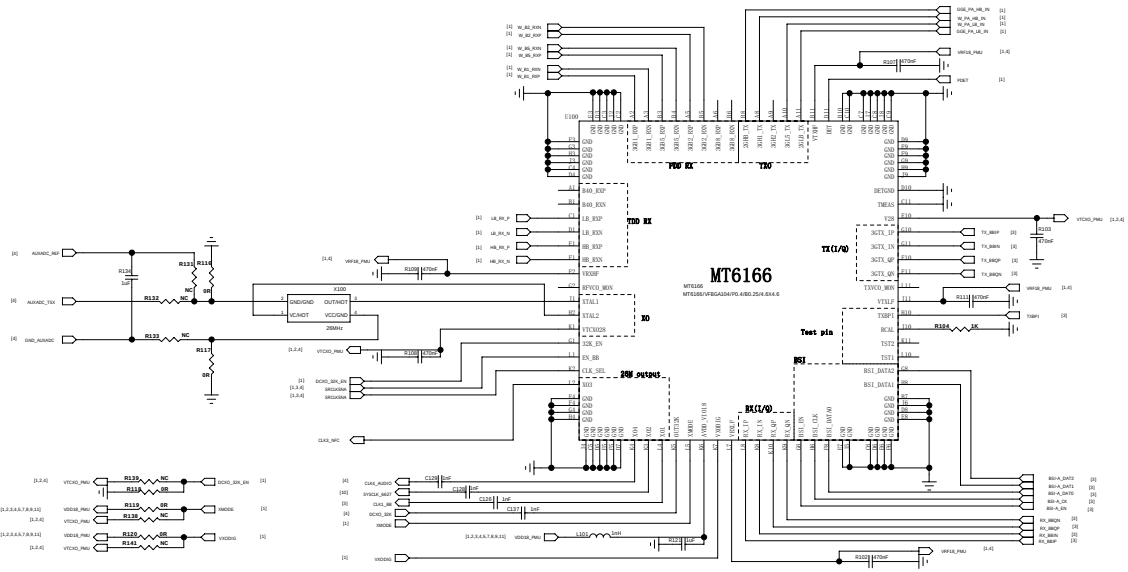
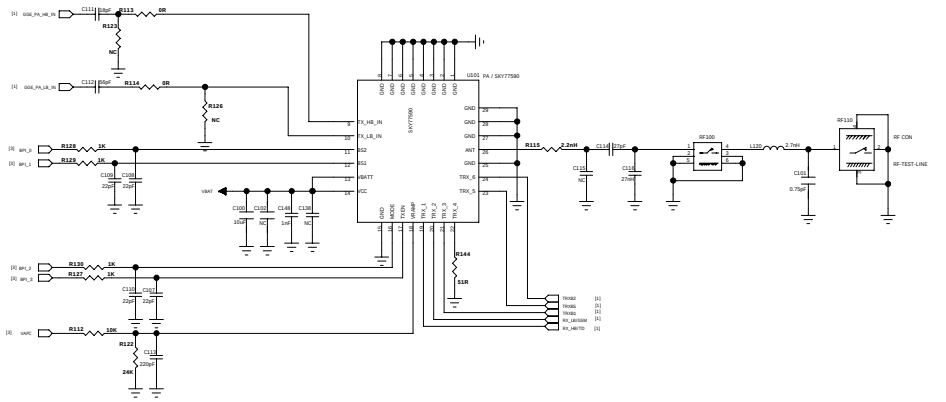
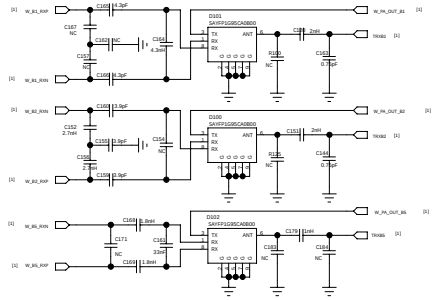
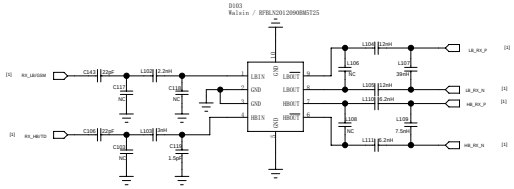
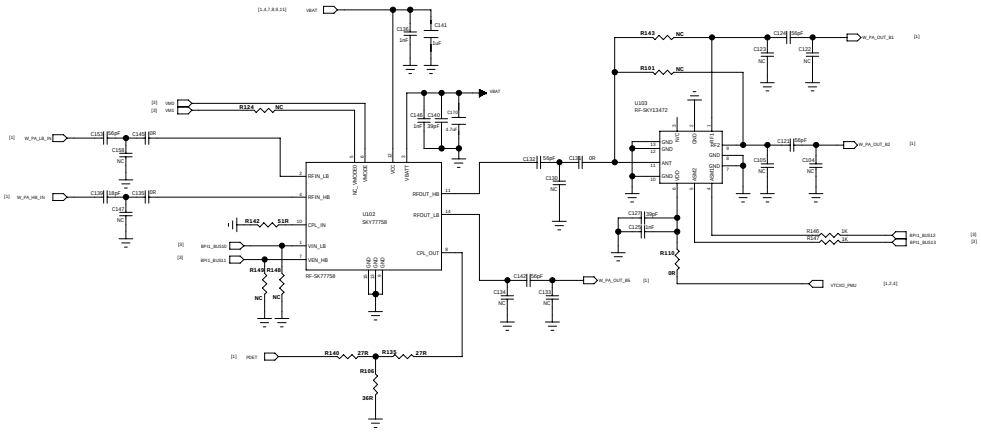
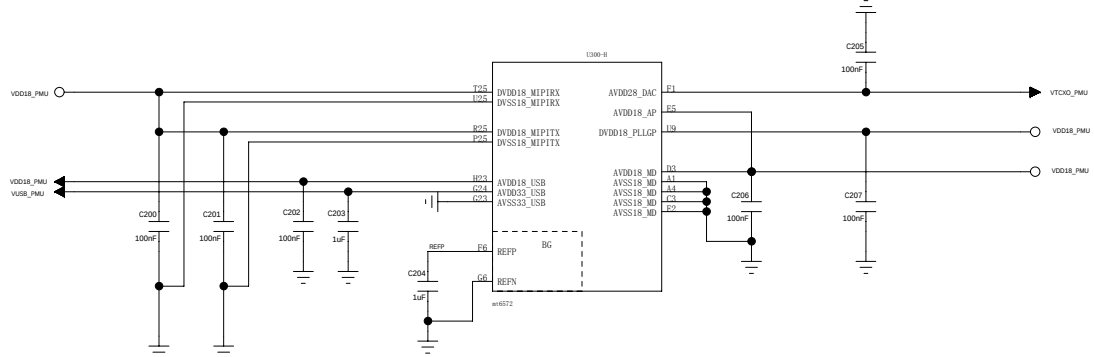

MT6166
MT6166/VFBGA104/PD-4/BD.25/4.6X4.6
U100
TDD RX
TDD TX
TX(I/Q)
RX(I/Q)
XO
PSI
Test pin
26M output
X100
26MHz

