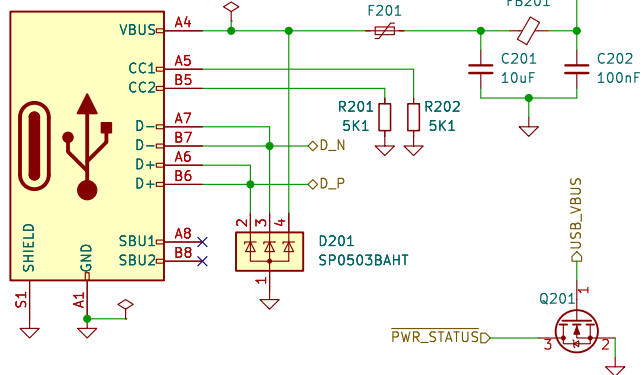


J201
USB_C_Receptacle_USB2.0



This MOSFET switch pulls LOW when the power is supplied by USB. PWR_STATUS must be pulled up high.

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Sheet: /USBC-2.0/

File: usbc-2-0.kicad_sch

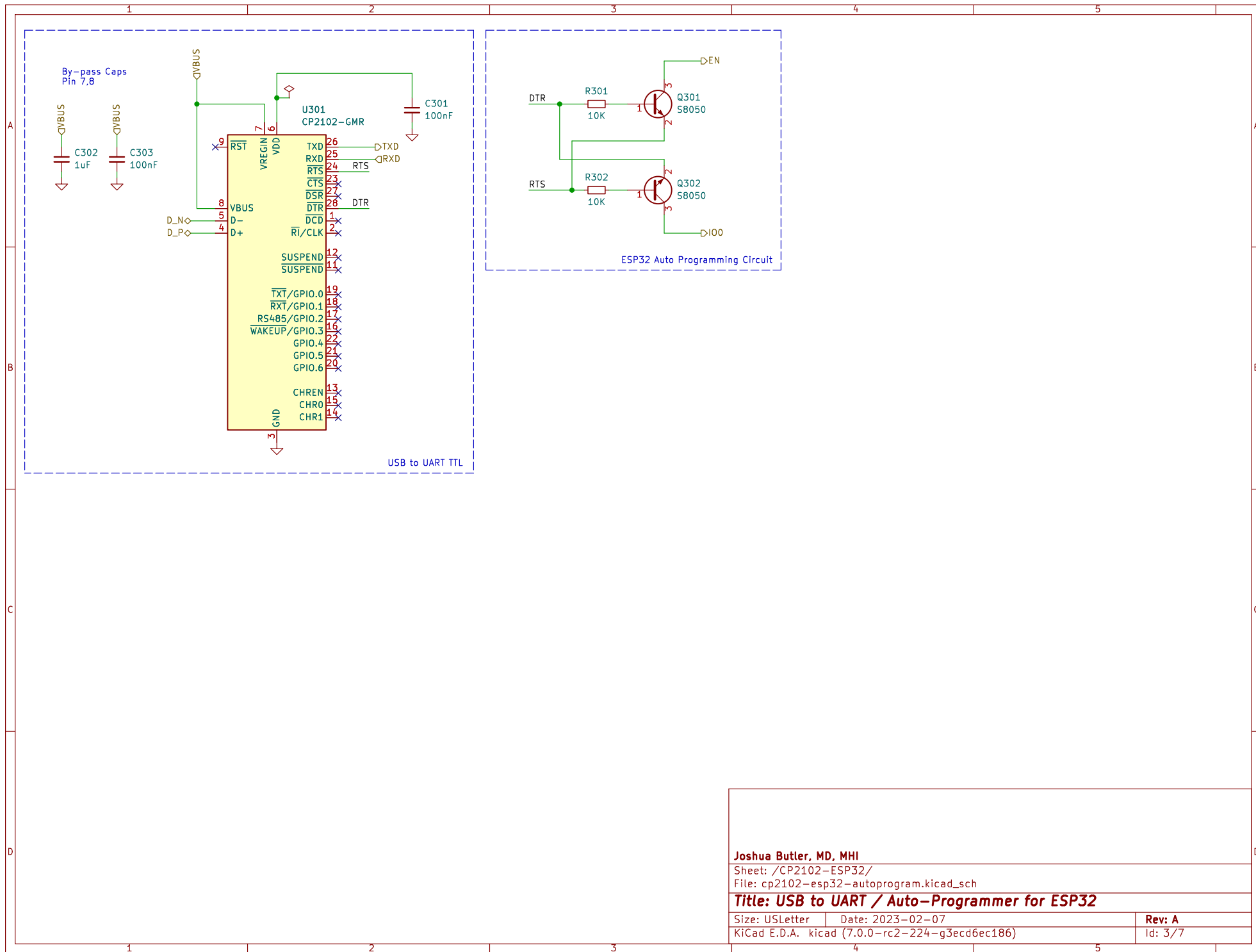
Title: USB-C 2.0 / Power and Data

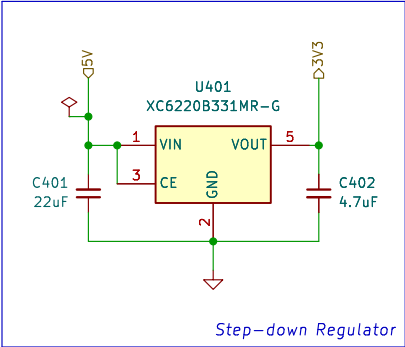
Size: USLetter Date: 2023-02-08

KiCad E.D.A. kicad (7.0.0-rc2-224-g3ecd6ec186)

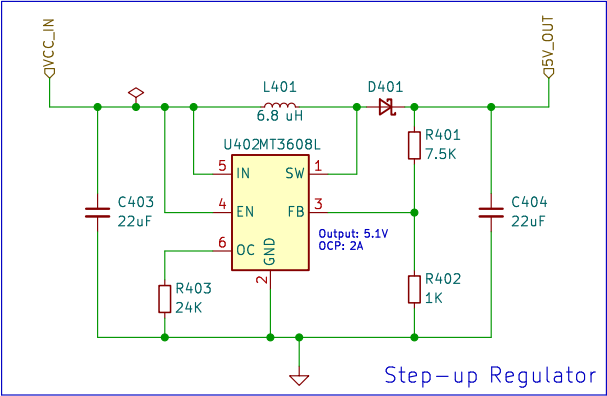
