RP2040

USB AND POWER

SPI FLASH

CRYSTAL

GATE DRIVER

U2
RP2040

U1
DRVB301DCAR

12v must get to the drv

Pull down to disable buck converter

Make sure c8 is close to pin 43 of rp2040
Make sure c9 is close to pin 45 of rp2040
Make sure C7 is close to pin 44 of the rp2040

Use usb 5v or external

allow to use or not use external 3v3 power

Gnd pins