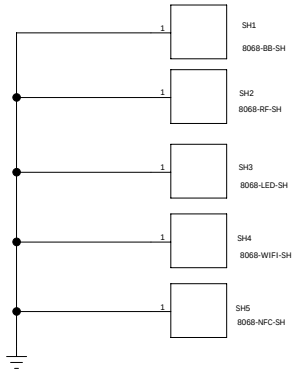

U103
PA / SKY77590
SKY77590

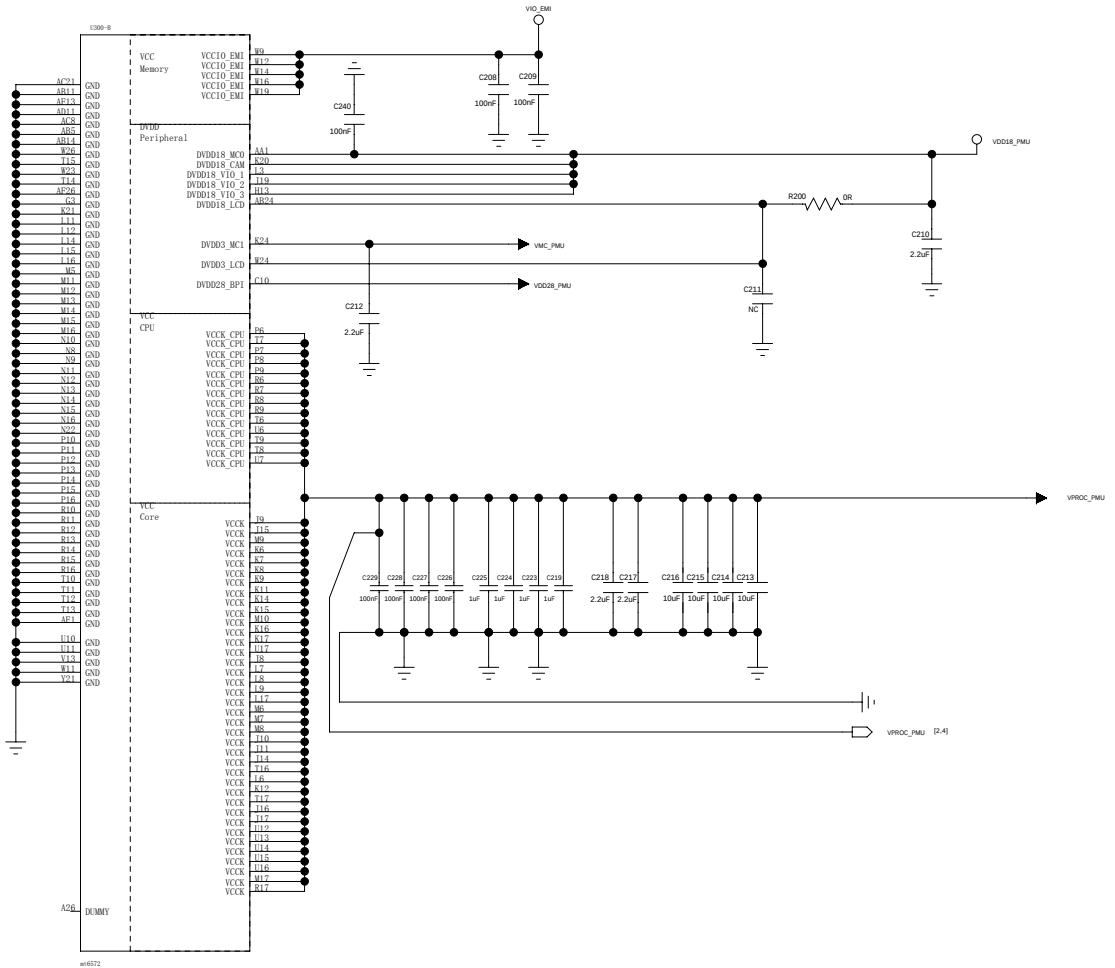

D103
SAYFP1G95CA0B00

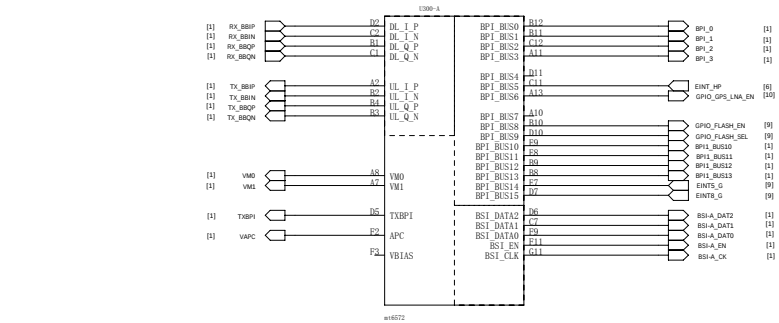

D103
Walsin / RFBLN2012090BBSTGS


U102
SKY77758
U103
RF-SKY13472

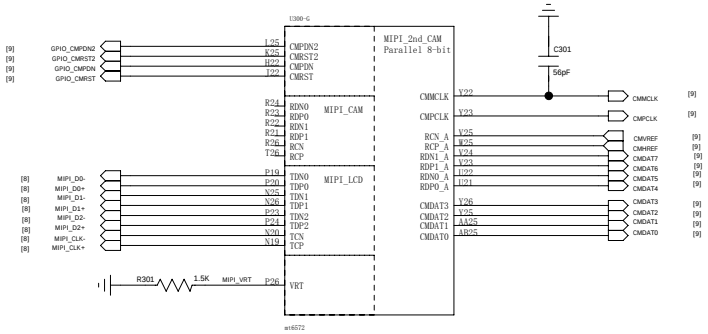

U300-H
VDD18_PMU
VUSB_PMU
T25
U25
DVDD18_MIPIRX
DVSS18_MIPIRX
R25
P25
DVDD18_MIPITX
DVSS18_MIPITX
H23
G24
G23
AVDD18_USB
AVDD33_USB
AVSS33_USB
AVDD28_DAC
AVDD18_AP
DVDD18_PLLGP
AVDD18_MD
AVSS18_MD
AVSS18_MD
AVSS18_MD
AVSS18_MD
F1
E5
U9
D3
A1
A4
C3
F2
REFP
REFN
BG
F6
G6
C200
C201
C202
C203
C204
C205
C206
C207
100nF
1uF
VTCXO_PMU
VDD18_PMU
VDD18_PMU
an6572

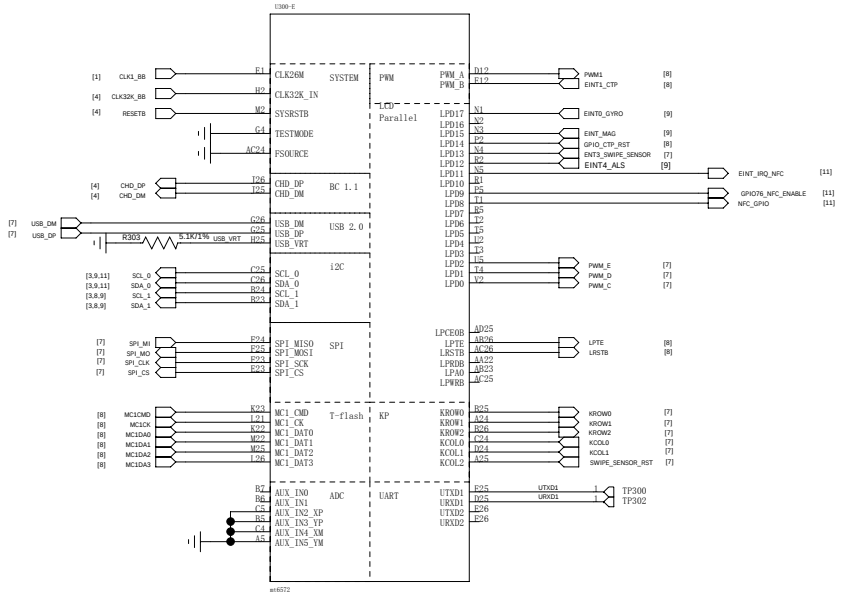

SH1
8068-BB-SH
SH2
8068-RF-SH
SH3
8068-LED-SH
SH4
8068-WIFI-SH
SH5
8068-NFC-SH

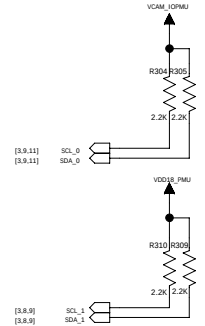

U300-H
VIO_EMI
VCC
Memory
VCCIO_EMI
DVDD
Peripheral
DVDD18_MCO
DVDD18_CAM
DVDD18_VIO_1
DVDD18_VIO_2
DVDD18_VIO_3
DVDD18_LCD
DVDD3_MC1
DVDD3_LCD
DVDD28_BPI
VCC
CPU
VCCK_CPU
VCC
Core
VCCK
DUMMY
GND
C240
C208
C209
C210
C211
C212
R200
0R
NC
2.2uF
100nF
VDD18_PMU
VMC_PMU
VDD28_PMU
VPROC_PMU
VPROC_PMU [2,4]
C229
C228
C227
C226
C225
C224
C223
C219
C218
C217
C216
C215
C214
C213
1uF
10uF
an6572

