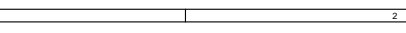
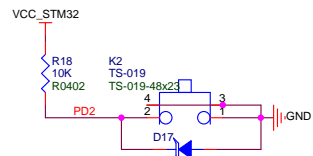
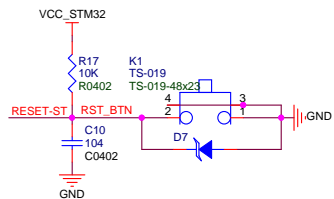
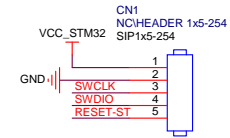
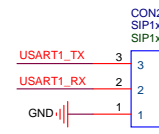
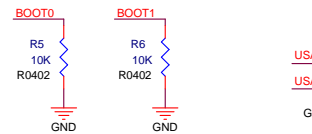
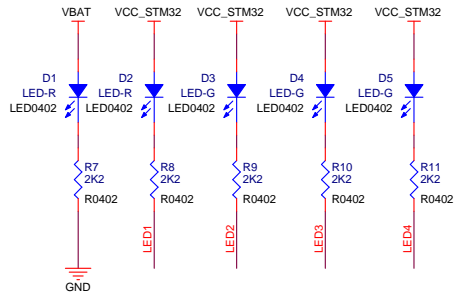
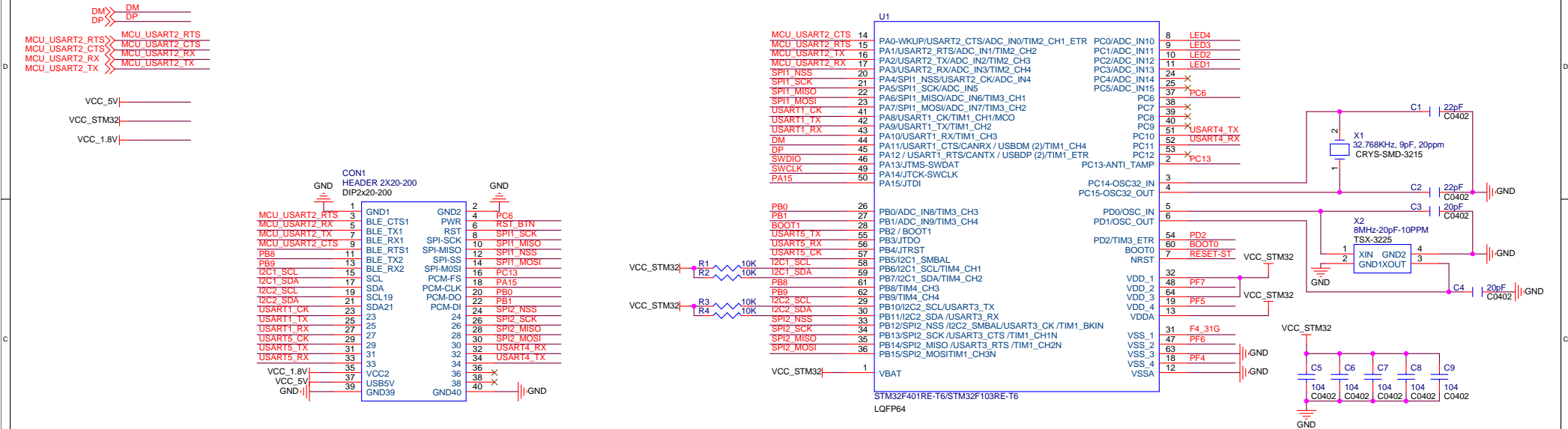
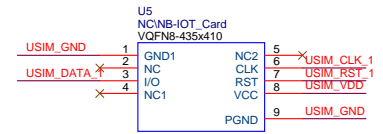
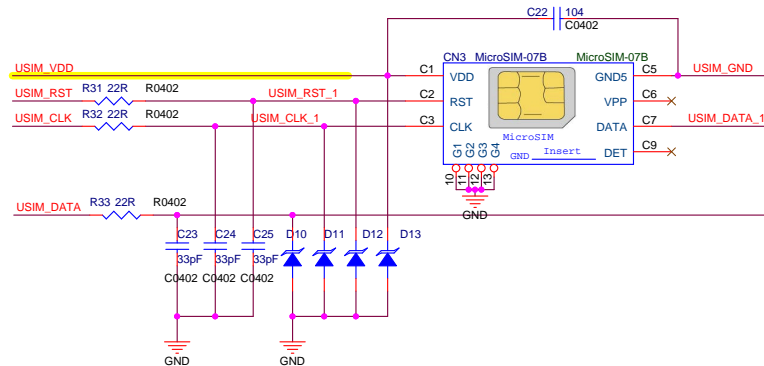
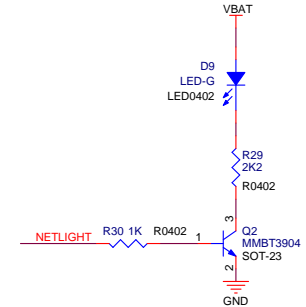
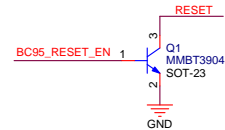
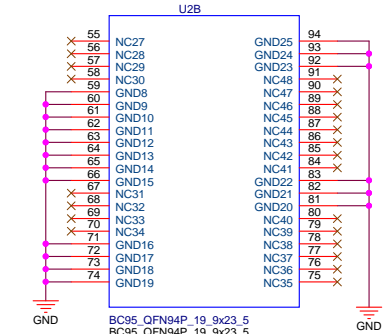
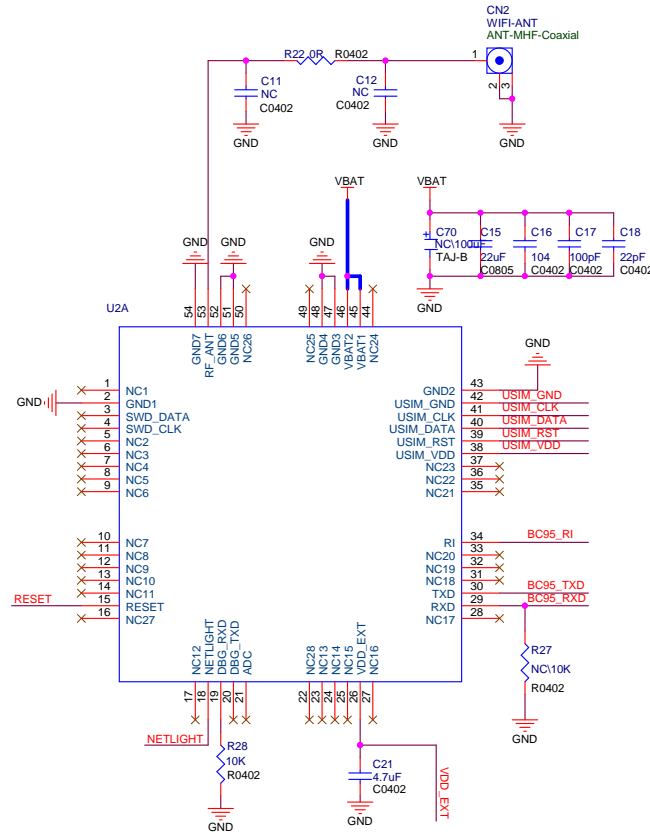
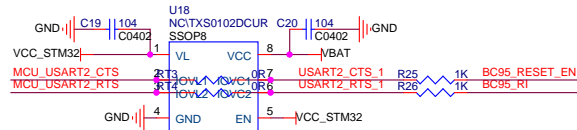
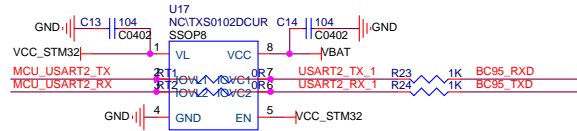


