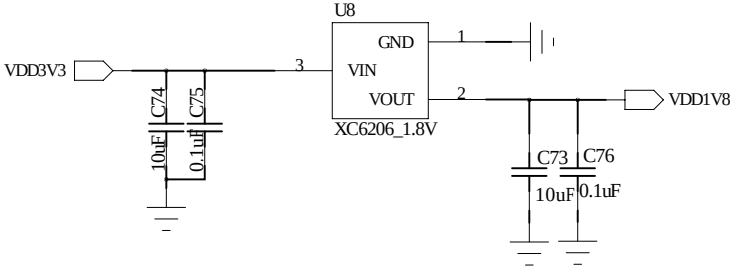
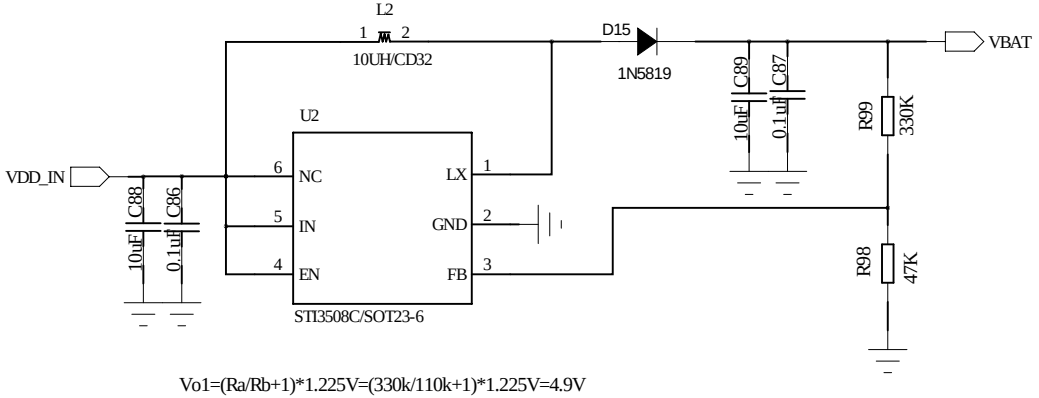

VDD3V3
R48
10K
DVP_RSTB
C2
0.1uF
VDD3V3
R49
10K/NC
DVP_PWDN
R50
10K
DVP_CLK_1
R44
33R
C22
0.1uF/NC
DVP_CLK
VDD3V3
IO2_BOOT_LED_EN
EN
UART_RX
UART_TX
5V
IO2
EN
RX
TX
GND2
Q2
CJ2301
R26
110K
C8
10uF/0603/10V
BL_A
BL_K
R30
5.1R
Q6
3904/8050-HIGH
R28
1K
IO2_BOOT_LED_EN
VDD3V3
CON2
R4
0R/0603
DVP_I2C_SDA
VDD2V8
DVP_I2C_SCL
DVP_RSTB
R42
33R
DVP_VSYNC
DVP_PWDN
R43
33R
DVP_HYSNC
VDD1V8
VDD2V8
DVP_D7
DVP_MCLK
R41
33R
DVP_D6
R25
0R/0603
DVP_D5
DVP_CLK
DVP_D4
DVP_D0
DVP_D3
DVP_D1
DVP_D2
Module
U1
AI-M61-32S
GND
VDD33
CHIP_EN
GPIO0
GPIO1
GPIO16
GPIO17
GPIO12
GPIO14
GPIO15
GPIO18
GPIO19
GPIO10
GPIO13
VDD3V3
EN
I2C_SCL_TOP
I2C_SDA_TOP
WRX_SPI_RS
DCX_SPI_SCL
CSX_SPI_CS
SPI_MOSI
M61RX_VBTX
M61TX_VBRX
IO10
IO13
GPIO34
GPIO33
GPIO32
TX0
RX0
GPIO31
GPIO30
GPIO29
GPIO27
GPIO25
GPIO26
GPIO28
GPIO24
GPIO2
DVP_D7_1
DVP_D6_1
DVP_D5_1
UART_TX
UART_RX
DVP_D4_1
DVP_CLK_1
DVP_VSYNC
DVP_D3_1
DVP_D1_1
DVP_D2_1
DVP_HYSNC
DVP_D0_1
IO2_BOOT_LED_EN
boot
IO2_2
GPIO11
GPIO3
GPIO20
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
USB_DP
USB_DM
GPIO23
DVP_RSTB
AI_LCD
USB_DP
USB_DM
DVP_MCLK
J10
VBAT
VDD3V3
VDD2V8
BL_A
IO2_BOOT_LED_EN
BL_K
SMT-1.27MM
J11
DCX_SPI_SCL
WRX_SPI_RS
CSX_SPI_CS
SPI_MOSI
SMT-1.27MM
DVP_D7
R3
33R
DVP_D7_1
DVP_D6
R11
33R
DVP_D6_1
DVP_D5
R13
33R
DVP_D5_1
DVP_D4
R14
33R
DVP_D4_1
DVP_D3
R15
33R
DVP_D3_1
DVP_D2
R45
33R
DVP_D2_1
DVP_D1
R46
33R
DVP_D1_1
DVP_D0
R47
33R
DVP_D0_1
I2C_SDA_TOP
R40
0R
DVP_I2C_SDA
VDD3V3
2.2K
R54
I2C_SCL_TOP
R6
0R
DVP_I2C_SCL
VDD3V3
2.2K
R55
EN
R19
33R
S1
S2
R21
33R
VDD3V3
IO2_BOOT_LED_EN

