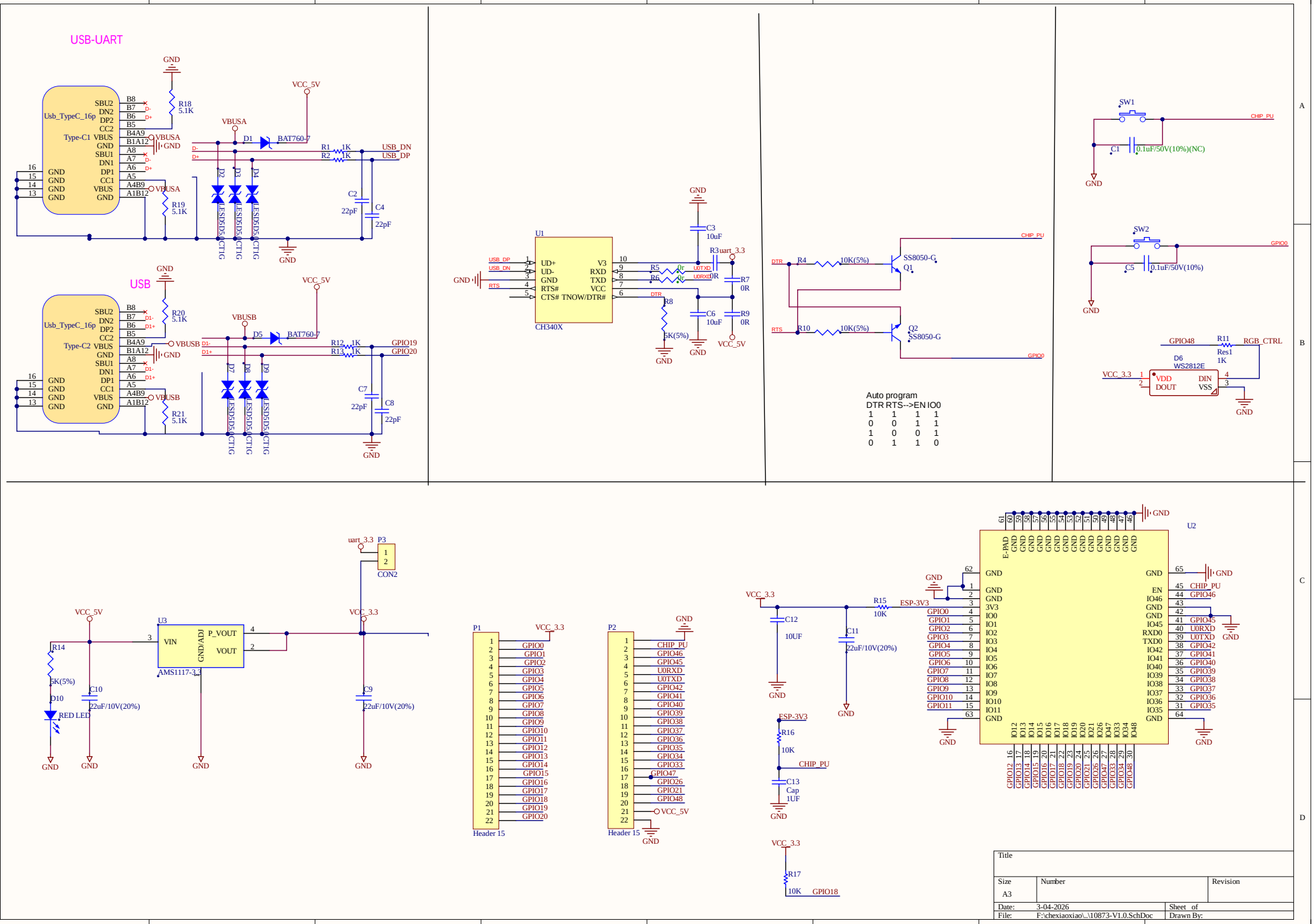
USB-UART
Usb_TypeC_16p
Type-C1
R18 5.1K
R19 5.1K
VCC_5V
VBUSA
D1 BAT760-7
R1 1K
R2 1K
USB_DN
USB_DP
D2 D3 D4
ESD5D5.0CT1G
C2 22pF
C4 22pF
GND
USB
Usb_TypeC_16p
Type-C2
R20 5.1K
R21 5.1K
VBUSB
D5 BAT760-7
R12 1K
R13 1K
GPIO19
GPIO20
D7 D8 D9
C7 22pF
C8 22pF
U1
CH340X
UD+
UD-
GND
RTS#
CTS# TNOW/DTR#
V3
RXD
TXD
VCC
C3 10uF
R3 0R
uart_3.3
R5 0r
R6 0r
R7 0R
R8 5K(5%)
C6 10uF
R9 0R
VCC_5V
R4 10K(5%)
R10 10K(5%)
SS8050-G
Q1
Q2
CHIP_PU
GPIO0
Auto program
DTR RTS-->EN IO0
1 1 1 1
0 0 1 1
1 0 0 1
0 1 1 0
SW1
C1 0.1uF/50V(10%)(NC)
SW2
C5 0.1uF/50V(10%)
GPIO48
R11 Res1 1K
RGB_CTRL
D6 WS2812E
VCC_3.3
VDD
DOUT
DIN
VSS
uart_3.3
P3
CON2
VCC_5V
U3
AMS1117-3.3
VIN
P_VOUT
GND/ADJ
VOUT
VCC_3.3
R14 5K(5%)
D10 RED LED
C10 22uF/10V(20%)
C9 22uF/10V(20%)
P1
Header 15
P2
Header 15
U2
E-PAD
EN
IO46
IO45
U0RXD
U0TXD
IO42
IO41
IO40
IO39
IO38
IO37
IO36
IO35
3V3
IO0
IO1
IO2
IO3
IO4
IO5
IO6
IO7
IO8
IO9
IO10
IO11
IO12
IO13
IO14
IO15
IO16
IO17
IO18
IO19
IO20
IO21
IO26
IO47
IO33
IO34
IO48
ESP-3V3
R15 10K
C12 10UF
C11 22uF/10V(20%)
R16 10K
C13 Cap 1UF
R17 10K
GPIO18
Title
Size A3
Number
Revision
Date: 3-04-2026
Sheet of
File: F:\chexiaoxiao\...\10873-V1.0.SchDoc
Drawn By: