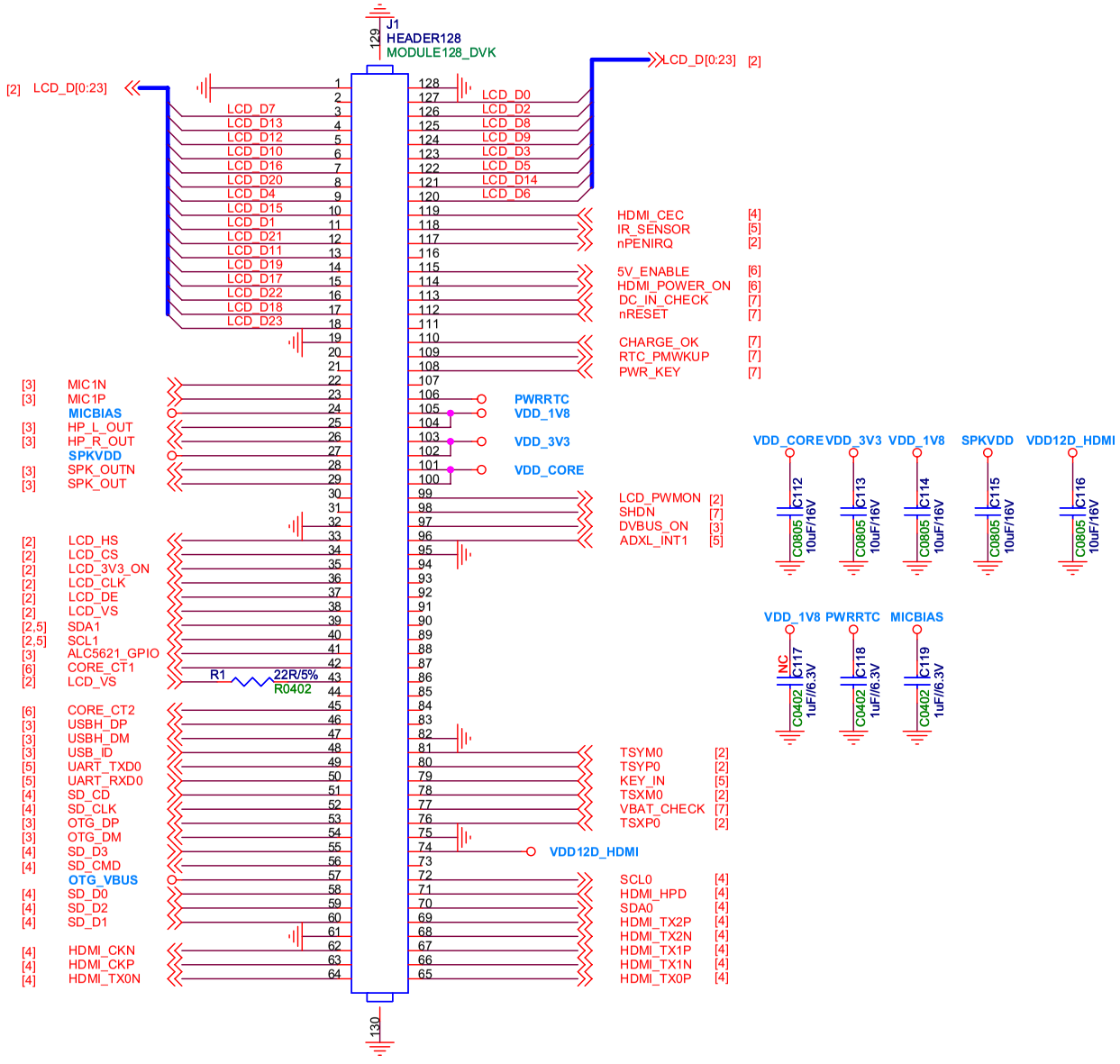
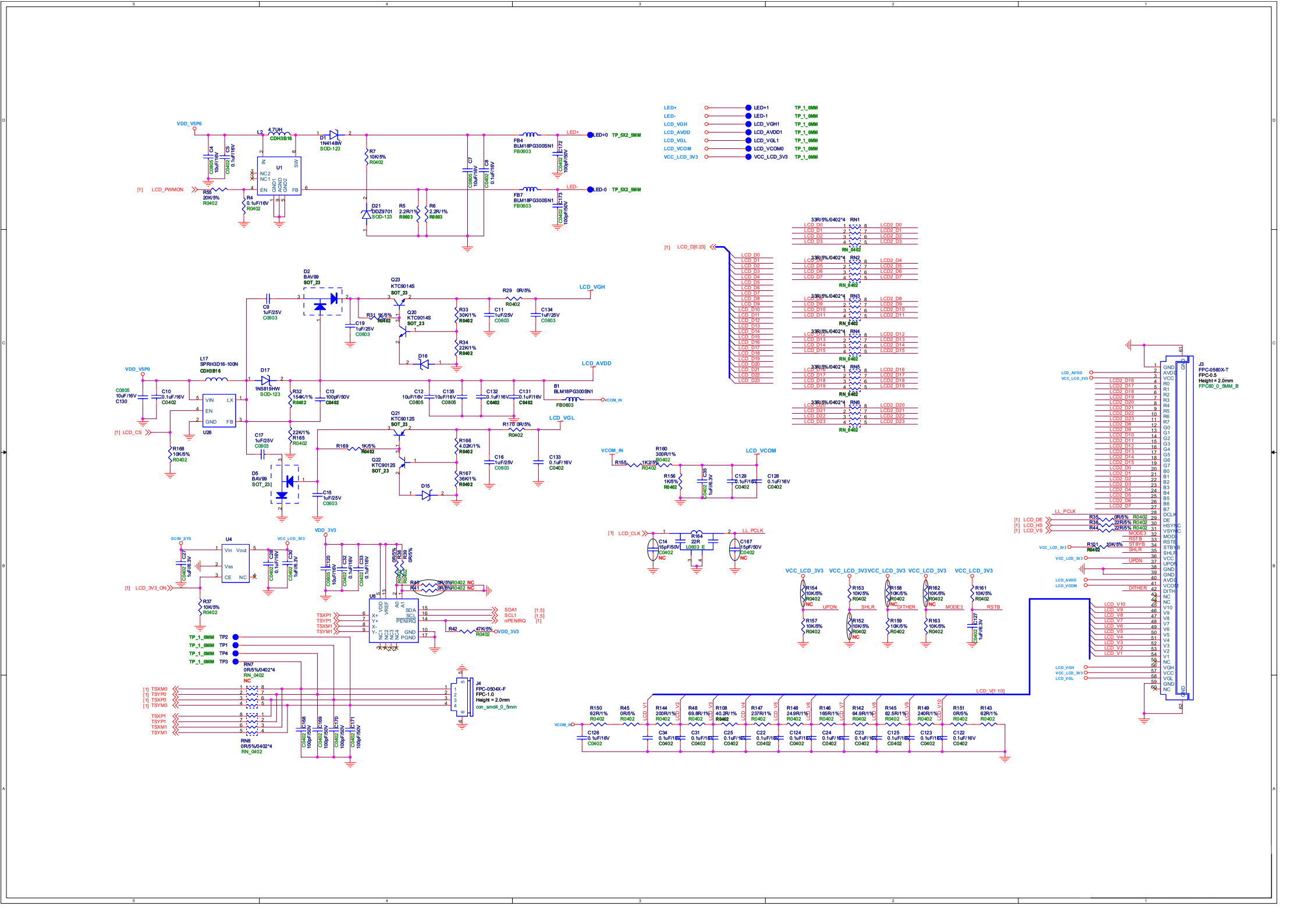
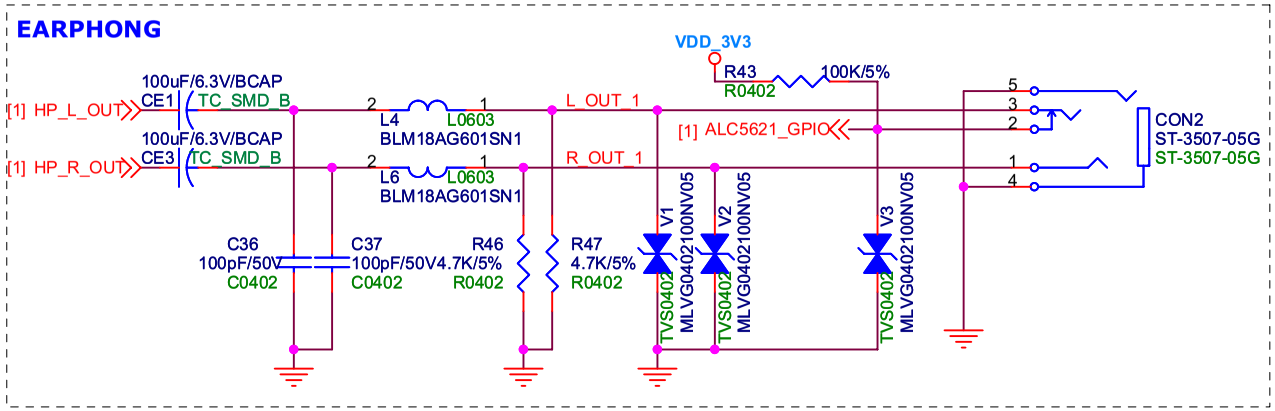
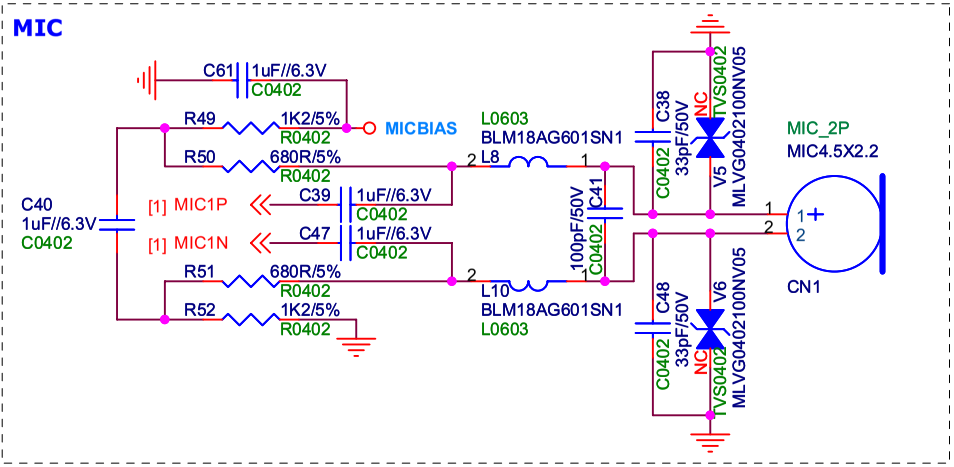

