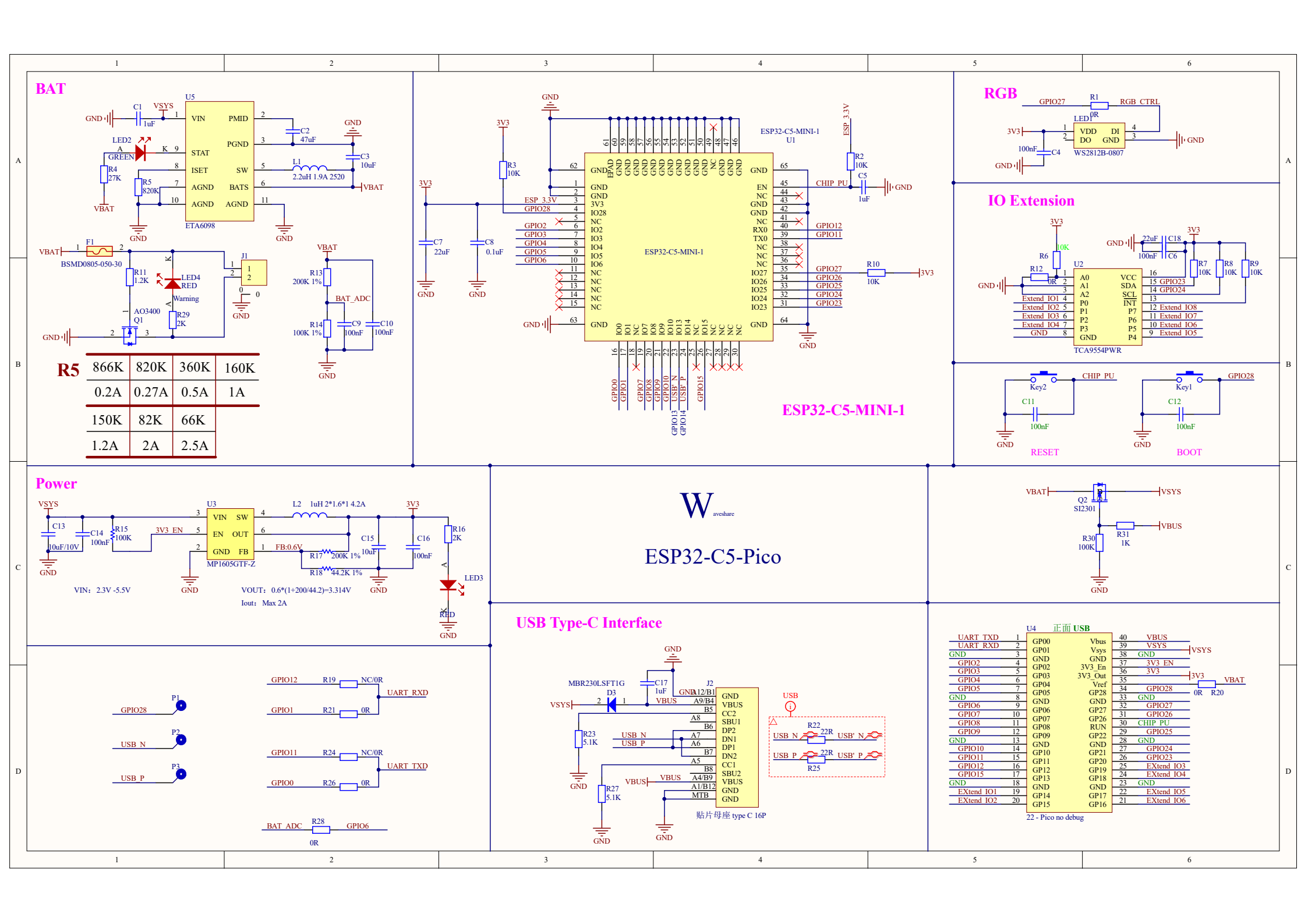

BAT
U5
ETA6098
VIN
PMID
PGND
STAT
ISET
SW
AGND
BATS
AGND
AGND
C1 1uF
C2 47uF
C3 10uF
L1 2.2uH 1.9A 2520
LED2 GREEN
R4 27K
R5 820K
VSYS
VBAT
GND
F1 BSMD0805-050-30
R11 1.2K
LED4 RED
Warning
AO3400
Q1
R29 2K
J1
R13 200K 1%
R14 100K 1%
BAT_ADC
C9 100nF
C10 100nF
R5
866K 820K 360K 160K
0.2A 0.27A 0.5A 1A
150K 82K 66K
1.2A 2A 2.5A
ESP32-C5-MINI-1
U1
ESP32-C5-MINI-1
R3 10K
R2 10K
C5 1uF
C7 22uF
C8 0.1uF
ESP_3.3V
CHIP_PU
GPIO28
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO12
GPIO11
GPIO27
GPIO26
GPIO25
GPIO24
GPIO23
R10 10K
3V3
RGB
GPIO27
R1 0R
RGB_CTRL
LED
WS2812B-0807
C4 100nF
IO Extension
U2
TCA9554PWR
R6 10K
R12 0R
C18 22uF
C6 100nF
R7 10K
R8 10K
R9 10K
Extend_IO1
Extend_IO2
Extend_IO3
Extend_IO4
GPIO23
GPIO24
Extend_IO8
Extend_IO7
Extend_IO6
Extend_IO5
Key2
C11 100nF
RESET
Key1
C12 100nF
BOOT
Power
U3
MP1605GTF-Z
VIN SW
EN OUT
GND FB
L2 1uH 2*1.6*1 4.2A
C13 10uF/10V
C14 100nF
R15 100K
3V3_EN
FB:0.6V
R17 200K 1%
R18 44.2K 1%
C15 10uF
C16 100nF
R16 2K
LED3
VIN：2.3V -5.5V
VOUT：0.6*(1+200/44.2)=3.314V
Iout：Max 2A
W
aveshare
ESP32-C5-Pico
VBAT
Q2 SI2301
VSYS
VBUS
R30 100K
R31 1K
USB Type-C Interface
MBR230LSFT1G
D3
C17 1uF
J2
R23 5.1K
R27 5.1K
USB_N
USB_P
USB
R22 22R
R25 22R
USB' N
USB' P
贴片母座 type C 16P
P1
P2
P3
GPIO28
USB_N
USB_P
GPIO12
GPIO1
GPIO11
GPIO0
R19 NC/0R
R21 0R
R24 NC/0R
R26 0R
UART_RXD
UART_TXD
BAT_ADC
R28 0R
GPIO6
U4 正面 USB
22 - Pico no debug
UART_TXD
UART_RXD
EXtend_IO1
EXtend_IO2
EXtend_IO3
EXtend_IO4
EXtend_IO5
EXtend_IO6
R20 0R