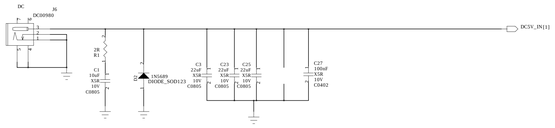
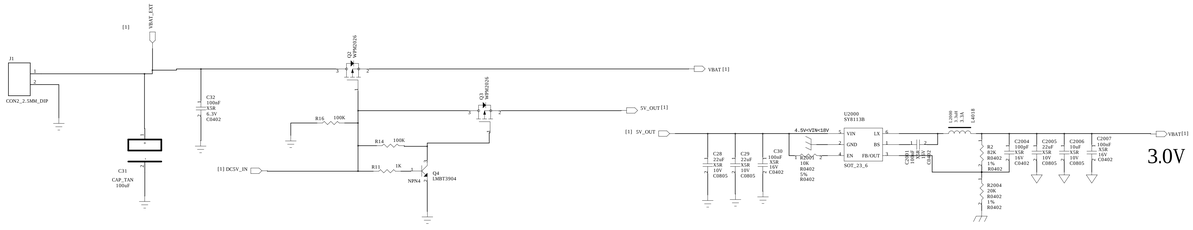
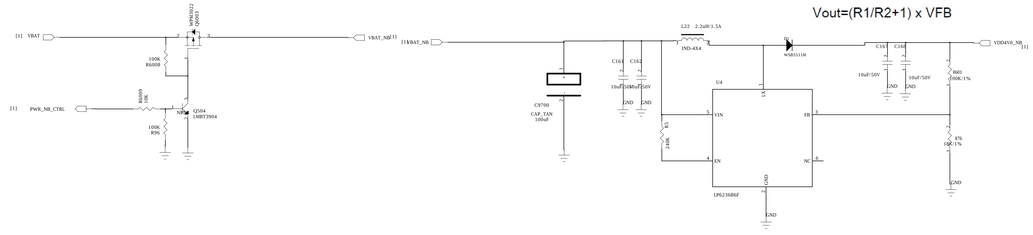
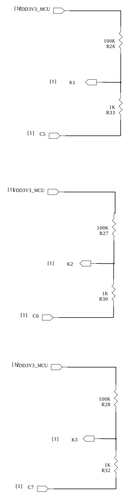
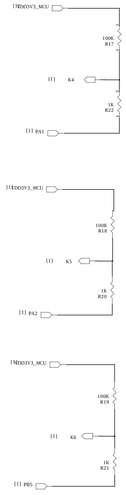

DC
J6
DC005080
DC5V_IN [1]
2R
R1
C2
10uF
X5R
10V
C0805
D1
1N5689
DIODE_SOD123
C3
X5R
10V
C0805
C23
X5R
10V
C0805
C25
X5R
10V
C0805
C27
100nF
X5R
10V
C0402


[1]
VBAT_EXT
J1
CON2_2.5MM_DIP
C31
CAP_TAN
100uF
C32
100nF
X5R
6.3V
C0402
Q9
WPM2026
VBAT [1]
Q10
WPM2026
5V_OUT [1]
R16
100K
R14
100K
R13
1K
[1] DC5V_IN
Q4
UMBT3904
NPN4
[1] 5V_OUT
C20
22uF
X5R
10V
C0805
C29
22uF
X5R
10V
C0805
C30
100uF
X5R
16V
C0402
4.5V/V2W/18V
D2005
10K
R0402
5%
R0402
U2000
SY8113B
VIN
GND
EN
LX
BS
FB/OUT
SOT_23_6
L2000
1.5uH
1.5A
L4018
R2
82K
R0402
1%
R0402
R2004
20K
R0402
1%
R0402
C2004
100uF
X5R
6.3V
C0402
C2005
22uF
X5R
10V
C0805
C2006
10uF
X5R
10V
C0805
C2007
100uF
X5R
10V
C0402
VBAT[1]
3.0V

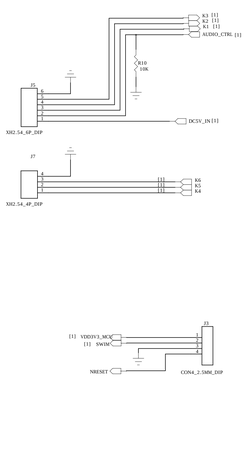

Vout=(R1/R2+1) x VFB
[1] VBAT
Q2003
WPM2022
VBAT_NB[1]
[1]VBAT_NB
100K
R6008
[1] PWR_NB_CTRL
R6009
10K
NPN4
Q2004
UMBT3904
100K
R96
C5700
CAP_TAN
100uF
L22 2.2uH/1.5A
IND-4X4
D3
WSR5111M
C163
10uF/50V
C162
100uF/50V
GND
U4
VIN
LX
FB
EN
NC
GND
LP62368ef
R3
150K
R4
47K 1%
C164
10uF/50V
C165
10uF/50V
R601
200K/1%
VDD4V0_NB[1]

