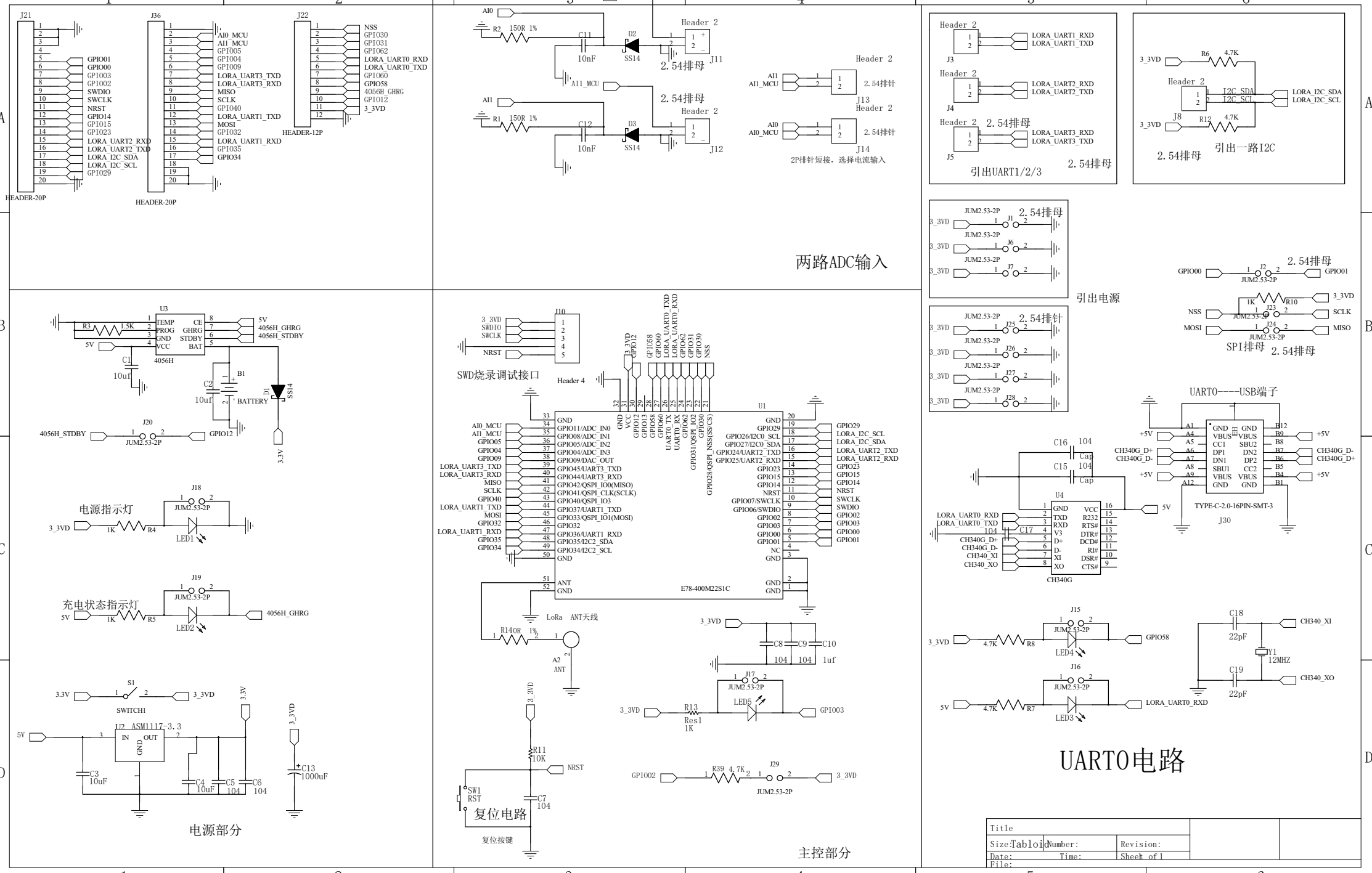
J21
HEADER-20P
J36
HEADER-20P
J22
HEADER-12P
AI0_MCU
AI1_MCU
GPIO05
GPIO04
GPIO09
LORA_UART3_TXD
LORA_UART3_RXD
MISO
SCLK
GPIO40
LORA_UART1_TXD
MOSI
GPIO32
LORA_UART1_RXD
GPIO35
GPIO34
NSS
GPIO30
GPIO31
GPIO62
LORA_UART0_RXD
LORA_UART0_TXD
GPIO60
GPIO58
4056H_GHRG
GPIO12
3_3VD
GPIO01
GPIO00
GPIO03
GPIO02
SWDIO
SWCLK
NRST
GPIO14
GPIO15
LORA_UART2_RXD
LORA_UART2_TXD
LORA_I2C_SDA
LORA_I2C_SCL
GPIO29
R2 150R 1%
R1 150R 1%
C11 10nF
C12 10nF
D2 SS14
D3 SS14
Header 2
J11
J12
2.54排母
J13
J14
2P排针短接，选择电流输入
两路ADC输入
引出UART1/2/3
J3
J4
J5
引出一路I2C
J8
R6 4.7K
R12 4.7K
引出电源
J1
J6
J7
J25
J26
J27
J28
J2
J23
J24
SPI排母
R10 1K
NSS
MOSI
SCLK
MISO
U3
ITEMP
PROG
GND
VCC
CE
GHRG
STDBY
BAT
R3 1.5K
C1 10uf
C2 10uf
B1 BATTERY
D1 SS14
4056H_STDBY
J20
JUM2.53-2P
3.3V
J18
电源指示灯
R4 1K
LED1
J19
充电状态指示灯
R5 1K
LED2
S1
SWITCH1
3.3V
U2 ASM1117-3.3
IN
OUT
GND
C3 10uF
C4 10uF
C5 104
C6 104
C13 1000uF
电源部分
J10
SWD烧录调试接口
Header 4
U1
E78-400M22S1C
LoRa ANT天线
R140R 1%
A2 ANT
C8 104
C9 104
C10 1uf
J17
LED5
R13 Res1 1K
R11 10K
SW1 RST
C7 104
复位电路
复位按键
J29
R39 4.7K
主控部分
UART0----USB端子
TYPE-C-2.0-16PIN-SMT-3
J30
C16 104 Cap
C15 104 Cap
U4
CH340G
C17 104
J15
R8 4.7K
LED4
J16
R7 4.7K
LED3
C18 22pF
C19 22pF
Y1 12MHZ
CH340_XI
CH340_XO
UART0电路
Title
Size:Tabloid
Number:
Revision:
Date:
Time:
Sheet 1 of 1
File: