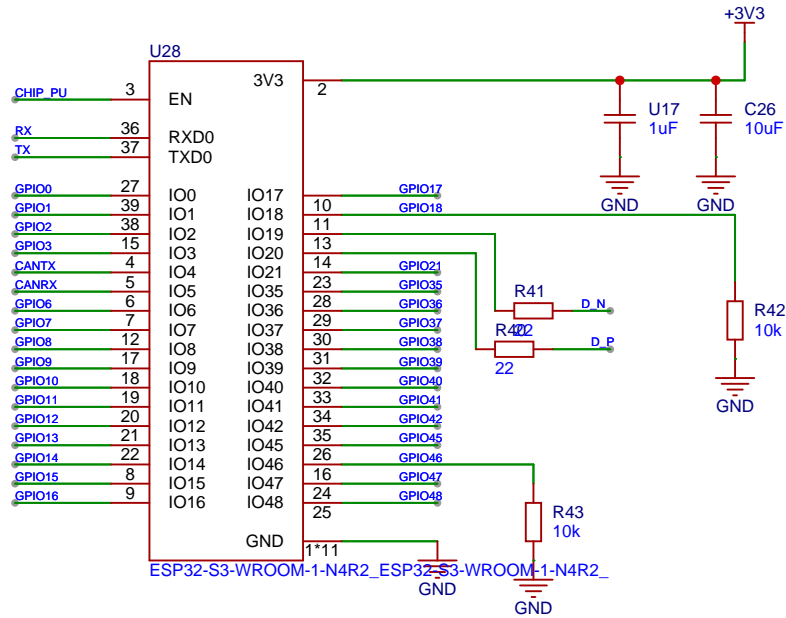


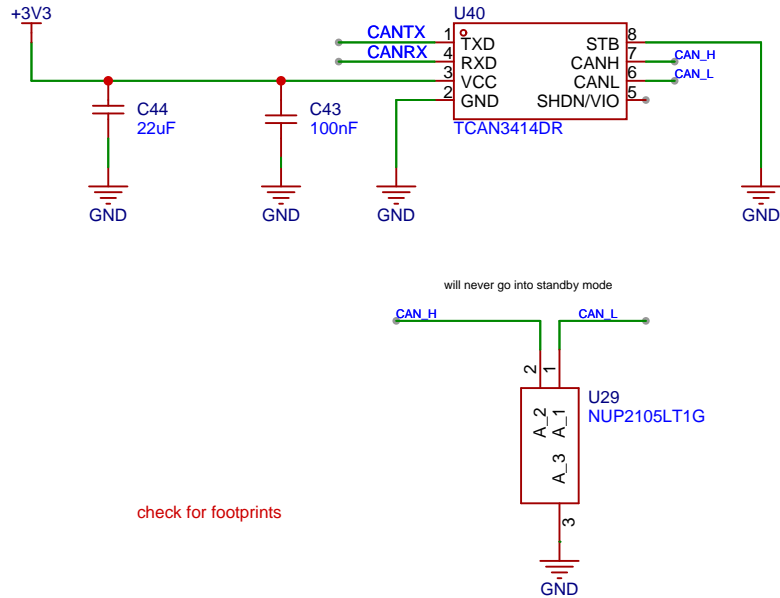
MCU



Pull down resistor on GPIO46, to ensure joint download boot mode is reached. May not need to populate. Pull down resistor on GPIO18 due to high level glitch.

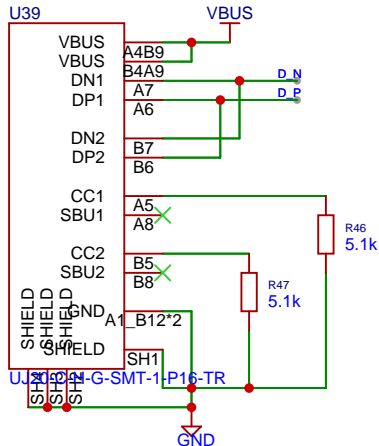
add pull down resistors on gpios that glitch to a high value

CAN Transceiver



check for footprints

USBC

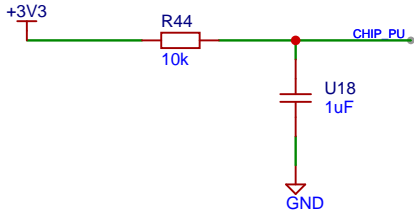


Mounting Holes

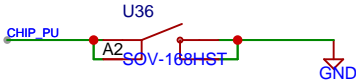


Reset & Boot

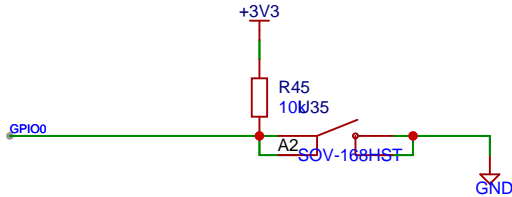
ESP32-S3 's CHIP\_PU pin can enable the chip when it is high and reset the chip when it is low



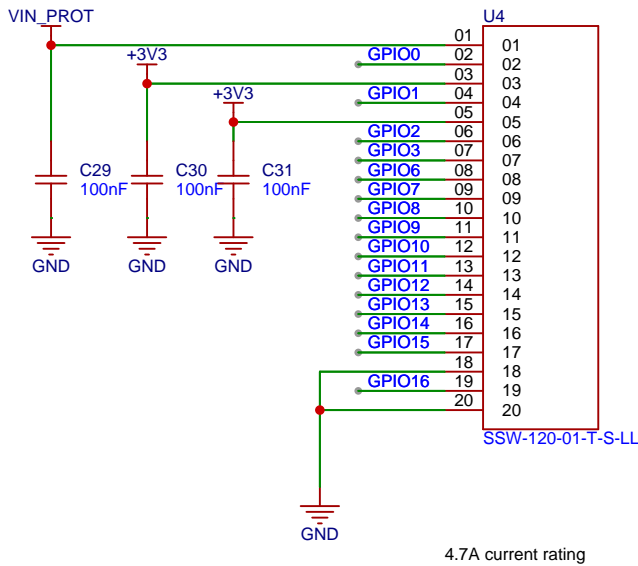
GPIO0 and GPIO46 control the boot mode after the reset is released. Download Boot (USB): GPIO0 = 0 and GPIO46 = 0 SPI Boot (executing flash): GPIO0 = 1 and GPIO46 = Any



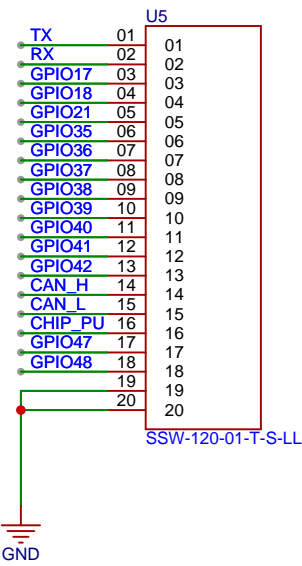
Hold bootloader button and press Reset button to program ESP