J1
HEADER128
MODULE128_DVK
129
130
[2] LCD_D[0:23]
LCD_D[0:23] [2]
LCD_D7
LCD_D13
LCD_D12
LCD_D10
LCD_D16
LCD_D20
LCD_D4
LCD_D15
LCD_D1
LCD_D21
LCD_D11
LCD_D19
LCD_D17
LCD_D22
LCD_D18
LCD_D23
LCD_D0
LCD_D2
LCD_D8
LCD_D9
LCD_D3
LCD_D5
LCD_D14
LCD_D6
HDMI_CEC [4]
IR_SENSOR [5]
nPENIRQ [2]
5V_ENABLE [6]
HDMI_POWER_ON [6]
DC_IN_CHECK [7]
nRESET [7]
CHARGE_OK [7]
RTC_PMWKUP [7]
PWR_KEY [7]
[3] MIC1N
[3] MIC1P
MICBIAS
[3] HP_L_OUT
[3] HP_R_OUT
SPKVDD
[3] SPK_OUTN
[3] SPK_OUT
PWRRTC
VDD_1V8
VDD_3V3
VDD_CORE
LCD_PWMON [2]
SHDN [7]
DVBUS_ON [3]
ADXL_INT1 [5]
[2] LCD_HS
[2] LCD_CS
[2] LCD_3V3_ON
[2] LCD_CLK
[2] LCD_DE
[2] LCD_VS
[2,5] SDA1
[2,5] SCL1
[3] ALC5621_GPIO
[6] CORE_CT1
[2] LCD_VS
R1
22R/5%
R0402
[6] CORE_CT2
[3] USBH_DP
[3] USBH_DM
[3] USB_ID
[5] UART_TXD0
[5] UART_RXD0
[4] SD_CD
[4] SD_CLK
[3] OTG_DP
[3] OTG_DM
[4] SD_D3
[4] SD_CMD
OTG_VBUS
[4] SD_D0
[4] SD_D2
[4] SD_D1
[4] HDMI_CKN
[4] HDMI_CKP
[4] HDMI_TX0N
TSYM0 [2]
TSYP0 [2]
KEY_IN [5]
TSXM0 [2]
VBAT_CHECK [7]
TSXP0 [2]
VDD12D_HDMI
SCL0 [4]
HDMI_HPD [4]
SDA0 [4]
HDMI_TX2P [4]
HDMI_TX2N [4]
HDMI_TX1P [4]
HDMI_TX1N [4]
HDMI_TX0P [4]
VDD_CORE
VDD_3V3
VDD_1V8
SPKVDD
VDD12D_HDMI
C0805 C112 10uF/16V
C0805 C113 10uF/16V
C0805 C114 10uF/16V
C0805 C115 10uF/16V
C0805 C116 10uF/16V
VDD_1V8
PWRRTC
MICBIAS
NC
C0402 C117 1uF/6.3V
C0402 C118 1uF/6.3V
C0402 C119 1uF/6.3V