## 01 MCU



# 02 NB-IoT

MCU\_USART2\_RTS>>MCU\_USART2\_RTS  
MCU\_USART2\_CTS>>MCU\_USART2\_CTS  
MCU\_USART2\_RX>>MCU\_USART2\_RX  
MCU\_USART2\_TX>>MCU\_USART2\_TX  
VBAT



### 03 Power

DM+ DM-  
DP+ DP-

VCC\_5V  
VBAT  
VCC\_STM32  
VCC\_1.8V

CN5  
Micro-USB

VCC\_5V  
GND  
VDD\_3V3  
GND  
VDD\_3V3  
GND  
VBAT

U8  
LM1117-3.3V  
SOT-223

IN  
GND  
OUT2  
OUT1

C31 10uF C0603  
C29 104 C0402

R34 0R R35 0R  
R45 1K5

D14 D15 D16

C28 4.7uF C0402

R36 0R R0603

U7  
AP2127K-ADJTRG1

INPUT VOUT  
GND  
EN ADJ

R43 24K-1% R0402  
R44 20K-1% R0402

C30 4.7uF C0402

CN6  
PH-2AWB-125  
BAT\_SMD2-125

VCC\_STM32  
VBAT  
VCC\_1.8V

R39 0R R0603  
R40 NC/0R R0603

Design Name		SINOVOIP CO.,LIMITED	
Page Name		BPI-BC95-Nitrogen	
Size A3		Rev 1.0	
Date:		Thursday, November 16, 2017	Sheet 3 of 6

