2x 5.1K Resistors on the CC pins will = 5V@1.5A
this is the recomended default config for type-c

TYPE-C-31-M-12

USB/POWER

USB1
GND
VBUS
SBU2
CC1
DN2
DP1
DN1
DP2
SBU1
CC2
VBUS
GND
SHIELD
R1
R2
USB_D-
USB_D+
USB_D-
USB_D+
5K 0603
D1
1N4002W
F1
0805L050WR
VSYS
500mA hold current
1A trip
6V trip
D1 NEEDS to be 0omh resistor or 1N4002 diode

U1
TD6810-ADJ
VIN
RUN
GND
SW
FB
L1
2.2uH
C5
10uF 0603
R8
100K
C9
22pF
R9
680K
R10
150K
C10
10uF
C12
100nF
+3V3

Only fit cBP1 if you have selected an alternate voltage regulator

TLV75533PDBVR does not require cBP1.

+1V1
C6
100nf
C7
100nf
+3V3
These decoupling capacitors are meant to be put close by each 3.3V pin of the RP2040
C13
C14
C15
C16
C17
C18
C19
100nf
Make sure C10 is close to pin 44 of RP2040
C11
1uf
Make sure C3 is close to pin 45 of RP2040
C8
1uf

Make sure the flash chip you have selected supports 3.3V power or adjust the design.

Flash

+3V3
C4
100nf
R6
10K
GND
J4
TSA343G00-250J2
USB_BOOT
R3
1K
QSPI_SS
QSPI_SCLK
QSPI_SD0
QSPI_SD1
QSPI_SD2
QSPI_SD3
CS
CLK
DI(IO0)FLASH1
DO(IO1)
IO2
IO3
VCC
GND
W25Q16JVUXIQ
Pin 9 technically doesnt exist its the main central contact under the chip for heat dicipation

Im pretty sure a lot of these W25QXXX Chips are pin compatible
Dont quote me on that

Im unsure if the RP2040 can function with flash larger than 128Mb

GD25Q40CEIGR is NOT Compatible
you need GD25W16* needs to be a multiple of 8 atleast for circuitpython.

(Ive not confirmed if GD25W16 works I just
Have some boards with GD25Q40CEIGR and they dont work)

https://datasheets.raspberrypi.com/rp2040/hardware-design-with-rp2040.pdf

On page 13 you can learn more details of what flash is supported

suposedly the rp2040 supports SPI-2 flash but I havent tried it.

Would assume you could just not connect SD2 and SD3 for non QSPI

Raspberry Pi RP2040

U2
DVDD
VREG_VOUT
VREG_IN
IOVDD
USB_VDD
ADC_AVDD
USB_DP
USB_DM
D+
D-
R11
27r
R12
27r
USB_D+
USB_D-
Make sure R3 and R4 are close to RP2040
QSPI_SS
QSPI_SD0
QSPI_SD1
QSPI_SD2
QSPI_SD3
QSPI_SCLK
XIN
XOUT
RUN
SWCLK
SWD
TESTEN
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO15
GPIO16
GPIO17
GPIO18
GPIO19
GPIO20
GPIO21
GPIO22
GPIO23
GPIO24
GPIO25
GPIO26_ADC0
GPIO27_ADC1
GPIO28_ADC2
GPIO29_ADC3
LED_DATA
1P
2P
3P
4P
1K
2K
3K
4K
LS
SELECT
HOME
START
RS
SDA
SCL
CAPTURE
TURBO
RIGHT
DOWN
LEFT
UP
RP2040
R4
1K
this is for factory testing always pull this to ground

Crystal

C2
5pf
not 22pf but pick to match crystal.
C3
5pf
Y1
3225_4P_12MHz
R7
1k
1K resistor to prevent overdriving of the crystal as per the minimal design example
RP2040 supports 1MHz to 15MHz

+3V3
C22
2.2uF
C21
1uF
C1
1uF
DS1
OLED-1280064D
C2N
C2P
C1P
C1N
VBAT
VDD
VCC
BS0
BS1
BS2
CS
RES
D/C
R/W
E/RD
D0
D1
D2
D3
D4
D5
D6
D7
NC
IREF
VCOMH
GND
VSS
VLSS
MP
4.7K
R13
4.7K
R14
SCL
SDA
390K
R5
C20
4.7uF

LS1
SW_Push
RS1
SW_Push
HOME1
SW_Push
SELECT1
SW_Push
TURBO1
SW_Push
START1
SW_Push
CAPTURE1
SW_Push

H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole
H5 MountingHole
H6 MountingHole

D6A
D7A
D8A
D9A
D10A
D11A
D12A
D13A
D14A
D15A
D16A
D17A
DIN
DOUT
VDD
VSS
D6B
D7B
D8B
D9B
D10B
D11B
D12B
D13B
D14B
D15B
D16B
D17B
LED_DATA
LEFT
DOWN
RIGHT
UP
1P
2P
3P
4P
1K
2K
3K
4K

xinole electronics CO.,LTD
Sheet: /
File: FightingBox-XLL-Mini.kicad_sch
Title: INNEX FightingBoard v1.0
Size: A3
Date: 2023-03-02
Rev:
KiCad E.D.A. kicad 7.0.5-0
Id: 1/1