VDD_V5P0
L2 4.7UH CDH3B16
D1 1N4148W SOD-123
U1
R7 10K/5% R0402
FB4 BLM18PG300SN1 FB0603
FB7 BLM18PG300SN1 FB0603
LED+
LED-
LED+0 TP_5X2_5MM
LED-0 TP_5X2_5MM
[1] LCD_PWMON
R55 20K/5% R0402
R4 0.1uF/16V R0402
D21 DDZ9701 SOD-123
R5 2.2R/1% R0603
R6 2.2R/1% R0603
LED+ LED+1 TP_1_0MM
LED- LED-1 TP_1_0MM
LCD_VGH LCD_VGH1 TP_1_0MM
LCD_AVDD LCD_AVDD1 TP_1_0MM
LCD_VGL LCD_VGL1 TP_1_0MM
LCD_VCOM LCD_VCOM0 TP_1_0MM
VCC_LCD_3V3 VCC_LCD_3V3 TP_1_0MM
D2 BAV99 SOT_23
Q23 KTC9014S SOT_23
Q20 KTC9014S SOT_23
D16
LCD_VGH
R29 0R/5% R0402
R33 30K/1% R0402
R34 22K/1% R0402
R31 1K/5% R0402
C9 1uF/25V C0603
C19 1uF/25V C0603
C11 1uF/25V C0603
C134 1uF/25V C0603
L17 SPRH3D16-100N CDH3B16
D17 1N5819HW SOD-123
U26
LCD_AVDD
B1 BLM18PG300SN1 FB0603
VCOM_IN
C13 100pF/50V C0402
C12 10uF/16V C0805
C135 10uF/16V C0805
C132 0.1uF/16V C0402
C131 0.1uF/16V C0402
R32 154K/1% R0402
R170 0R/5% R0402
LCD_VGL
Q21 KTC9012S SOT_23
Q22 KTC9012S SOT_23
D15
D5 BAV99 SOT_23
R166 4.02K/1% R0402
R167 36K/1% R0402
R169 1K/5% R0402
C16 1uF/25V C0603
C133 0.1uF/16V C0402
C15 1uF/25V C0603
C17 1uF/25V C0603
R165 22K/1% R0402
R168 10K/5% R0402
[1] LCD_CS
[1] LCD_D[0:23]
LCD_D0 LCD_D1 LCD_D2 LCD_D3 LCD_D4 LCD_D5 LCD_D6 LCD_D7 LCD_D8 LCD_D9 LCD_D10 LCD_D11 LCD_D12 LCD_D13 LCD_D14 LCD_D15 LCD_D16 LCD_D17 LCD_D18 LCD_D19 LCD_D20 LCD_D21 LCD_D22 LCD_D23
33R/5%/0402*4 RN1 LCD_D0 LCD_D1 LCD_D2 LCD_D3 LCD2_D0 LCD2_D1 LCD2_D2 LCD2_D3 RN_0402
33R/5%/0402*4 RN2 LCD_D4 LCD_D5 LCD_D6 LCD_D7 LCD2_D4 LCD2_D5 LCD2_D6 LCD2_D7 RN_0402
33R/5%/0402*4 RN3 LCD_D8 LCD_D9 LCD_D10 LCD_D11 LCD2_D8 LCD2_D9 LCD2_D10 LCD2_D11 RN_0402
33R/5%/0402*4 RN4 LCD_D12 LCD_D13 LCD_D14 LCD_D15 LCD2_D12 LCD2_D13 LCD2_D14 LCD2_D15 RN_0402
33R/5%/0402*4 RN5 LCD_D16 LCD_D17 LCD_D18 LCD_D19 LCD2_D16 LCD2_D17 LCD2_D18 LCD2_D19 RN_0402
33R/5%/0402*4 RN6 LCD_D20 LCD_D21 LCD_D22 LCD_D23 LCD2_D20 LCD2_D21 LCD2_D22 LCD2_D23 RN_0402
VCOM_IN
R155 1K2/5% R0402
R160 300R/1% R0402
R156 1K/5% R0402
C35 1uF/6.3V C0402
LCD_VCOM
C129 0.1uF/16V C0402
C128 0.1uF/16V C0402
[1] LCD_CLK
C14 15pF/50V C0402 NC
R164 22R L0603_E
C167 15pF/50V C0402 NC
LL_PCLK
DC5V_3VS
U4
[1] LCD_3V3_ON
R37 10K/5% R0402
C27 1uF/6.3V C0402
C28 0.1uF/16V C0402
C30 1uF/6.3V C0402
VCC_LCD_3V3
VDD_3V3
C120 10uF/16V C0805
C32 0.1uF/16V C0402
C33 0.1uF/16V C0402
R35 0R/5% R0402
R36 0R/5% R0402
R38 0R/5% R0402
U6
TSXP1 TSYP1 TSXM1 TSYM1
SDA1 SCL1 nPENIRQ [1,5] [1,5] [1]
R40 0R/5% R0402 NC
R41 0R/5% R0402 NC
R42 47K/5% R0402
OVDD_3V3
TP_1_0MM TP2
TP_1_0MM TP1
TP_1_0MM TP4
TP_1_0MM TP3
RN7 0R/5%/0402*4 RN_0402 NC
[1] TSXM0 [1] TSYP0 [1] TSXP0 [1] TSYM0
TSXP1 TSYP1 TSXM1 TSYM1
RN8 0R/5%/0402*4 RN_0402
C0402 100pF/50V
J4 FPC-0504X-F FPC-1.0 Height = 2.0mm con_amd4_0_5mm
VCC_LCD_3V3 VCC_LCD_3V3 VCC_LCD_3V3 VCC_LCD_3V3 VCC_LCD_3V3
R154 10K/5% R0402 NC UPDN
R153 10K/5% R0402 SHLR
R158 10K/5% R0402 NC DITHER
R162 10K/5% R0402 NC MODE3
R161 10K/5% R0402 RSTB
R157 10K/5% R0402
R152 10K/5% R0402 NC
R159 10K/5% R0402
R163 10K/5% R0402
C127 1uF/6.3V C0402
LCD_V[1:10]
R150 62R/1% R0402
R45 0R/5% R0402
R144 200R/1% R0402
R48 69.8R/1% R0402
R108 40.2R/1% R0402
R147 237R/1% R0402
R148 24.9R/1% R0402
R146 165R/1% R0402
R142 64.9R/1% R0402
R145 82.5R/1% R0402
R149 240R/1% R0402
R151 0R/5% R0402
R143 62R/1% R0402
C126 0.1uF/16V C0402
C34 0.1uF/16V C0402
C31 0.1uF/16V C0402
C25 0.1uF/16V C0402
C22 0.1uF/16V C0402
C124 0.1uF/16V C0402
C24 0.1uF/16V C0402
C23 0.1uF/16V C0402
C125 0.1uF/16V C0402
C123 0.1uF/16V C0402
C122 0.1uF/16V C0402
J3 FPC-0560X-T FPC-0.5 Height = 2.0mm FPC60_0_5MM_B
LCD_AVDD
VCC_LCD_3V3
LCD2_D[16:23] LCD2_D[0:15]
[1] LCD_DE [1] LCD_HS [1] LCD_VS
R35 0R/5% R0402
R36 22R/5% R0402
R44 22R/5% R0402
MODE3 RSTB STBYB SHLR UPDN DITHER
R101 10K/5% R0402
LCD_AVDD LCD_VCOM
LCD_V10 LCD_V9 LCD_V8 LCD_V7 LCD_V6 LCD_V5 LCD_V4 LCD_V3 LCD_V2 LCD_V1
LCD_VGH VCC_LCD_3V3 LCD_VGL