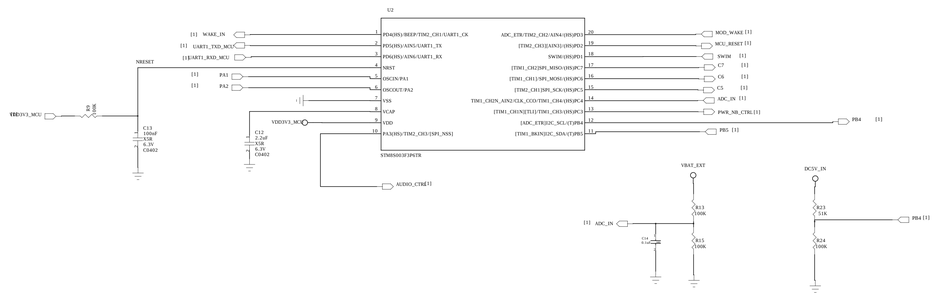
<=3.3V
[1] VBAT
C51
22uF
X5R
10V
C0805
C52
100nF
X5R
6.3V
C0402
L1
1uH
VLS3015
VLS3-X3
Q10
GND
VOUT
LX
SOT23-OC6811
3.3V
VDD3V3_MCU
C24
22uF
X5R
10V
C0805
C2
100nF
X5R
6.3V
C0402

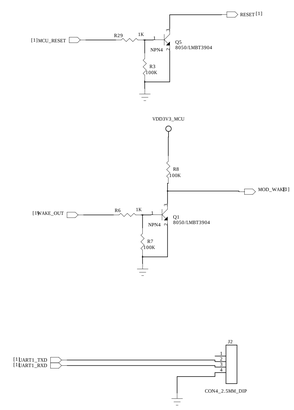

[1]VDD3V3_MCU
100K
R26
[1] K1
1K
R33
[1] C5
[1]VDD3V3_MCU
100K
R27
[1] K2
1K
R30
[1] C6
[1]VDD3V3_MCU
100K
R28
[1] K3
1K
R32
[1] C7

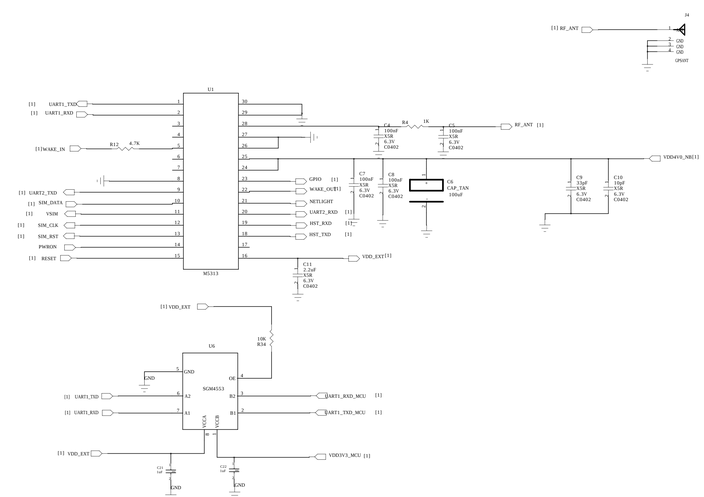

[1]VDD3V3_MCU
100K
R17
[1] K4
1K
R22
[1] PA1
[1]VDD3V3_MCU
100K
R18
[1] K5
1K
R20
[1] PA2
[1]VDD3V3_MCU
100K
R19
[1] K6
1K
R21
[1] PB5

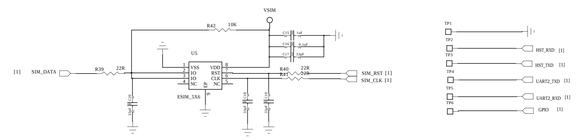
跳线针
[1]K4
J8
XH2.54_2P_DIP_SHORT
跳线针
[1]K5
J9
XH2.54_2P_DIP_SHORT
跳线针
[1]K6
J10
XH2.54_2P_DIP_SHORT