Rev: A

Id: 2/7





Step-down Regulator



Step-up Regulator

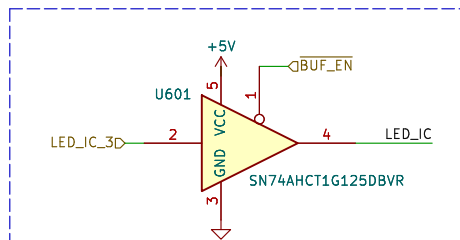
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Sheet: /Power_Management/
File: power_management.kicad_sch

Title: Power Management

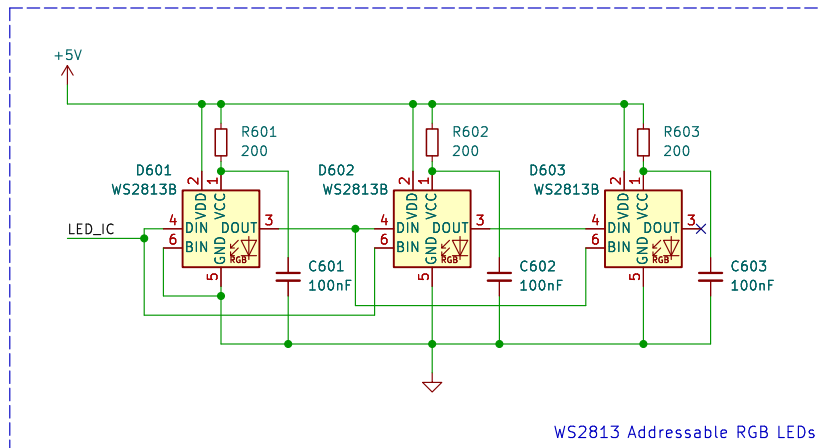
Size: USLetter Date: 2023-02-08
KiCad E.D.A. kicad (7.0.0-rc2-224-g3ecd6ec186)

Rev: A
Id: 4/7



NOTE:

Bus buffer is used as WS2813B V_{IH} is $0.7 * VDD = 3.5V$. ESP32 outputs at $<3.3V$. Bus Buffer