POWER

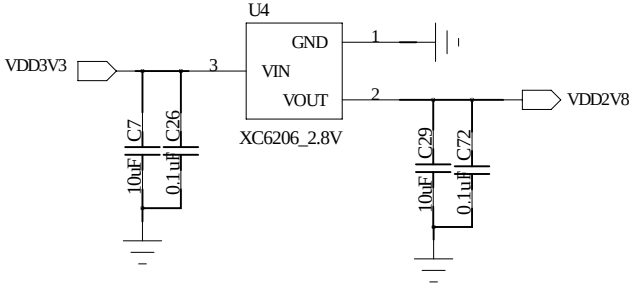


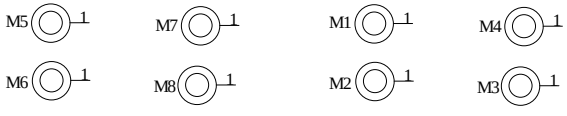
Vo1=(Ra/Rb+1)*0.6V=(510k/110k+1)*0.6V=3.38V

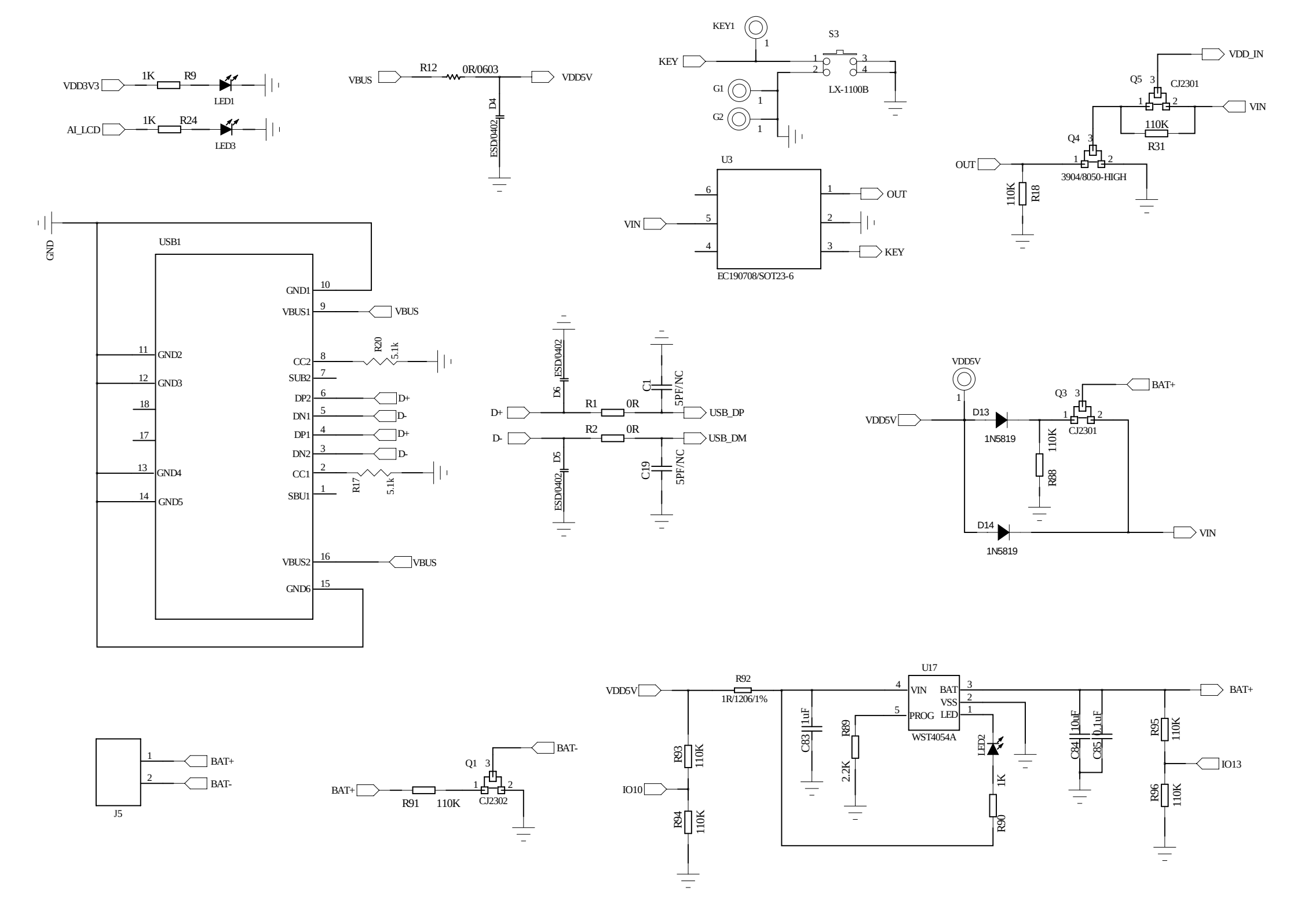


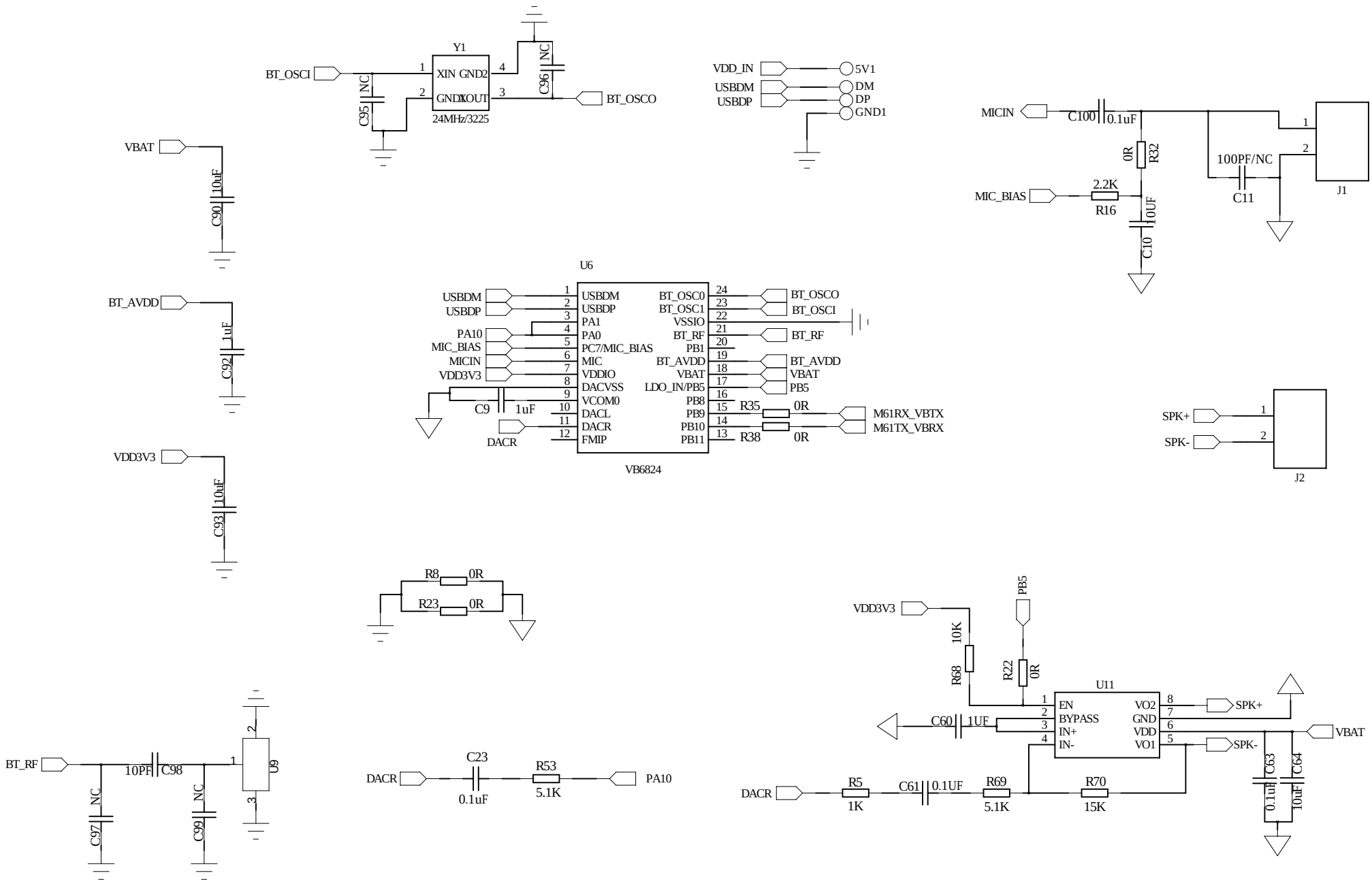


Vo1=(Ra/Rb+1)*1.225V=(330k/110k+1)*1.225V=4.9V






VDD3V3
1K
R9
LED1
AI_LCD
1K
R24
LED3
VBUS
R12
0R/0603
VDD5V
D4
ESD0402
KEY1
KEY
S3
LX-1100B
G1
G2
U3
VIN
OUT
KEY
EC190708/SOT23-6
VDD_IN
Q5
CJ2301
VIN
110K
R31
Q4
OUT
3904/8050-HIGH
110K
R18
GND
USB1
GND1
VBUS1
VBUS
CC2
R20
5.1k
SUB2
DP2
DN1
DP1