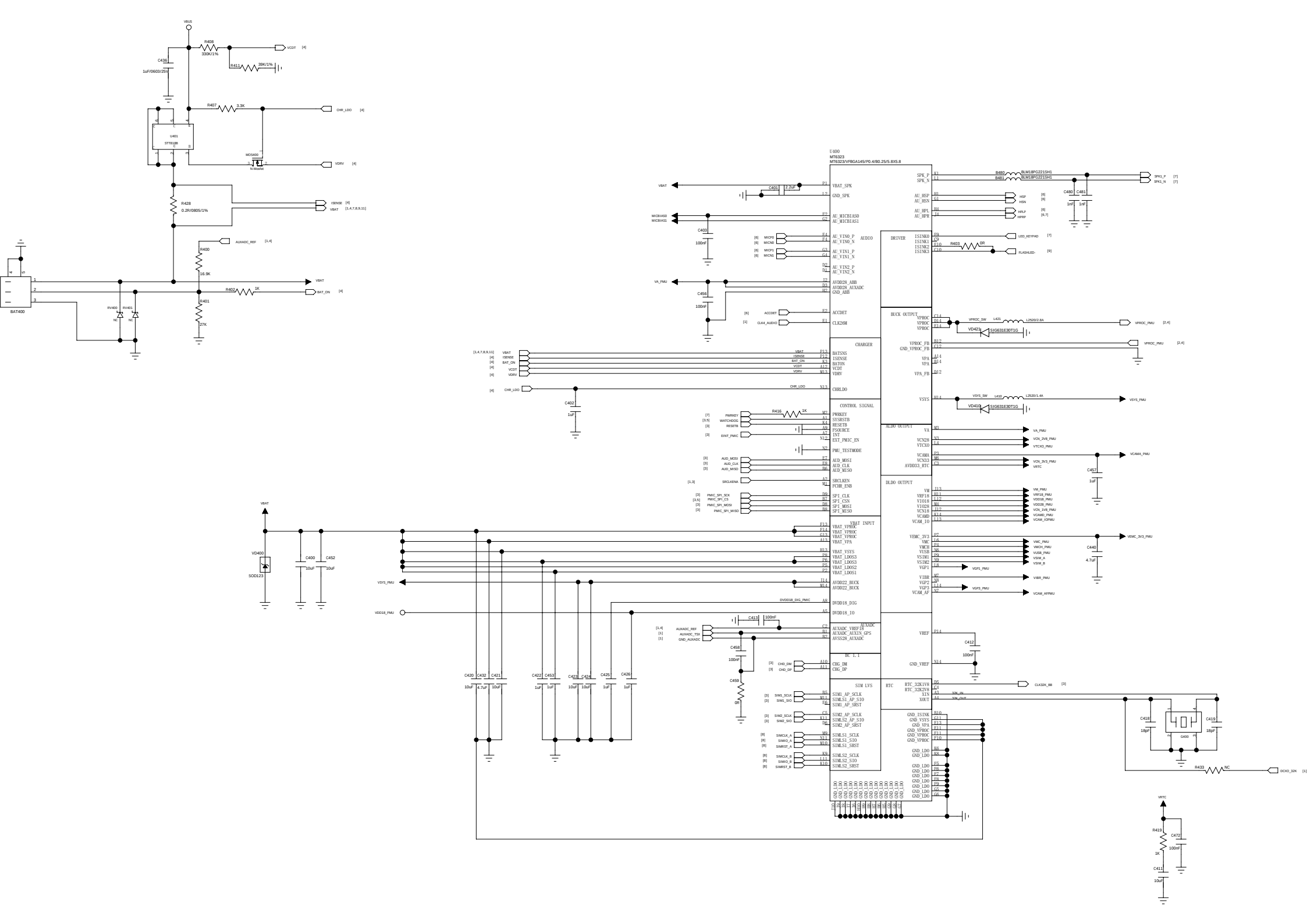

U300-A
RX_BBIP
RX_BBIN
RX_BBQP
RX_BBQN
TX_BBIP
TX_BBIN
TX_BBQP
TX_BBQN
VM0
VM1
TXBPI
VAPC
DL_I_P
DL_I_N
DL_Q_P
DL_Q_N
UL_I_P
UL_I_N
UL_Q_P
UL_Q_N
VM0
VM1
TXBPI
APC
VBIAS
BPI_BUS0
BPI_BUS1
BPI_BUS2
BPI_BUS3
BPI_BUS4
BPI_BUS5
BPI_BUS6
BPI_BUS7
BPI_BUS8
BPI_BUS9
BPI_BUS10
BPI_BUS11
BPI_BUS12
BPI_BUS13
BPI_BUS14
BPI_BUS15
BSI_DATA2
BSI_DATA1
BSI_DATA0
BSI_EN
BSI_CLK
BPI_0
BPI_1
BPI_2
BPI_3
EINT_HP
GPIO_GPS_LNA_EN
GPIO_FLASH_EN
GPIO_FLASH_SEL
BPI1_BUS10
BPI1_BUS11
BPI1_BUS12
BPI1_BUS13
EINT5_G
EINT8_G
BSI-A_DAT2
BSI-A_DAT1
BSI-A_DAT0
BSI-A_EN
BSI-A_CK
mt6572