K3 [1]
K2 [1]
K1 [1]
AUDIO_CTRL [1]
R10
10K
J5
XH2.54_6P_DIP
DC5V_IN [1]
J7
XH2.54_4P_DIP
K6
K5
K4
[1] VDD3V3_MCU
[1] SWIM
NRESET
J3
CON4_2.5MM_DIP


U2
[1] WAKE_IN
[1] UART1_TXD_MCU
[1]UART1_RXD_MCU
NRESET
[1] PA3
[1] PA2
VDD3V3_MCU
R9 10K
C13
100nF
X5R
6.3V
C0402
C12
0.1uF
X5R
6.3V
C0402
VDD3V3_MCU
AUDIO_CTRL[1]
PD4(HS)/BEEP/TIM2_CH1/UART1_CK
PD5(HS)/AIN5/UART1_TX
PD6(HS)/AIN6/UART1_RX
NRST
OSCIN/PA1
OSCOUT/PA2
VSS
VCAP
VDD
PA3(HS)/TIM2_CH3/[SPI_NSS]
ADC_ETR/TIM2_CH2/AIN4/(HS)PD3
[TIM2_CH1]EXTI3/(HS)PB3
SWIM/(HS)PD1
[TIM1_CH2]SPI_MISO/(HS)PC7
[TIM1_CH1]/SPI_MOSI/(HS)PC6
[TIM2_CH1]SPI_SCK/(HS)PC5
TIM1_CH3N_AIN2/CLK_CCO/TIM1_CH4/(HS)PC4
[TIM1_CH1N]ETL1/TIM1_CH3/(HS)PC3
[ADC_ETR]I2C_SCL/(T)PB2
[TIM1_BKIN]I2C_SDA/(T)PB1
STM8S003F3P6TR
MOD_WAKE [1]
MCU_RESET [1]
SWIM [1]
C7 [1]
C6 [1]
C5 [1]
ADC_IN [1]
PWR_NB_CTRL [1]
PB1 [1]
PB4 [1]
VBAT_EXT
R13
100K
[1] ADC_IN
C14
0.1uF
R15
100K
DC5V_IN
R23
51K
R24
100K
PB4 [1]


[1]MCU_RESET
R29
1K
NPN4
Q5
8050-UMBT3904
R3
100K
RESET[1]
VDD3V3_MCU
R8
100K
MOD_WAKE[1]
[1]WAKE_OUT
R6
1K
NPN4
Q1
8050-UMBT3904
R7
100K
[1]UART1_TXD
[1]UART1_RXD
J2
CON4_2.5MM_DIP


[1] RF_ANT
J4
GND
GND
GND
GND
GPIO/ST
U1
[1] UART1_TXD
[1] UART1_RXD
[1]WAKE_IN
R12
4.7K
[1] UART2_TXD
[1] SIM_DATA
[1] VSIM
[1] SIM_CLK
[1] SIM_RST
PWRON
[1] RESET
M5313
GPIO [1]
WAKE_OUT[1]
NETLIGHT
UART2_RXD [1]
HST_RXD [1]
HST_TXD [1]
VDD_EXT[1]
C11
2.2uF
X5R
6.3V
C0402
R4
1K
C4
100nF
X5R
6.3V
C0402
C5
100nF
X5R
6.3V
C0402
RF_ANT [1]
VDD4V0_NB[1]
C7
100nF
X5R
6.3V
C0402
C8
100nF
X5R
6.3V
C0402
C6
CAP_TAN
100uF
C9
10uF
X5R
6.3V
C0402
C10
10uF
X5R
6.3V
C0402
[1] VDD_EXT
10K
R34
U6
SG04553
GND
[1] UART1_TXD
[1] UART1_RXD
A2
A1
VCCA
VCCB
OE
B2
B1
UART1_RXD_MCU [1]
UART1_TXD_MCU [1]
[1] VDD_EXT
VDD3V3_MCU [1]
C2
1uF
C17
1uF
GND


VSIM
R42
10K
C22
1uF
C23
0.1uF
C24
1uF
[1] SIM_DATA
R39
22R
U5
VSA
IO
IO
NC
VDD
RST
CLK
NC
ESDM_5X6
R40
22R
R41
22R
SIM_RST [1]
SIM_CLK [1]
C1
1uF
C3
1uF
C4
1uF


TP1
TP2
TP3
TP4
TP5
TP6
HST_RXD [1]
HST_TXD [1]
UART2_TXD [1]
UART2_RXD [1]
GPIO [1]