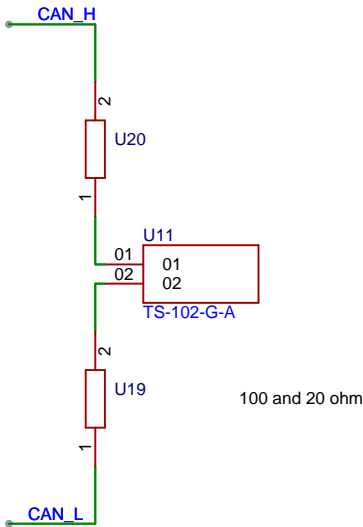
Header Pins



4.7A current rating

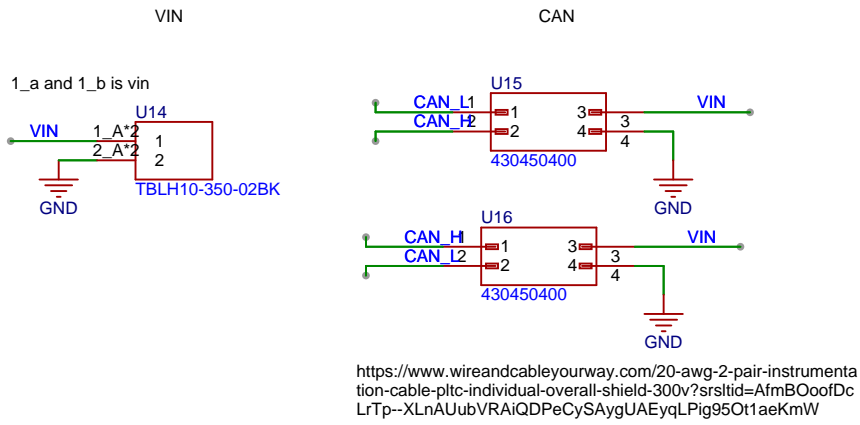


Termination Resistor

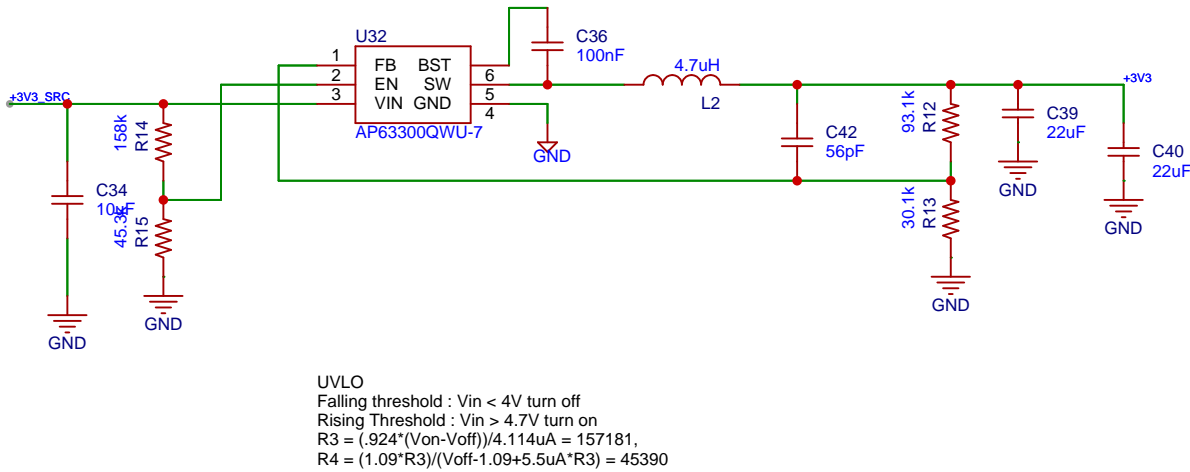


add jumper cap to short these two for EOL 120 ohm termination.