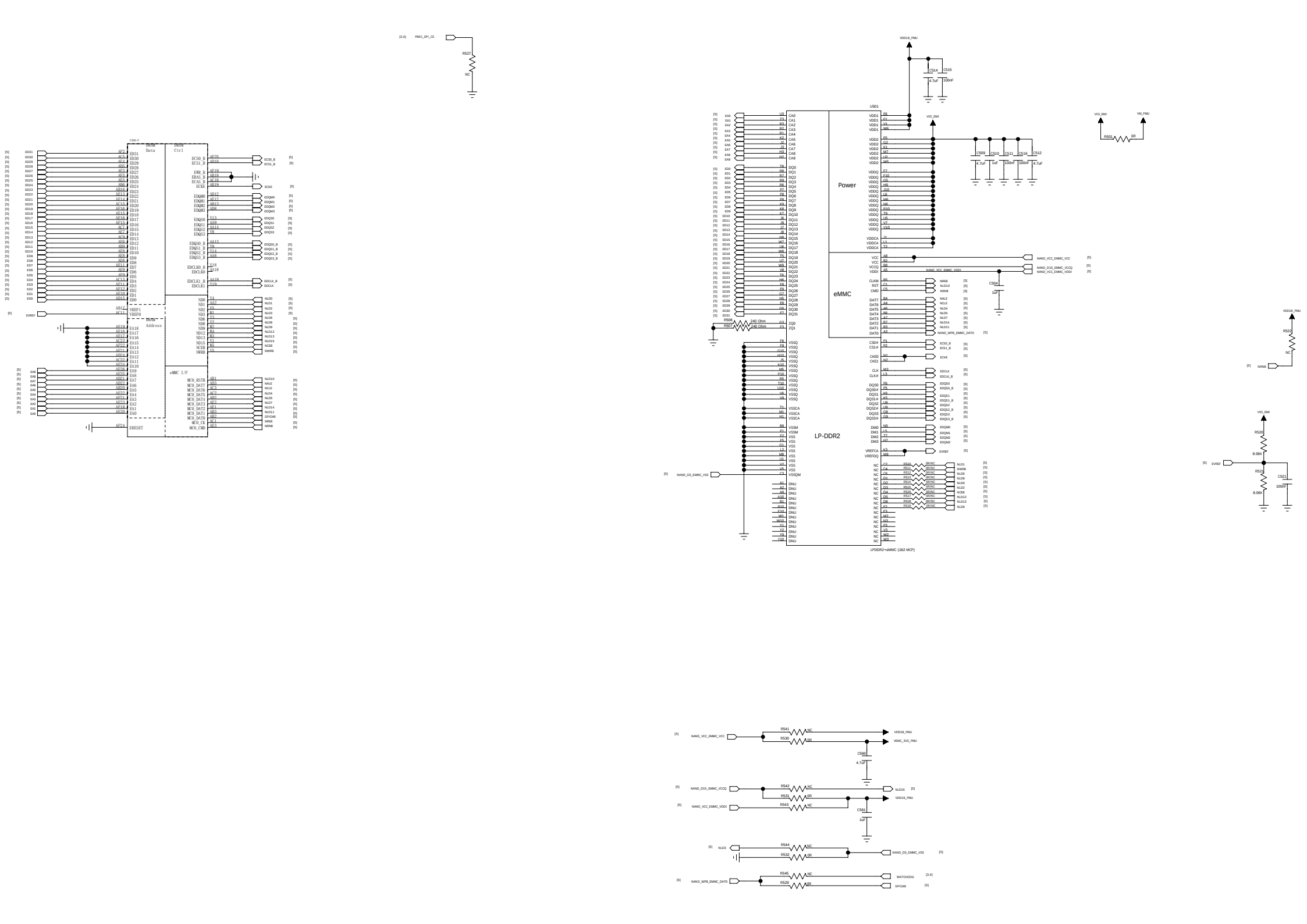

U300-D
AUD_MISO
AUD_CLK
AUD_MOSI
PMIC_SPI_MOSI
PMIC_SPI_MISO
PMIC_SPI_SCK
PMIC_SPI_CS
WATCHDOG
SRCLKENA
EINT_PMIC
SIM1_SCLK
SIM1_SIO
SIM2_SCLK
SIM2_SIO
AUD_DAT_MISO
AUD_CLK_MOSI
AUD_DAT_MOSI
PMIC_SPI_MOSI
PMIC_SPI_MISO
PMIC_SPI_SCK
PMIC_SPI_CSN
WATCHDOG
SRCLKENA
EINTX
SIM1_SCLK
SIM1_SIO
SIM2_SCLK
SIM2_SIO
mt6572
VDD18_PMU
R320
NC
SIM2_SCLK

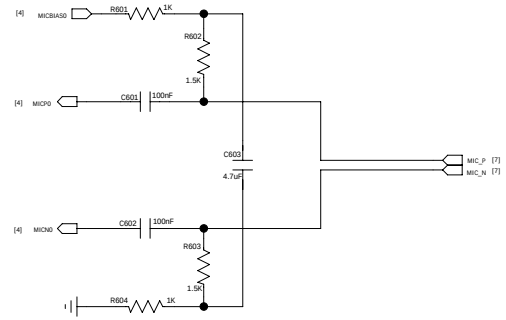

U300-G
GPIO_CMPDN2
GPIO_CMRST2
GPIO_CMPDN
GPIO_CMRST
CMPDN2
CMRST2
CMPDN
CMRST
MIPI_2nd_CAM
Parallel 8-bit
MIPI_CAM
RDN0
RDP0
RDN1
RDP1
RCN
RCP
CMMCLK
CMPCLK
RCN_A
RCP_A
RDN1_A
RDP1_A
RDN0_A
RDP0_A
CMDAT7
CMDAT6
CMDAT5
CMDAT4
CMDAT3
CMDAT2
CMDAT1
CMDAT0
CMVREF
CMHREF
C301
56pF
MIPI_D0-
MIPI_D0+
MIPI_D1-
MIPI_D1+
MIPI_D2-
MIPI_D2+
MIPI_CLK-
MIPI_CLK+
MIPI_LCD
TDN0
TDP0
TDN1
TDP1
TDN2
TDP2
TCN
TCP
R301
1.5K
MIPI_VRT
VRT
mt6572

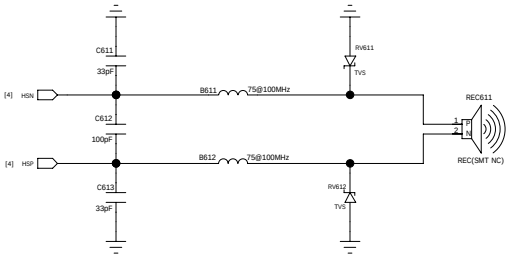

U300-E
CLK1_BB
CLK32K_BB
RESETB
CLK26M
CLK32K_IN
SYSRSTB
TESTMODE
FSOURCE
SYSTEM
CHD_DP
CHD_DM
BC 1.1
USB_DM
USB_DP
USB_VRT
USB 2.0
R303
5.1K/1%
SCL_0
SDA_0
SCL_1
SDA_1
i2C
SPI_MI
SPI_MO
SPI_CLK
SPI_CS
SPI_MISO
SPI_MOSI
SPI_SCK
SPI_CS
SPI
MC1CMD
MC1CK
MC1DA0
MC1DA1
MC1DA2
MC1DA3
MC1_CMD
MC1_CK
MC1_DAT0
MC1_DAT1
MC1_DAT2
MC1_DAT3
T-flash
AUX_IN0
AUX_IN1
AUX_IN2_XP
AUX_IN3_YP
AUX_IN4_XM
AUX_IN5_YM
ADC
PWM
PWM_A
PWM_B
LCD
Parallel
LPD17
LPD16
LPD15
LPD14
LPD13
LPD12
LPD11
LPD10
LPD9
LPD8
LPD7
LPD6
LPD5
LPD4
LPD3
LPD2
LPD1
LPD0
LPCE0B
LPTE
LRSTB
LPRDB
LPA0
LPWRB
KP
KROW0
KROW1
KROW2
KCOL0
KCOL1
KCOL2
UART
UTXD1
URXD1
UTXD2
URXD2
PWM1
EINT1_CTP
EINT0_GYRO
EINT_MAG
GPIO_CTP_RST
ENT3_SWIPE_SENSOR
EINT4_ALS
EINT_IRQ_NFC
GPIO76_NFC_ENABLE
NFC_GPIO
PWM_E
PWM_D
PWM_C
SWIPE_SENSOR_RST
TP300
TP302
mt6572