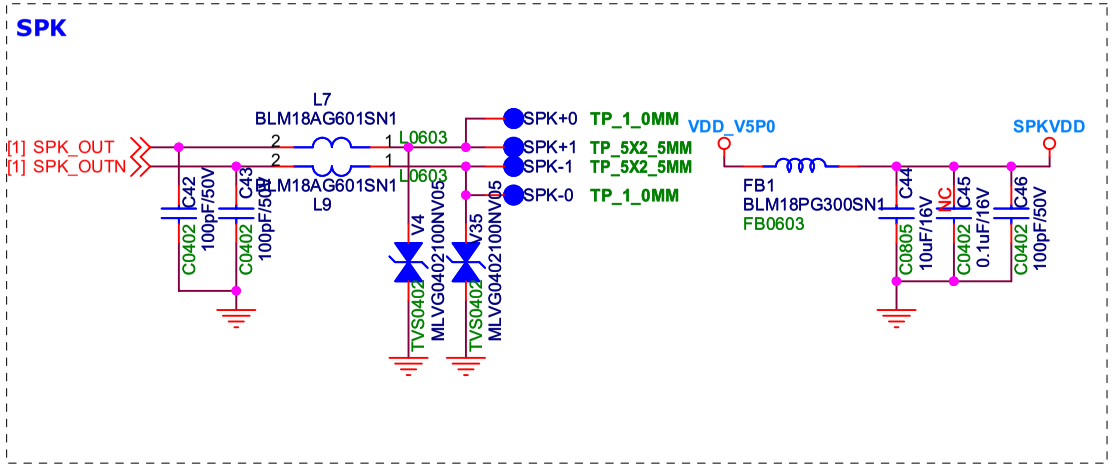
EARPHONG



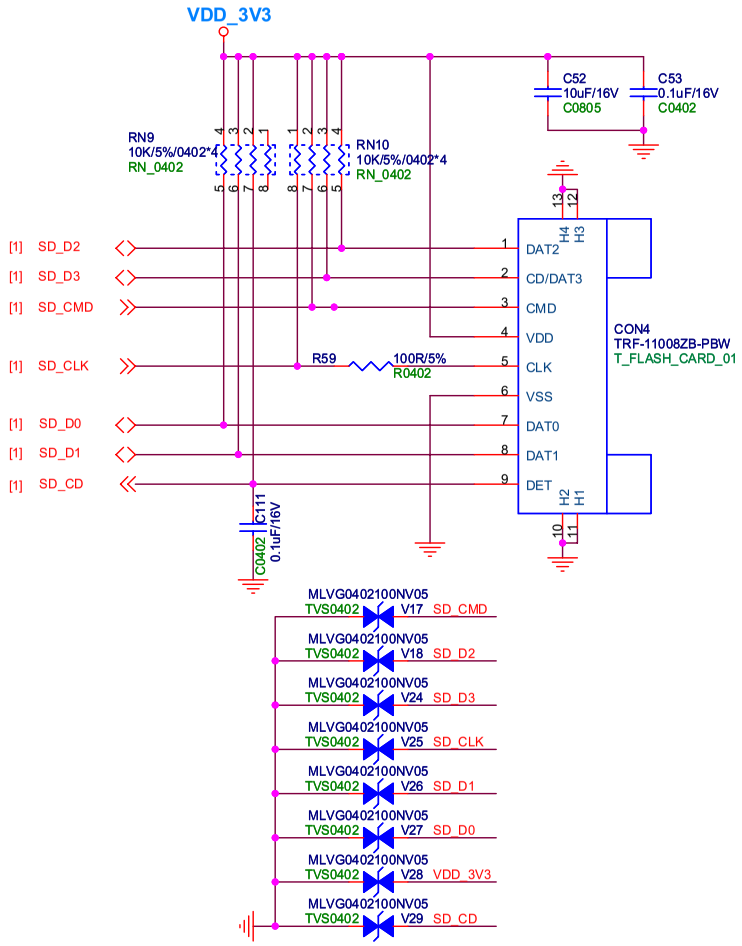
MIC

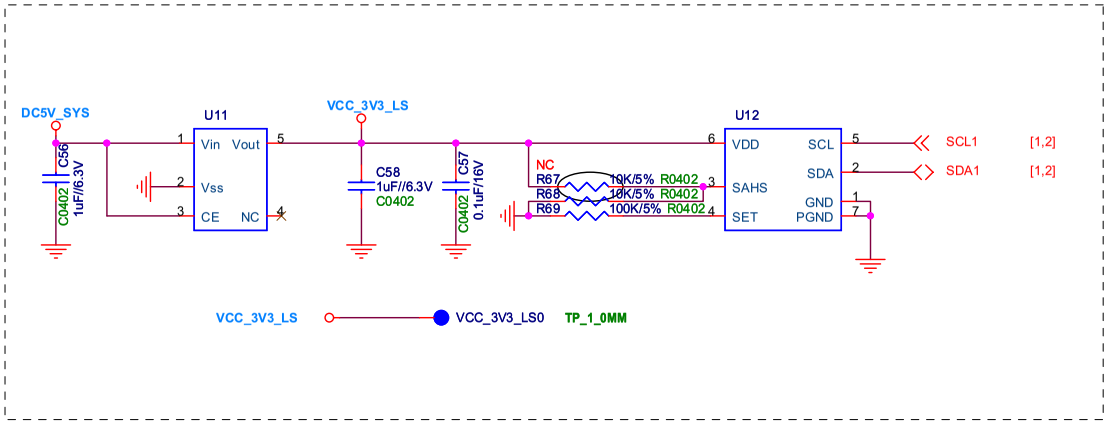


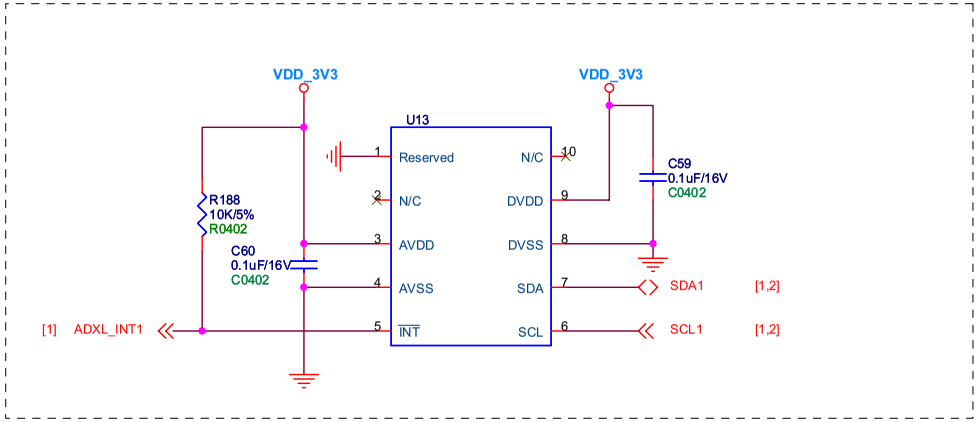
SPK

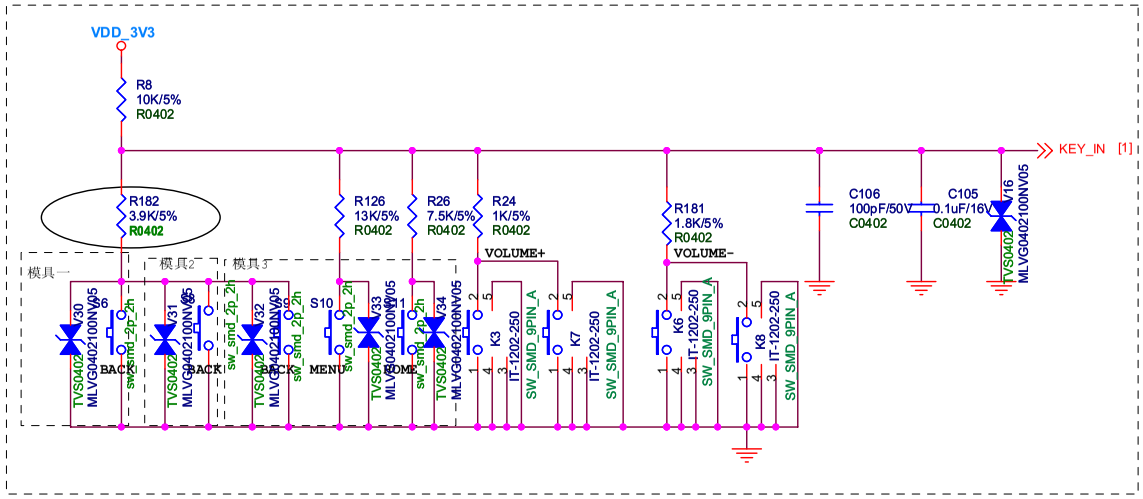


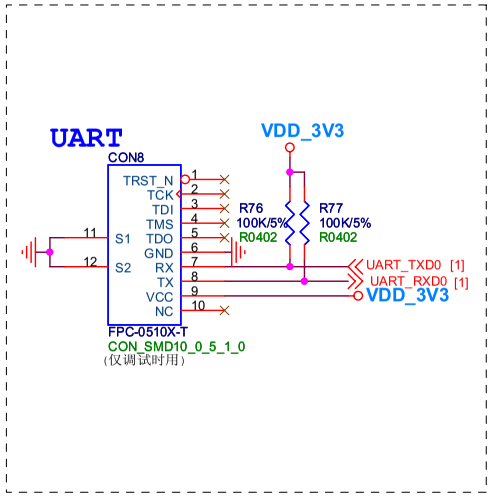
TF CARD

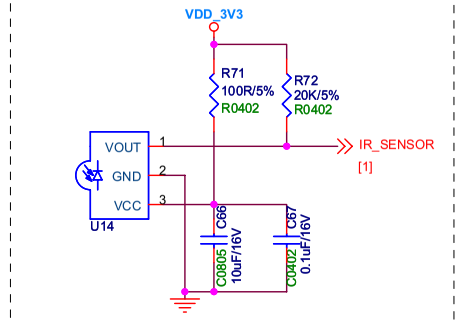

VDD_3V3
C52
10uF/16V
C0805
C53
0.1uF/16V
C0402
RN9
10K/5%/0402*4
RN_0402
RN10
10K/5%/0402*4
RN_0402
[1] SD_D2
[1] SD_D3
[1] SD_CMD
[1] SD_CLK
[1] SD_D0
[1] SD_D1
[1] SD_CD
R59
100R/5%
R0402
DAT2
CD/DAT3
CMD
VDD
CLK
VSS
DAT0
DAT1
DET
CON4
TRF-11008ZB-PBW
T_FLASH_CARD_01
C111
0.1uF/16V
C0402
MLVG0402100NV05
TVS0402
V17 SD_CMD
V18 SD_D2
V24 SD_D3
V25 SD_CLK
V26 SD_D1
V27 SD_D0
V28 VDD_3V3
V29 SD_CD


DC5V_SYS
U11
Vin Vout
Vss
CE NC
C56
C0402
1uF//6.3V
VCC_3V3_LS
C58
1uF//6.3V
C0402
C57
C0402
0.1uF/16V
NC
R67 10K/5% R0402
R68 10K/5% R0402
R69 100K/5% R0402
U12
VDD SCL
SDA
SAHS
GND
SET PGND
SCL1 [1,2]
SDA1 [1,2]
VCC_3V3_LS
VCC_3V3_LS0
TP_1_0MM


VDD_3V3
VDD_3V3
U13
Reserved
N/C
N/C
DVDD
AVDD
DVSS
AVSS
SDA
INT
SCL
R188
10K/5%
R0402
C60
0.1uF/16V
C0402
C59
0.1uF/16V
C0402
[1] ADXL_INT1
SDA1 [1,2]
SCL1 [1,2]