DN2
CC1
R17
5.1k
SBU1
GND2
GND3
GND4
GND5
VBUS2
GND6
D+
D-
ESD0402
D6
R1
0R
C1
5PF/NC
USB_DP
R2
0R
D5
C19
5PF/NC
USB_DM
VDD5V
D13
1N5819
Q3
CJ2301
BAT+
110K
R88
D14
1N5819
VIN
J5
BAT+
BAT-
Q1
CJ2302
BAT-
BAT+
R91
110K
VDD5V
R92
1R/1206/1%
U17
VIN
BAT
VSS
PROG
LED
WST4054A
C83
1uF
R89
2.2K
LED2
1K
R90
C84
10uF
C85
0.1uF
BAT+
R95
110K
IO13
R96
110K
IO10
R93
110K
R94
110K


Y1
BT_OSCI
XIN GND2
GNDX XOUT
24MHz/3225
BT_OSCO
C95 NC
C96 NC
VDD_IN
5V1
USBDM
DM
USBDP
DP
GND1
MICIN
C100 0.1uF
0R R32
100PF/NC
C11
J1
MIC_BIAS
2.2K
R16
10UF
C10
VBAT
C90 10uF
BT_AVDD
C92 1uF
VDD3V3
C93 10uF
U6
USBDM
USBDP
PA10
MIC_BIAS
MICIN
VDD3V3
C9 1uF
DACR
PA1
PA0
PC7/MIC_BIAS
MIC
VDDIO
DACVSS
VCOM0
DACL
DACR
FMIP
BT_OSC0
BT_OSC1
VSSIO
BT_RF
PB1
BT_AVDD
VBAT
LDO_IN/PB5
PB8
PB9
PB10
PB11
R35 0R
R38 0R
M61RX_VBTX
M61TX_VBRX
VB6824
SPK+
SPK-
J2
R8 0R
R23 0R
BT_RF
10PF C98
C97 NC
C99 NC
U9
DACR
C23
0.1uF
R53
5.1K
PA10
VDD3V3
10K
R68
PB5
R22 0R
U11
EN
BYPASS
IN+
IN-
VO2
GND
VDD
VO1
SPK+
SPK-
VBAT
C60 1UF
DACR
R5
1K
C61 0.1UF
R69
5.1K
R70
15K
C63 0.1uF
C64 10uF