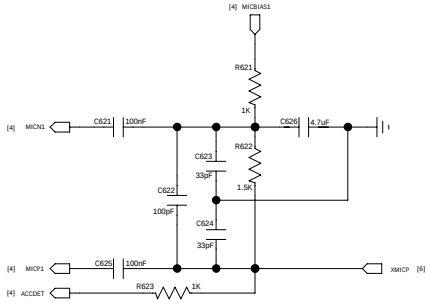

VCAM_IOPMU
R304
R305
2.2K
2.2K
SCL_0
SDA_0
VDD18_PMU
R310
R309
2.2K
2.2K
SCL_1
SDA_1

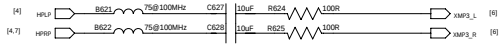

VBUS
R408
339K/1%
VCDT [4]
C436
1uF/0603/25V
R411
39K/1%
R407
3.3K
CHR_LDO [4]
U401
STT818B
MOS400
N-MosfM
VDRV [4]
R428
0.2R/0805/1%
ISENSE [4]
VBAT [1,4,7,8,9,11]
AUXADC_REF [1,4]
R400
16.9K
R402
1K
BAT_ON [4]
R401
27K
BAT400
RV400
RV401
NC
U400
MT6323
MT6323/VFBGA145/P0.4/B0.25/5.8X5.8
VBAT_SPK
GND_SPK
C401
2.2uF
AU_MICBIAS0
AU_MICBIAS1
C403
100nF
AU_VIN0_P
AU_VIN0_N
AU_VIN1_P
AU_VIN1_N
AU_VIN2_P
AU_VIN2_N
AUDIO
VA_PMU
C456
100nF
AVDD28_ABB
AVDD28_AUXADC
GND_ABB
ACCDET
CLK26M
CHARGER
BATSNS
ISENSE
BATON
VCDT
VDRV
CHRLDO
C402
1uF
CONTROL SIGNAL
R416
1K
PWRKEY
SYSRSTB
RESETB
FSOURCE
INT
EXT_PMIC_EN
PMU_TESTMODE
AUD_MOSI
AUD_CLK
AUD_MISO
SRCLKEN
FCHR_ENB
SPI_CLK
SPI_CSN
SPI_MOSI
SPI_MISO
VBAT INPUT
VBAT_VPROC
VBAT_VPROC
VBAT_VPROC
VBAT_VPA
VBAT_VSYS
VBAT_LDOS3
VBAT_LDOS3
VBAT_LDOS2
VBAT_LDOS1
AVDD22_BUCK
AVDD22_BUCK
DVDD18_DIG_PMIC
DVDD18_DIG
DVDD18_IO
AUXADC
AUXADC_VREF18
AUXADC_AUXIN GPS
AVSS28_AUXADC
C413
100nF
C458
100nF
C459
0R
CHG_DM
CHG_DP
SIM LVS
SIM1_AP_SCLK
SIM1_AP_SIO
SIM1_AP_SRST
SIM2_AP_SCLK
SIM2_AP_SIO
SIM2_AP_SRST
SIM1_SCLK
SIM1_SIO
SIM2_SCLK
SIM2_SIO
SIMCLK_A
SIMIO_A
SIMRST_A
SIMCLK_B
SIMIO_B
SIMRST_B
SIM1_MD_SCLK
SIM1_MD_SIO
SIM1_MD_SRST
SIM2_MD_SCLK
SIM2_MD_SIO
SIM2_MD_SRST
DRIVER
LED_KEYPAD
FLASHLED-
R403
0R
BUCK OUTPUT
VPROC_SW
L421
L2520/2.8A
VD425
SIG631E30T1G
VPROC_FB
GND_VPROC_FB
VPROC_PMU
VPA
VPA_FB
VSYS_SW
L410
L2520/1.4A
VD410
VSYS_PMU
ALDO OUTPUT
VA
VA_PMU
VCN28
VTCXO
VCN_2V8_PMU
VTCXO_PMU
VCAMA
VCN33
AVDD33_RTC
VCAMA_PMU
VCN_3V3_PMU
VRTC
C457
1uF
DLDO OUTPUT
VM
VREF18
VIO18
VIO28
VCN18
VCAMD
VCAM_IO
VM_PMU
VREF18_PMU
VIO18_PMU
VIO28_PMU
VCN_1V8_PMU
VCAMD_PMU
VCAM_IOPMU
VEMC_3V3
VMC
VMCH
VUSB
VSIM1
VSIM2
VGP1
VIBR
VGP2
VGP3
VCAM_AF
VEMC_3V3_PMU
VMC_PMU
VMCH_PMU
VUSB_PMU
VSIM_A
VSIM_B
VGP1_PMU
VIBR_PMU
VGP3_PMU
VCAM_AFPMU
C440
4.7uF
VREF
C412
100nF
GND_VREF
RTC
RTC_32K1V8
RTC_32K2V8
XIN
XOUT
CLK32K_BB
32K_IN
32K_OUT
C418
18pF
C419
18pF
G400
R433
NC
DCXO_32K
GND_1SINK
GND_VSYS
GND_VPA
GND_VPROC
GND_VPROC
GND_LDO
GND_LDO
GND_LDO

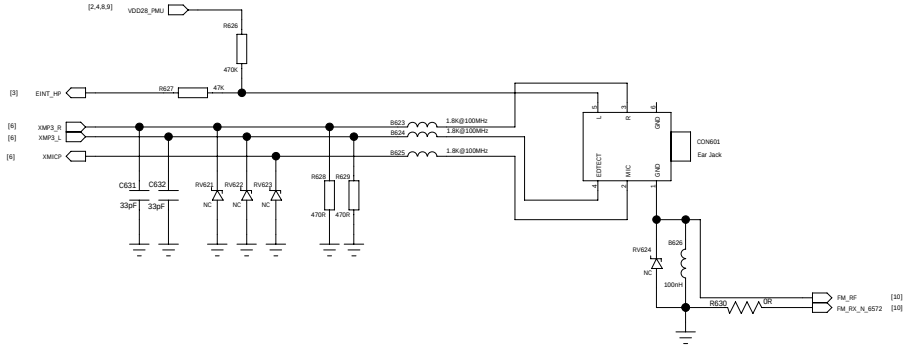

PMIC_SPI_CS
RS27
NC
LPDDR2+eMMC (162 MCP)
Power
eMMC
LP-DDR2
VDD18_PMU
VIO_EMI
VM_PMU
WATCHDOG
GPIO46

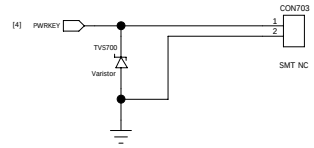

[4] MICBIAS0
R601
1K
R602
1.5K
[4] MICP0
C601
100nF
C603
4.7uF
MIC_P [7]
MIC_N [7]
[4] MICN0
C602
100nF
R603
1.5K
R604
1K

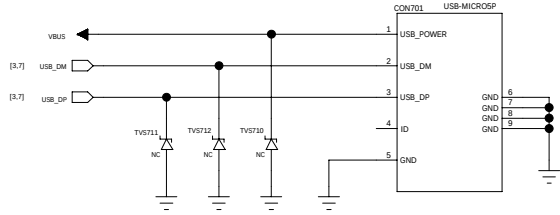

C611
33pF
RV611
TVS
[4] HSN
B611
75@100MHz
REC611
C612
100pF
[4] HSP
B612
75@100MHz
REC(SMT NC)
C613
33pF
RV612
TVS


[4] MICBIAS1
R621
1K
[4] MICN1
C621
100nF
C626
4.7uF
C623
33pF
R622
1.5K
C622
100pF
C624
33pF
[4] MICP1
C625
100nF
XMICP [6]
[4] ACCDET
R623
1K

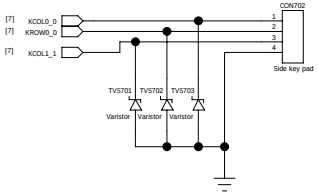

[4] HPLP
B621
75@100MHz
C627
10uF
R624
100R
XMP3_L [6]
[4,7] HPRP
B622
75@100MHz
C628
10uF
R625
100R
XMP3_R [6]

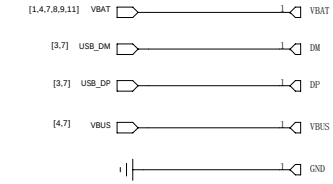

[2,4,8,9] VDD28_PMU
R626
470K
[3] EINT_HP
R627
47K
[6] XMP3_R
[6] XMP3_L
[6] XMICP
B623
B624
B625
1.8K@100MHz
1.8K@100MHz
1.8K@100MHz
CON601
Ear Jack
GND
MIC
EDTECT
C631
33pF
C632
33pF
RV621
RV622
RV623
NC
NC
NC
R628
R629
470R
470R
RV624
NC
B626
100nH
R630
0R
FM_RF [10]
FM_RX_N_6572 [10]

