Bitsy Expander RP2040 Pin Map
Standard Use Pinout Diagram

circuit **python**

Pin Name   DIGITAL   ANALOG

Shared Pin
(see note 1)

I²C

D13~ D10~

D7~ D13~

D4 D7~

D3~ D4

D2~ D3~

RX~ TX

A0 A1

A2 D24

A3 D25

I²C

I²C } SCL SDA

I²C

D5~
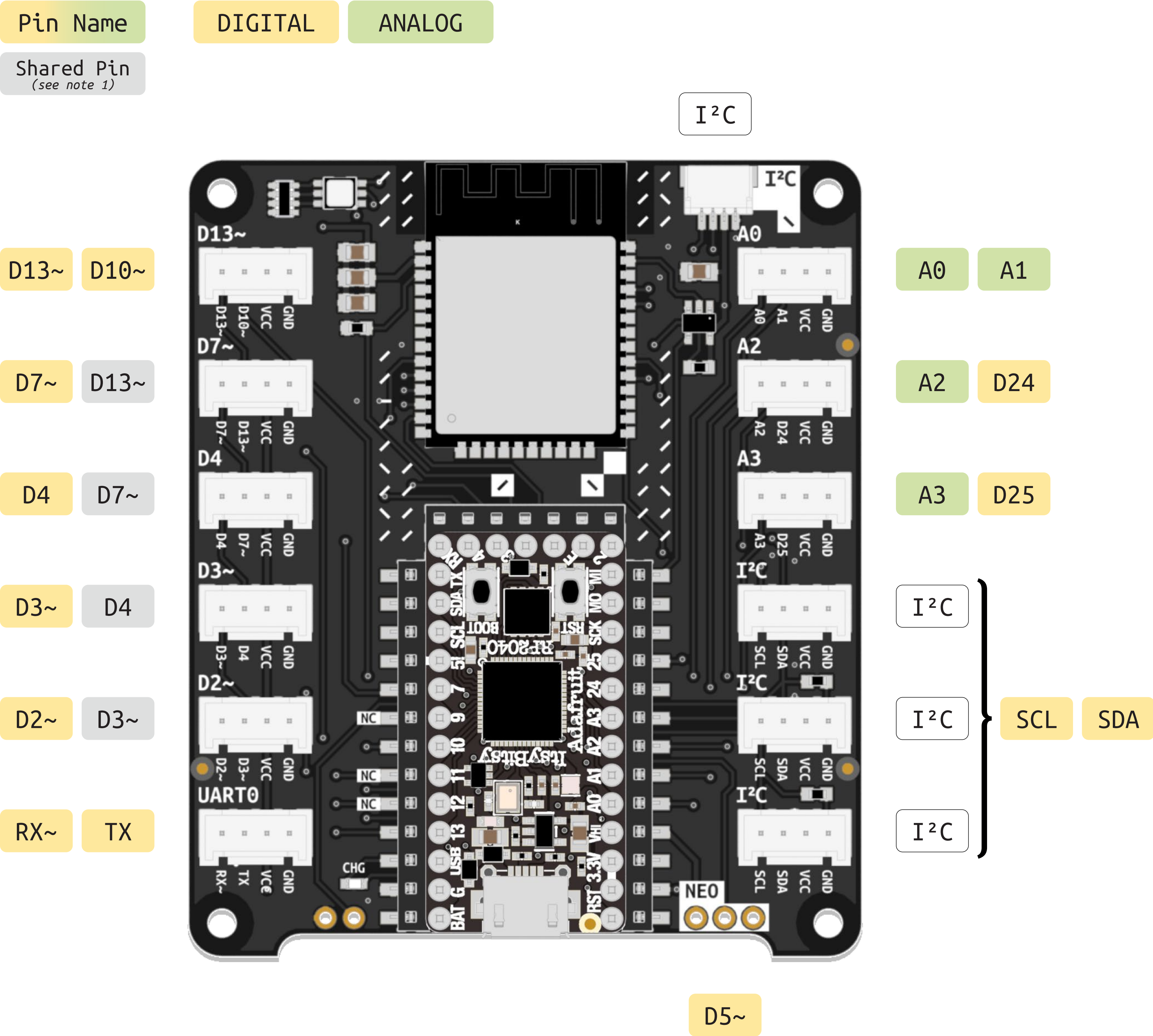
Notes:

(1) In overlapping (shingled) headers, the inner pins are marked grey since they also serve as primary pins in the header above. Using a pin in one header renders it useless in the other.

(2) Pins marked with a **~** in this diagram may be used without restrictions to generate PWM signals. The **~** is not part of the pin name and must be omitted in code.

(3) A separate pin-out diagram is available for use with Arduino IDE.

IMPORTANT: *The PWM pin markings (~) on the board included in your kit may differ from those in this diagram. In case of discrepancy, refer to this diagram, as it is more up-to-date. If additional PWM pins are needed, please consult the "PWM Slices and Channels" diagram.*