CH549GEVT/ CHLINK

tongxinmao.com   20210108

C4
104

C2
104

C1
10uF

P3
8
7
6
5
4
3
2
1
Header 8

SWDIO
SWCLK
UCC1
UCC2
LED_RUN
LED_CON
RST
RX
TX

U1
P11/CAP2/AIN1   V33
P14/UCC1/SCS/AIN4   VDD
P15/MOSI/PWM0_/UCC2/AIN5 GND/VSS
P16/MISO/RXD1_/VUBS/AIN6   P50/DM
P17/SCK/TXD1_/AIN7   P51/UDP
RST/P57   P24/PWM1/T2_/CAP1
P30/RXD   P22/PWM3/INT0
P31/TXD   P34/t0
CH549G

16 V33
15 VDD
14
13 UDM
12 UDP
11 P24
10 P22
9

S1 RST#
1   2   RST

S2 Download
1   2   R14   UDP
        10k
V33

R1   D1
1K5   NC1   LED_CON
VDD   DLED

R5   D2
1K5   LED_RUN
VDD   DLED

VCC5 R2   VDD
      0R_5V

3V3   R3   VDD
      0R_3V3

V33   R4   VDD
      0R_3V3

P2
P24   1   2   SWDIO_H
P22   3   4   SWCLK_H
GND   5   6   GND
3V3   7   8   TX_H
VCC5 9   10 RX_H
Header 5X2

RX   R7   RX_H   SWCLK R8   SWCLK_H
     270   270
TX   R9   TX_H   SWDIO R10 SWDIO_H
     270   270

USB type C

GND

P1
GND   A1
             R6
             5.1K
VBUS   A4 VBUS
CC1   A5
       A6 UDP   R11   UCC1
       A7 UDM   NC(0R)
       A8
SBU2 B8
Dn2   B7 UDM
Dp2   B6 UDP
CC2   B5 VBUS
VBUS B4
             UCC2 R12
                   NC(0R)
R13
5.1K   B1
GND
TYPE-C-Receptacle-2.0
GND

P3
GND
GND   4   UDP
UD+   3
UD-   2   UDM
+5V   1   VBUS
GND
USBH

F1   VCC5   **U2**
VBUS 500mA   LM1117_3V3
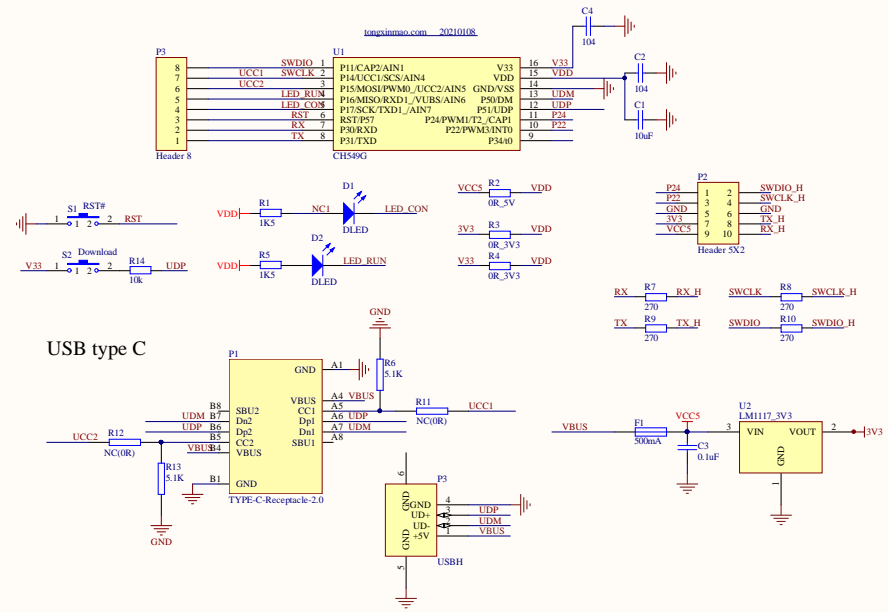   C3   VIN   VOUT   2   3V3
          0.1uF   GND
VBUS

Title block
Size: C
Number
Revision
Date: 2021/4/23
Sheet of
File: E:\mywork\WCHLINK\pcb\CH54gG.Sch Drawn By:

Boar d S