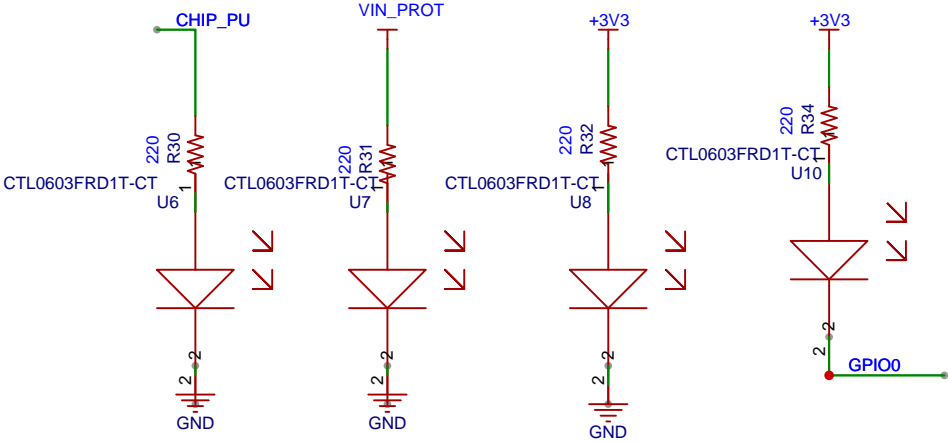
PORTS



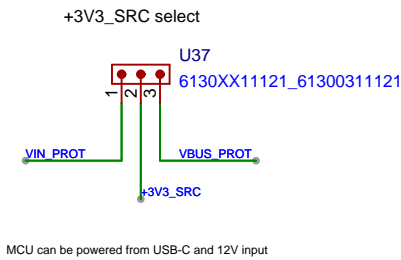
Buck



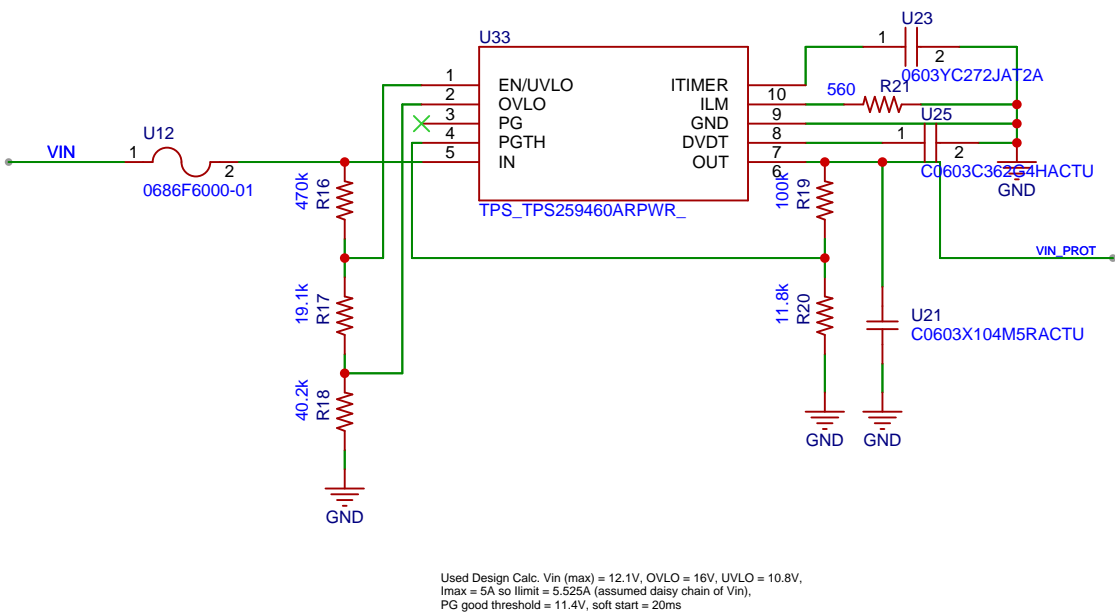
LEDs



Power Select



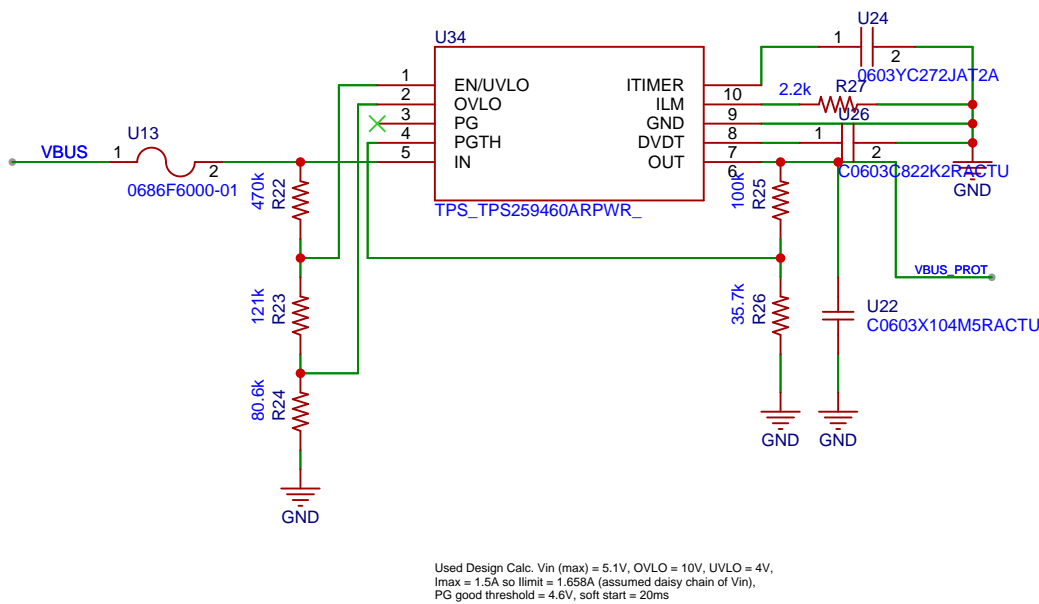
Efuse



Efuse Bypass



USB Efuse



USB Efuse Bypass