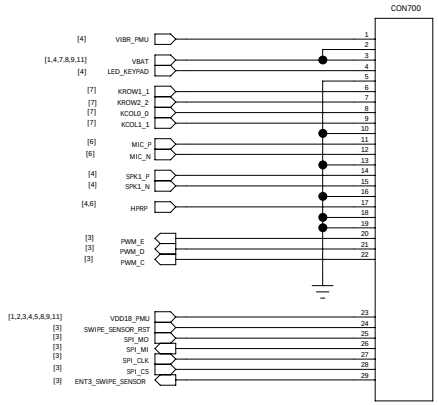

[4] PWRKEY
TVS700
Varistor
CON703
1
2
SMT NC


CON701
USB-MICRO5P
VBUS
[3,7] USB_DM
[3,7] USB_DP
TVS711
TVS712
TVS710
NC
NC
NC
1 USB_POWER
2 USB_DM
3 USB_DP
4 ID
5 GND
GND 6
GND 7
GND 8
GND 9

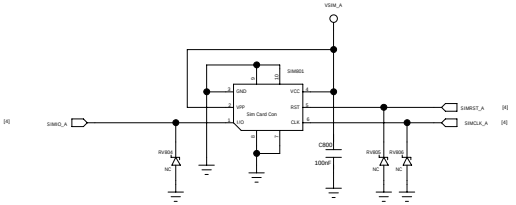

[3] KCOL0
[3] KCOL1
[3] KROW0
[3] KROW1
[3] KROW2
R714 1K
R712 1K
R715 1K
R716 1K
R717 1K
KCOL0_0 [7]
KCOL1_1 [7]
KROW0_0 [7]
KROW1_1 [7]
KROW2_2 [7]

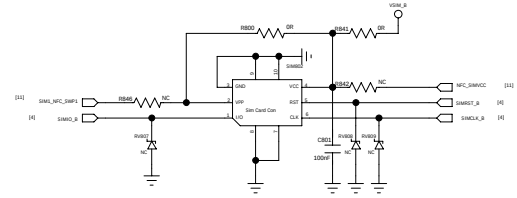

[7] KCOL0_0
[7] KROW0_0
[7] KCOL1_1
CON702
1
2
3
4
Side key pad
TVS701
TVS702
TVS703
Varistor
Varistor
Varistor

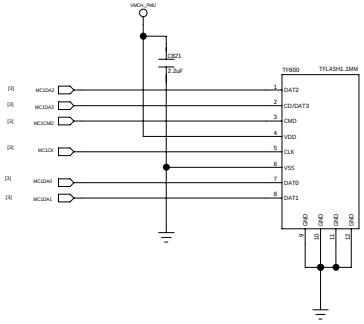

[1,4,7,8,9,11] VBAT
VBAT
[3,7] USB_DM
DM
[3,7] USB_DP
DP
[4,7] VBUS
VBUS
GND

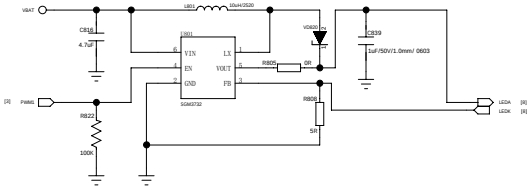

CON700
[4] VIBR_PMU
[1,4,7,8,9,11] VBAT
[4] LED_KEYPAD
[7] KROW1_1
[7] KROW2_2
[7] KCOL0_0
[7] KCOL1_1
[6] MIC_P
[6] MIC_N
[4] SPK1_P
[4] SPK1_N
[4,6] HPRF
[3] PWM_E
[3] PWM_D
[3] PWM_C
[1,2,3,4,5,8,9,11] VDD18_PMU
[3] SWIPE_SENSOR_RST
[3] SPI_MO
[3] SPI_MI
[3] SPI_CLK
[3] SPI_CS
[3] ENT3_SWIPE_SENSOR

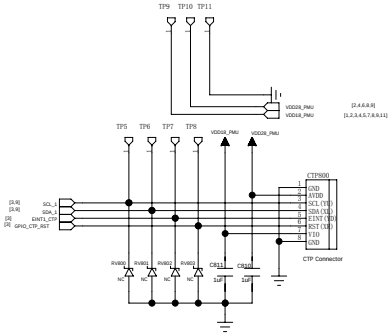

MARK1
MARKD3MM
MARK2
MARKD3MM
MARK3
MARKD3MM
MARK4
MARKD3MM

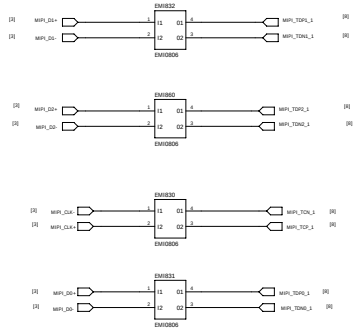

VSIM_A
SIM801
Sim Card Con
SIMIO_A
SIMRST_A
SIMCLK_A
C800
100nF
RV804
RV802
RV806
NC

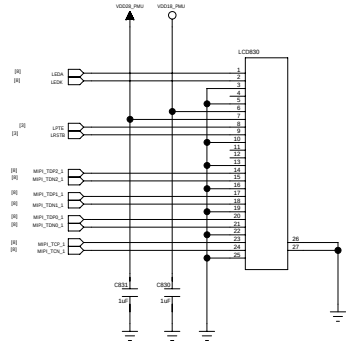

VSIM_B
R800
0R
R841
0R
SIM802
Sim Card Con
SIMIO_B
SIMRST_B
SIMCLK_B
NFC_SIMVCC
SIM1_NFC_SWP1
R846
NC
C801
100nF
RV803
RV801
RV805
RV807

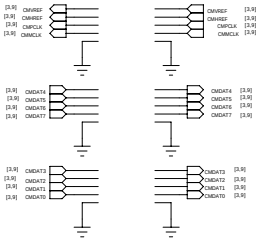

VMCH_PMU
C821
2.2uF
TF800
TFLASH1.1MM
MC1DAT2
MC1DAT3
MC1CMD
MC1CK
MC1DAT0
MC1DAT1
DAT2
CD/DAT3
CMD
VDD
CLK
VSS
DAT0
DAT1
GND

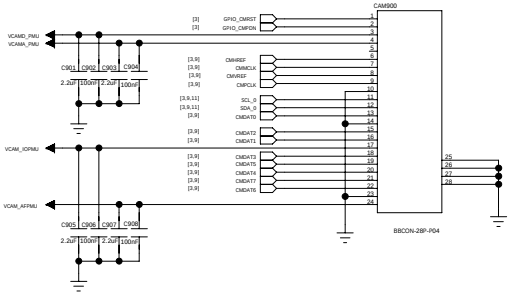

VBAT
C816
4.7uF
L801
10uH/0520
U801
VIN
EN
GND
LX
VOUT
FB
SGM3732
VDD20_PMU
CB39
1uF/50V/1.0mm/ 0603
R805
0R
R806
5R1
R822
100K
PWME
LEDA
LEDK

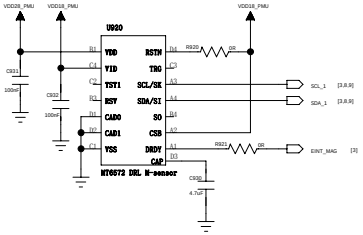

TP9
TP10
TP11
VDD28_PMU
VDD18_PMU
TP5
TP6
TP7
TP8
CTP800
GND
AVDD
SCL (TX)
SDA (RX)
EINT (TX)
RST (MI)
VIO
CTP Connector
RV800
RV801
CB11
CB10
1uF
NC