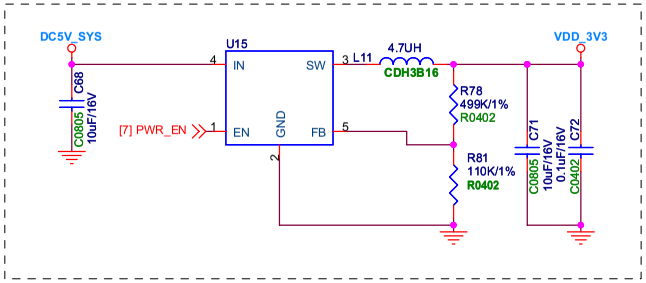

VDD_3V3
R8
10K/5%
R0402
KEY_IN [1]
R182
3.9K/5%
R0402
R126
13K/5%
R0402
R26
7.5K/5%
R0402
R24
1K/5%
R0402
VOLUME+
R181
1.8K/5%
R0402
VOLUME-
C106
100pF/50V
C0402
C105
0.1uF/16V
C0402
模具一
模具2
模具3
BACK
BACK
BACK
MENU
VOLUME+
VOLUME-
SW_SMD_9PIN_A
IT-1202-250

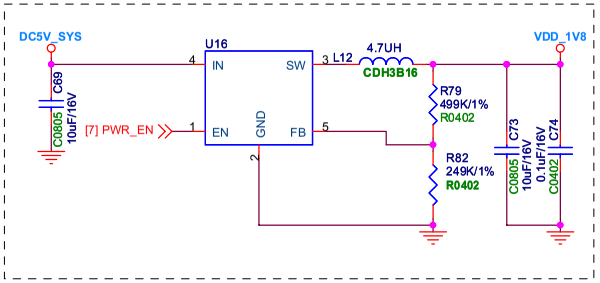

UART
CON8
VDD_3V3
TRST_N
TCK
TDI
TMS
TDO
GND
RX
TX
VCC
NC
S1
S2
R76
100K/5%
R0402
R77
100K/5%
R0402
UART_TXD0 [1]
UART_RXD0 [1]
VDD_3V3
FPC-0510X-T
CON_SMD10_0_5_1_0
（仅调试时用）

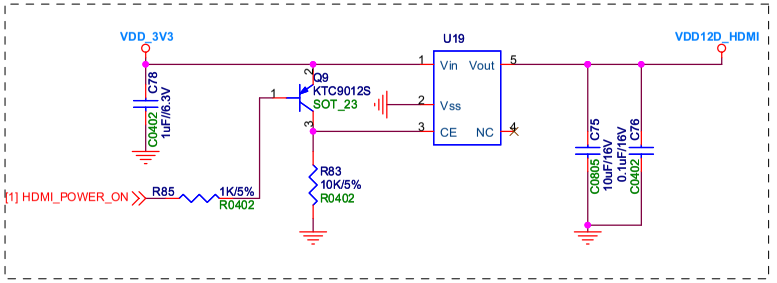

VDD_3V3
R71
100R/5%
R0402
R72
20K/5%
R0402
IR_SENSOR
[1]
VOUT
GND
VCC
U14
C66
C0805
10uF/16V
C67
C0402
0.1uF/16V

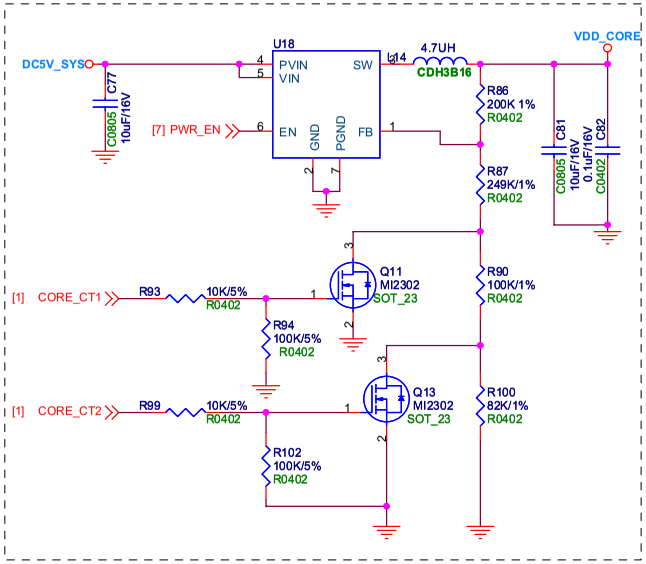
VDD_3V3 — VDD_3V3 — TP_1_0MM
VDD_1V8 — VDD_1V8 — TP_1_0MM
VDD12D_HDMI — VDD12D_HDMI1 — TP_1_0MM
VDD_CORE — VDD_CORE1 — TP_1_0MM

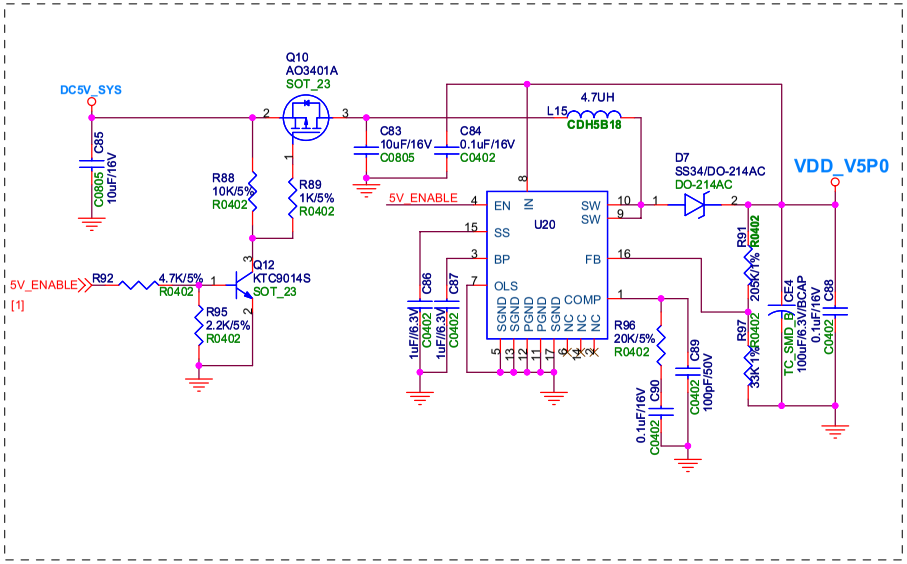
VDD_V5P0 — VDD_V5P0 — TP_1_0MM
PWRRTC — PWRRTC0 — TP_1_0MM