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Sheet: /Addressable_LED/

File: addressable_led.kicad_sch

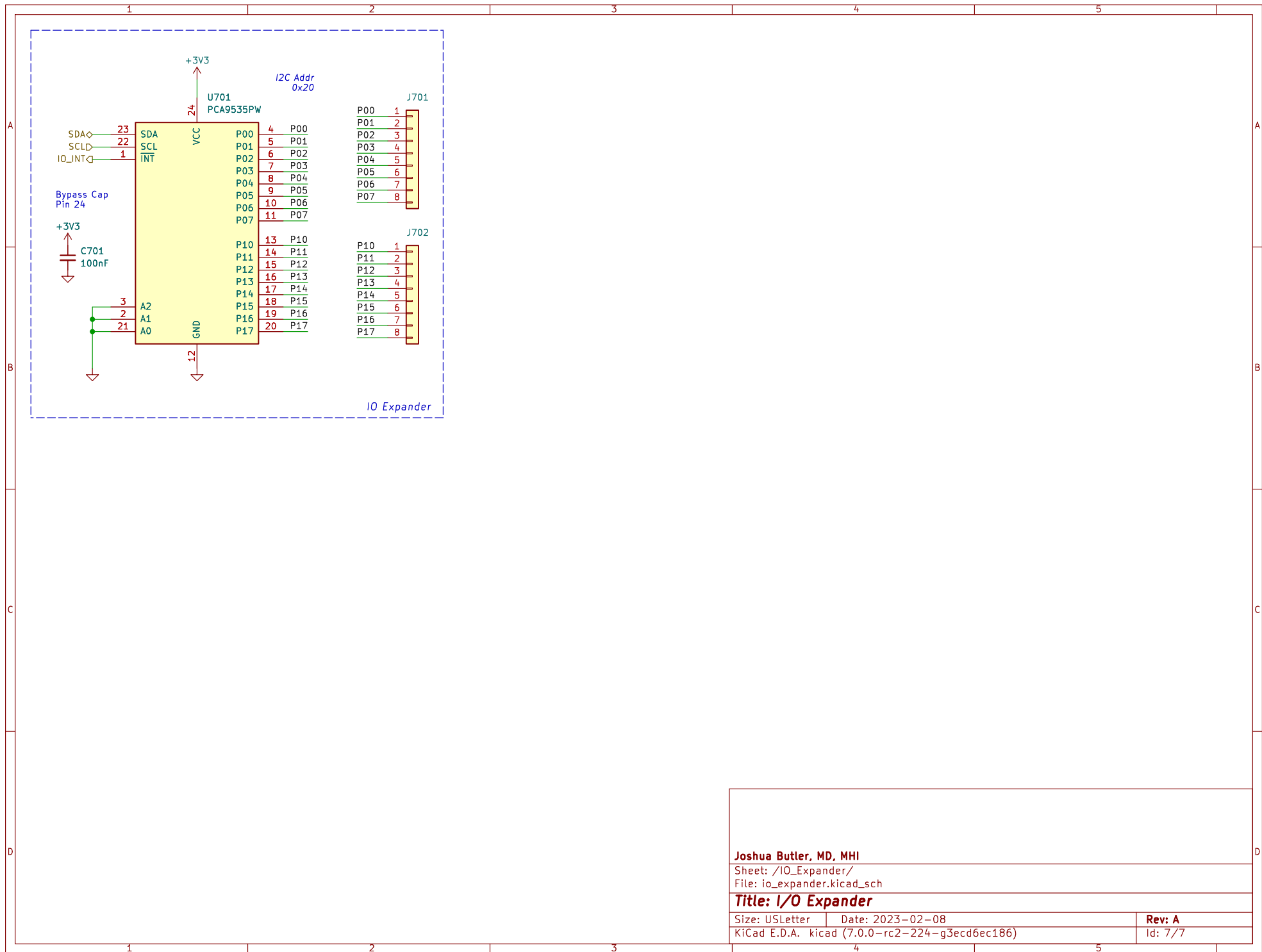
Title: Addressable RGB LEDs

Size: USLetter Date: 2023-02-08

KiCad E.D.A. kicad (7.0.0-rc2-224-g3ecd6ec186)

Rev: A

Id: 6/7



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Sheet: /IO_Expander/

File: io_expander.kicad_sch

Title: I/O Expander

Size: USLetter Date: 2023-02-08

KiCad E.D.A. kicad (7.0.0-rc2-224-g3ecd6ec186)

Rev: A

Id: 7/7