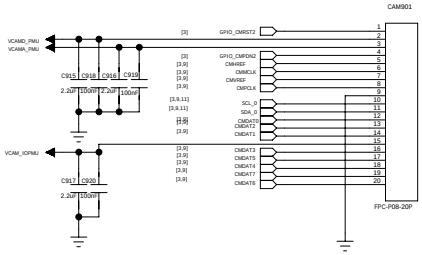

EMI832
EMI806
EMI860
EMI830
EMI831
MIPI_D1+
MIPI_D1-
MIPI_D2+
MIPI_D2-
MIPI_CLK+
MIPI_CLK-
MIPI_D0+
MIPI_D0-
MIPI_TDP1_1
MIPI_TDN1_1
MIPI_TDP2_1
MIPI_TDN2_1
MIPI_TCN_1
MIPI_TCP_1
MIPI_TDP0_1
MIPI_TDN0_1

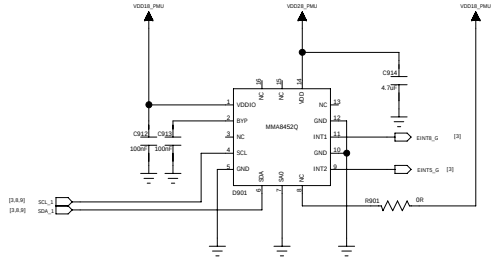

VDD28_PMU
VDD18_PMU
LCD830
LEDA
LEDK
LPTE
LRSTB
MIPI_TDP2_0
MIPI_TDN2_0
MIPI_TDP1_0
MIPI_TDN1_0
MIPI_TDP0_0
MIPI_TDN0_0
MIPI_TCP_0
MIPI_TCN_0
C831
C830
1uF

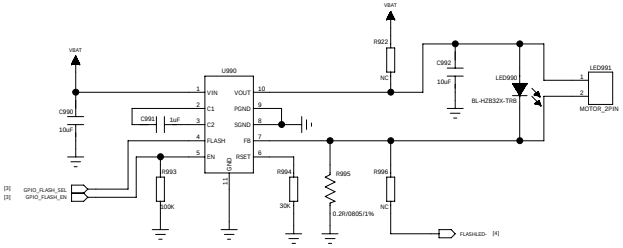

CMVREF
CMVREF
CMPCLK
CMMCLK
CMDAT4
CMDAT5
CMDAT6
CMDAT7
CMDAT3
CMDAT2
CMDAT1
CMDAT0

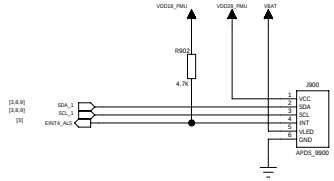

CAM900
VCAMD_PMU
VCAMA_PMU
VCAM_IOPMU
VCAM_AFPMU
GPIO_CMRST
GPIO_CMPDN
CMMCLK
CMPCLK
SCL_0
SDA_0
CMDAT0
CMDAT1
CMDAT2
CMDAT3
CMDAT4
CMDAT5
CMDAT6
CMDAT7
C901
C902
C903
C904
C905
C906
C907
C908
2.2uF
100nF
BBCON-28P-P04

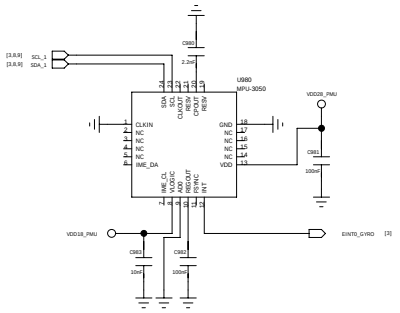

U920
VDD
VID
TST1
RSV
CAD0
CAD1
VSS
RSTN
TRG
SCL/SK
SDA/SI
SO
CSB
DRDY
CAP
MT6572 DXL M-sensor
R920
R921
0R
C931
C932
C933
4.7uF
SCL_1
SDA_1
EINT_MAG

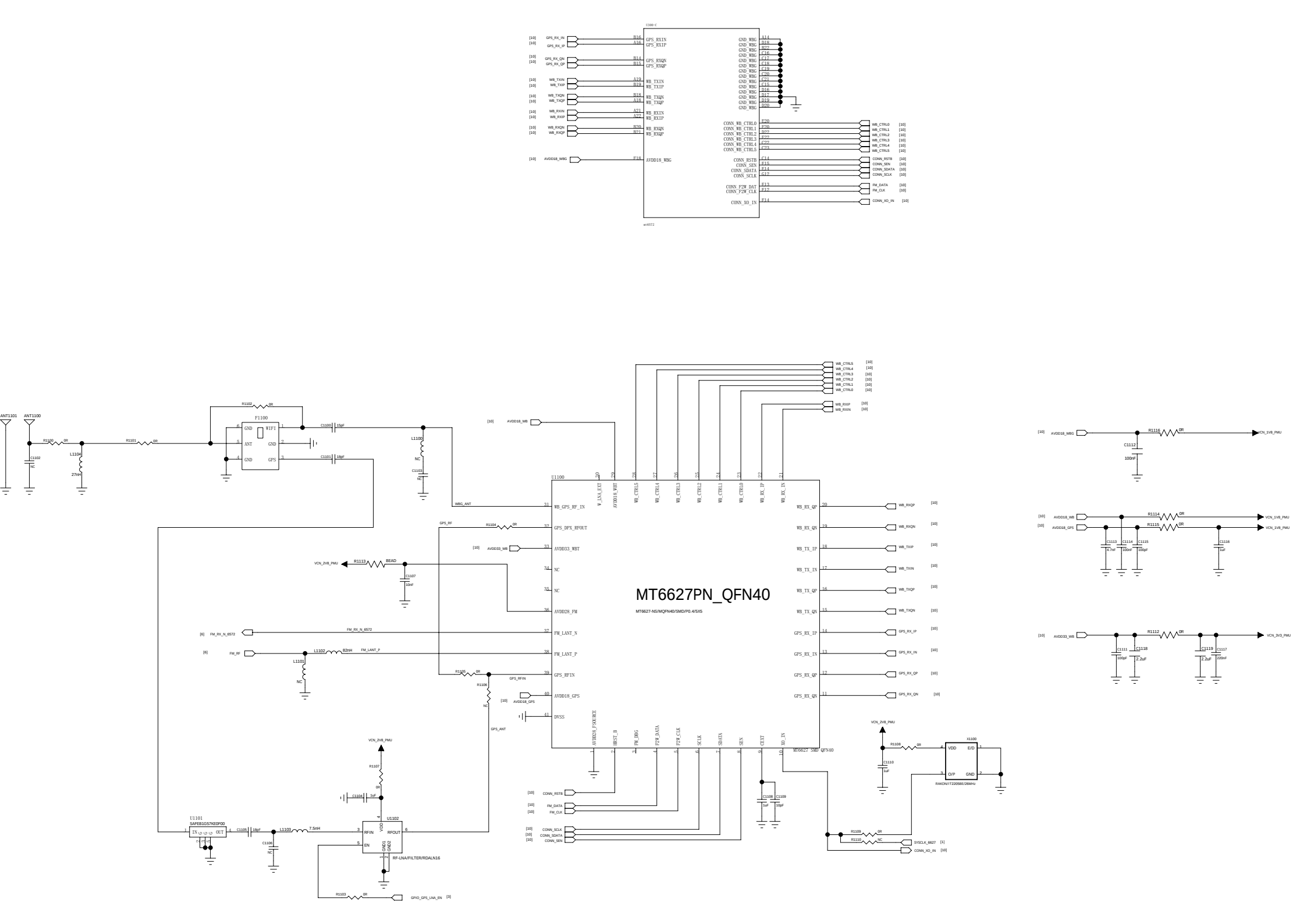

CAM901
VCAMD_PMU
VCAMA_PMU
VCAM_IOPMU
GPIO_CMRST2
GPIO_CMPDN2
CMMCLK
CMPCLK
SCL_0
SDA_0
CMDAT0
CMDAT1
CMDAT2
CMDAT3
CMDAT4
CMDAT5
CMDAT6
CMDAT7
C915
C916
C917
C918
C919
C920
2.2uF
100nF
FPC-P08-20P