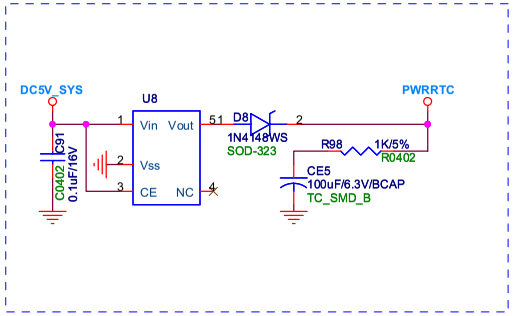




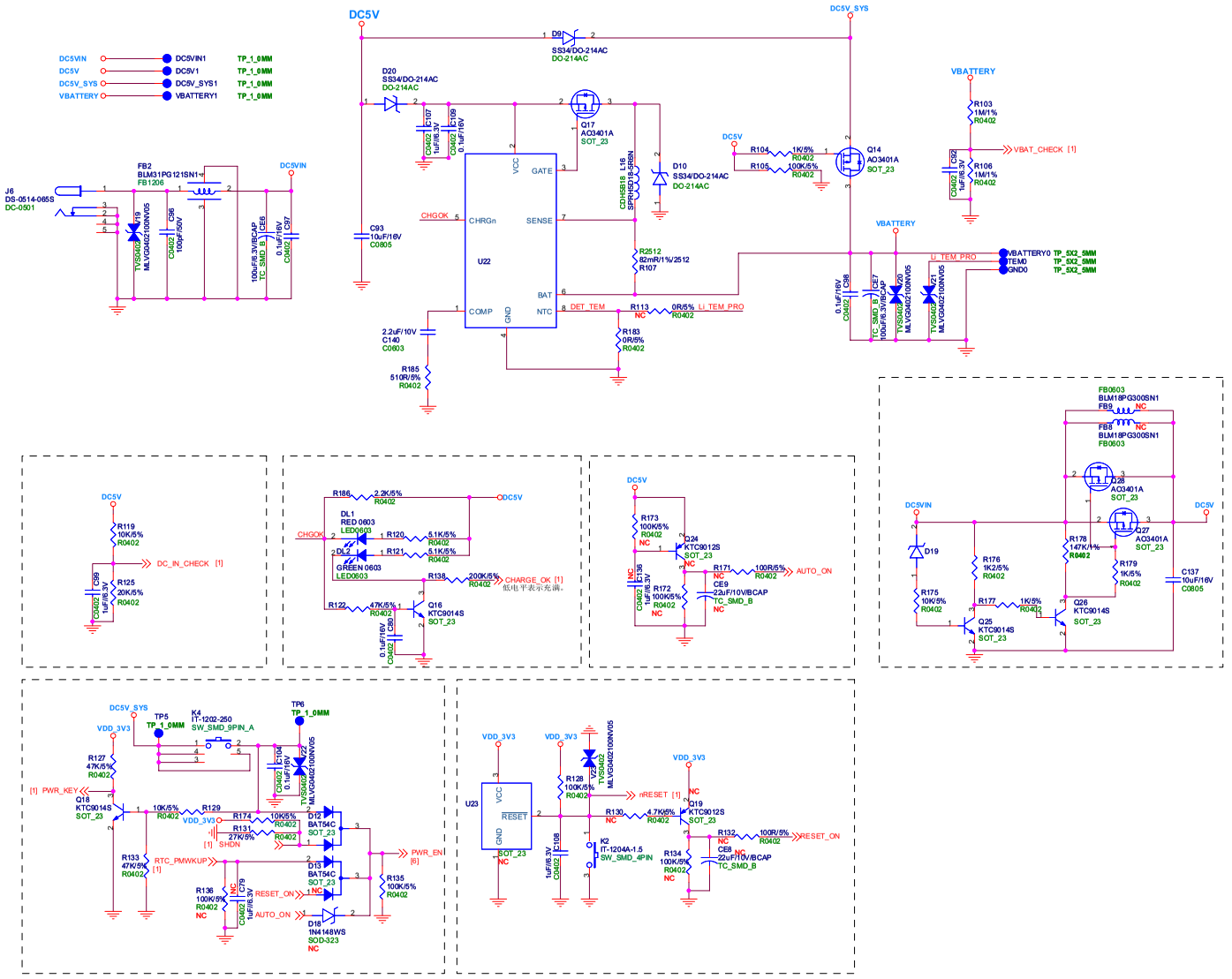


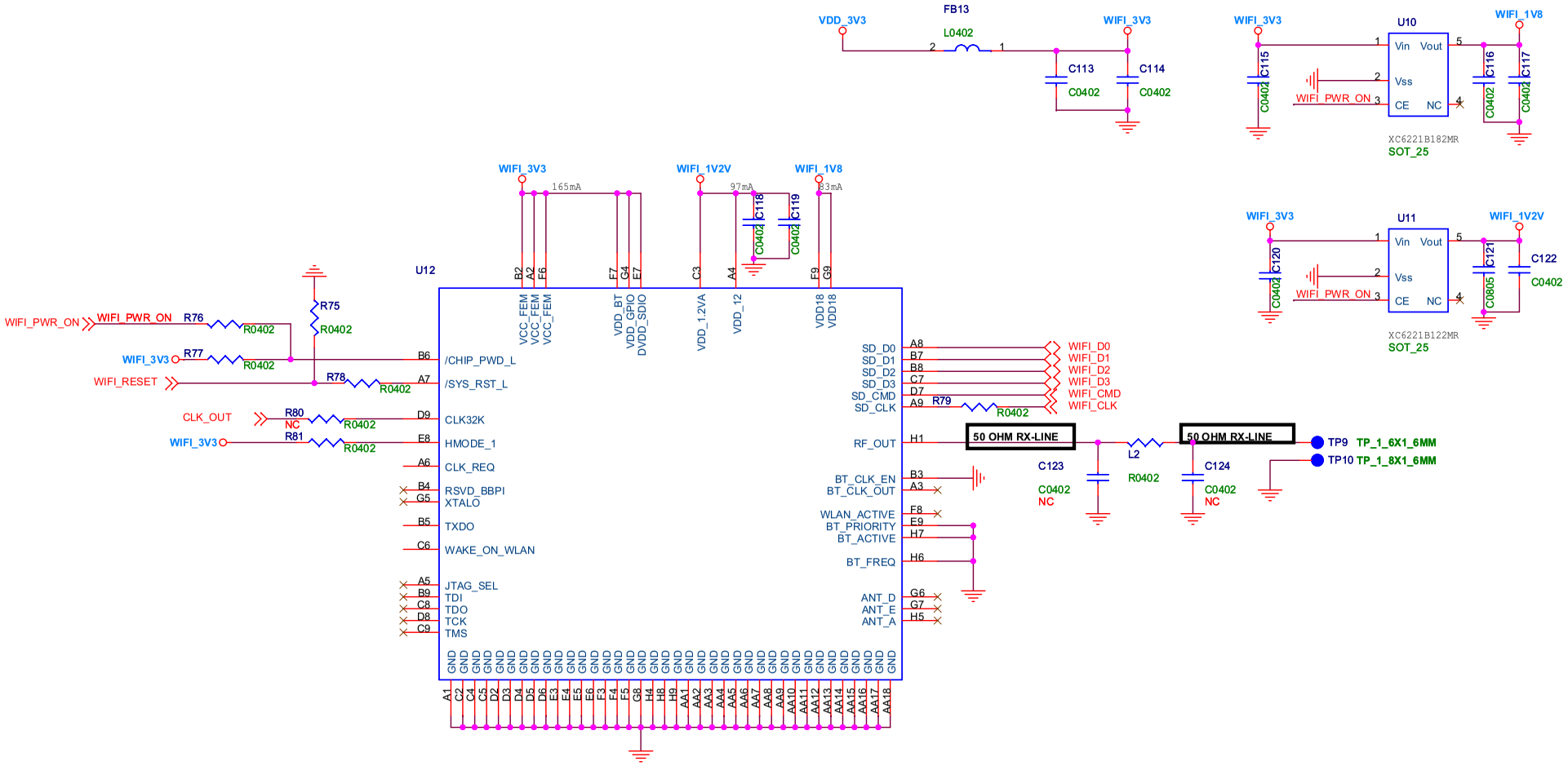






CHARGE


DC5V
DC5V_SYS
VBATTERY
DC5VIN
DC5VIN1
DC5V1
DC5V_SYS1
VBATTERY1
TP_1_0MM
D9
SS34/DO-214AC
D20
SS34/DO-214AC
Q17
AO3401A
SOT_23
D10
SS34/DO-214AC
Q14
AO3401A
SOT_23
FB2
BLM31PG121SN1
FB1206
J6
DS-0514-06SS
DC-0501
U22
VCC
GATE
SENSE
CHRGn
CHGOK
BAT
COMP
GND
NTC
DET_TEM
LI_TEM_PRO
VBATTERY0
TEMD
GND0
TP_5X2_5MM
R103
1M/1%
R0402
R104
1K/5%
R105
100K/5%
R106
1M/1%
R107
2512
82mR/1%/2512
R113
0R/5%
NC
R183
0R/5%
R185
510R/5%
C93
10uF/16V
C0805
C140
2.2uF/10V
C0603
VBAT_CHECK [1]
DC_IN_CHECK [1]
R119
10K/5%
R125
20K/5%
R186
2.2K/5%
DL1
RED 0603
LED0603
DL2
GREEN 0603
LED0603
R120
5.1K/5%
R121
5.1K/5%
R138
200K/5%
CHARGE_OK [1]
低电平表示充满。
R122
47K/5%
Q16
KTC9014S
SOT_23
R173
100K/5%
Q24
KTC9012S
SOT_23
R171
100R/5%
AUTO_ON
R172
100K/5%
CE9
22uF/10V/BCAP
TC_SMD_B
FB0603
BLM18PG300SN1
FB5
FB6
Q28
AO3401A
SOT_23
Q27
AO3401A
SOT_23
D19
R176
1K2/5%
R175
10K/5%
R177
1K/5%
Q25
KTC9014S
SOT_23
Q26
KTC9014S
SOT_23
R178
147K/1%
R179
1K/5%
C137
10uF/16V
C0805
DC5V_SYS
TP5
TP6
K4
IT-1202-250
SW_SMD_9PIN_A
R127
47K/5%
[1] PWR_KEY
Q18
KTC9014S
SOT_23
R129
10K/5%
R174
10K/5%
R131
27K/5%
[1] SHDN
D12
BAT54C
SOT_23
D13
BAT54C