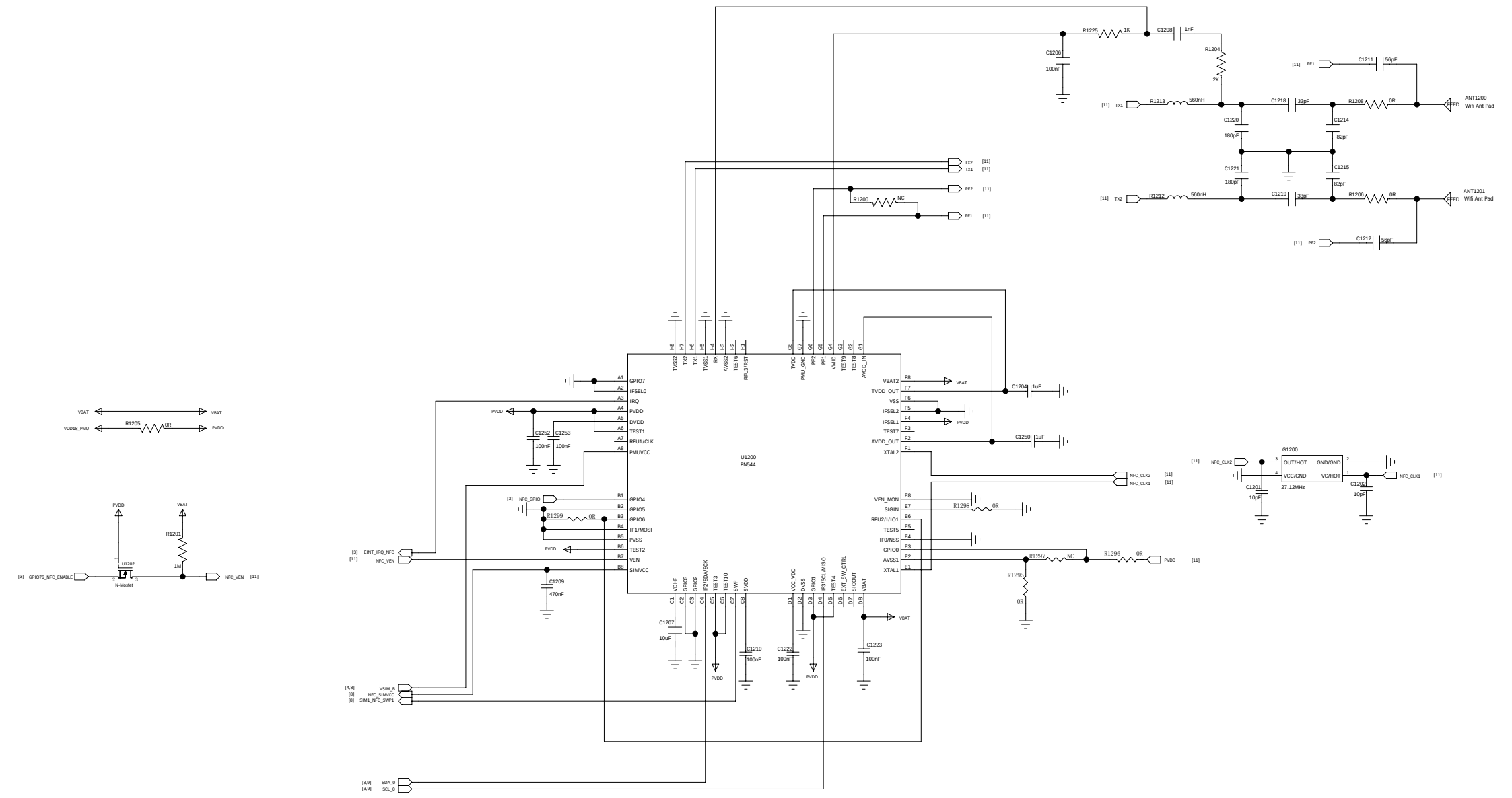

VDD18_PMU
VDD28_PMU
VDDIO
BYP
NC
SCL
SDA
GND
INT1
INT2
MMA8452Q
D901
C912
C913
C914
4.7UF
100nF
R901
0R
EINT8_G
EINT5_G
SCL_1
SDA_1


VBAT
U990
VIN
C1
C2
FLASH
EN
VOUT
PGND
SGND
FB
RSET
GND
C990
10uF
C991
1uF
R993
100K
R994
30K
R995
0.2R/0805/1%
R996
NC
R922
NC
C992
10uF
LED990
BL-HZB32X-TRB
LED991
MOTOR_2PIN
GPIO_FLASH_SEL
GPIO_FLASH_EN
FLASHLED
[4]


VDD18_PMU
VDD28_PMU
VBAT
R921
4.7K
J900
VCC
SDA
SCL
INT
VLED
GND
APDS_9900
SDA_1
SCL_1
EINT4_ALS


U980
MPU-3050
SDA
SCL
XCL
XDA
CLKIN
NC
IWE_DA
GND
VDD
IWE_CL
XDX/IC
XDY/IC
RSOUT
FSYNC
INT
C980
2.2nF
C981
100nF
C982
10nF
C983
100nF
VDD28_PMU
VDD18_PMU
EINT0_GYRO


MT6627PN_QFN40
MT6627-NS/MQFN40/SMD/P0.4/5X5
MT6627 SMD QFN40
U1100
F1100
U1101
U1102
X1100
RAKON/IT2205BE/26MHz
RF-LNA/FILTER/RDALN16
GPIO_GPS_LNA_EN
SYSCLK_6627
CONN_XO_IN
WB_GPS_RF_IN
GPS_DPS_RFOUT
AVDD33_WBT
FM_LANT_N
FM_LANT_P
GPS_RFIN
AVDD18_GPS
DVSS
WB_RXQP
WB_RXQN
WB_TXIP
WB_TXIN
WB_TXQP
WB_TXQN
GPS_RX_IP
GPS_RX_IN
GPS_RX_QP
GPS_RX_QN
CONN_RSTB
FM_DATA
FM_CLK
CONN_SCLK
CONN_SDATA
CONN_SEN
WB_CTRL5
WB_CTRL4
WB_CTRL3
WB_CTRL2
WB_CTRL1
WB_CTRL0
WB_RXIP
WB_RXIN
AVDD18_WB
VCN_2V8_PMU
VCN_1V8_PMU
VCN_3V3_PMU
GPS_RF
GPS_ANT
WBG_ANT
FM_RF
FM_RX_N_6572
L1100
L1101
L1102
L1103
L1104
ANT1101
ANT1100
7.5nH
82nH
27nH
BEAD


U1200
PN544
R1225 1K
C1208 1nF
C1206 100nF
R1204 2K
C1211 56pF
C1218 33pF
R1208 0R
ANT1200 Wifi Ant Pad
C1220 180pF
C1214 82pF
C1221 180pF
C1215 82pF
C1219 33pF
R1206 0R
ANT1201 Wifi Ant Pad
C1212 56pF
R1213 560nH
R1212 560nH
R1200 NC
C1204 1uF
C1250 1uF
R1298 0R
R1297 NC
R1296 0R
R1295 0R
R1299 0R
C1252 100nF
C1253 100nF
C1209 470nF
C1207 10uF
C1210 100nF
C1222 100nF
C1223 100nF
G1200
27.12MHz
C1201 10pF
C1202 10pF
R1205 0R
R1201 1M
U1202
N-Mosfet
VBAT
VDD18_PMU
PVDD
GPIO76_NFC_ENABLE
NFC_VEN
EINT_IRQ_NFC
NFC_GPIO
NFC_CLK2
NFC_CLK1
VSIM_B
NFC_SIMVCC
SIM1_NFC_SWP1
SDA_0
SCL_0
TX2
TX1
PF2
PF1