SOT_23
D18
1N4148WS
SOD-323
R133
47K/5%
[1] RTC_PWMKUP
R136
100K/5%
R135
100K/5%
PWR_EN [6]
RESET_ON
AUTO_ON
U23
RESET
R126
100K/5%
nRESET [1]
R130
4.7K/5%
Q19
KTC9012S
SOT_23
R132
100R/5%
R134
100K/5%
K2
IT-1204A-1.5
SW_SMD_4PIN


VDD_3V3
FB13
L0402
WIFI_3V3
C113
C0402
C114
C0402
WIFI_3V3
U10
WIFI_1V8
Vin
Vout
Vss
CE
NC
WIFI_PWR_ON
C115
C0402
C116
C0402
C117
C0402
XC6221B182MR
SOT_25
WIFI_3V3
165mA
WIFI_1V2V
97mA
WIFI_1V8
83mA
C118
C0402
C119
C0402
U11
WIFI_3V3
WIFI_1V2V
C120
C0402
C121
C0805
C122
C0402
XC6221B122MR
SOT_25
U12
WIFI_PWR_ON
R76
R0402
R75
R0402
WIFI_3V3
R77
R0402
WIFI_RESET
R78
R0402
CLK_OUT
R80
NC
R0402
WIFI_3V3
R81
R0402
/CHIP_PWD_L
/SYS_RST_L
CLK32K
HMODE_1
CLK_REQ
RSVD_BBPI
XTALO
TXDO
WAKE_ON_WLAN
JTAG_SEL
TDI
TDO
TCK
TMS
VCC_FEM
VCC_FEM
VCC_FEM
VDD_BT
VDD_GPIO
DVDD_SDIO
VDD_1.2VA
VDD_12
VDD18
VDD18
SD_D0
SD_D1
SD_D2
SD_D3
SD_CMD
SD_CLK
R79
R0402
WIFI_D0
WIFI_D1
WIFI_D2
WIFI_D3
WIFI_CMD
WIFI_CLK
RF_OUT
50 OHM RX-LINE
L2
R0402
50 OHM RX-LINE
TP9 TP_1_6X1_6MM
TP10 TP_1_8X1_6MM
C123
C0402
NC
C124
C0402
NC
BT_CLK_EN
BT_CLK_OUT
WLAN_ACTIVE
BT_PRIORITY
BT_ACTIVE
BT_FREQ
ANT_D
ANT_E
ANT_A
GND
A1 C2 C4 C5 D2 D3 D4 D5 D6 E3 E4 E5 E6 F3 F4 F5 G8 H4 H8 H9 AA1 AA2 AA3 AA4 AA5 AA6 AA7 AA8 AA9 AA10 AA11 AA12 AA13 AA14 AA15 AA16 AA17 AA18