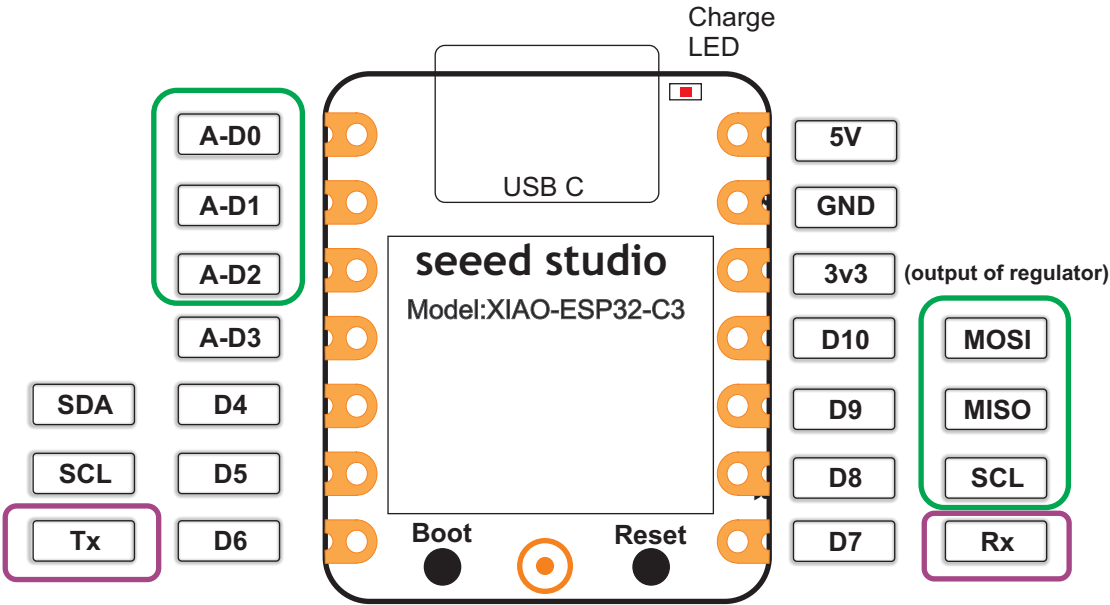


| Parameter           | Description  |
|---------------------|--|
| Processor           | ESP32-C3 SoC RISC-V single-core 32-bit                               |
| Wireless            | Complete 2.4GHz Wi-Fi subsystem                                      |
| Bluetooth           | 5.0/ Bluetooth mesh  |
| On-chip Memory      | 400KB SRAM & 4MB Flash   |
| Interface           | UART/ IIC/ IIS/ SPI/11x GPIO(PWM)/ 4x ADC/ Reset button/ Boot button |
| Dimensions          | 21 x 17.5mm  |
| Power               | Circuit operating voltage: 3.3V@200mA                                |
| Charging current    | 50mA/100mA   |
| Input voltage       | (VIN): 5V  |
| Deep Sleep Power    | Deep Sleep Mode: >44 $\mu$ A   |
| Wi-Fi Enabled Power | Active Mode: <75 mA  |
| Modem-sleep Mode    | <25 mA   |
| Light-sleep Mode    | <4 mA  |
| BLE Enabled Power   | Modem-sleep Mode: <27 mA   |
| Light-sleep Mode    | <10 mA   |
| Working Temperature | -40°C ~ 85°C   |

|      |    |        |
|------|----|--------|
| TX   | 21 |        |
| RX   | 20 |        |
| SDA  | 6  |        |
| SCL  | 7  |        |
| SS   | 20 |        |
| MOSI | 10 |        |
| MISO | 9  |        |
| SCK  | 8  |        |
| D0   | 2  | aka A0 |
| D1   | 3  | aka A3 |
| D2   | 4  | aka A4 |
| D3   | 5  | aka A5 |
| D4   | 6  |        |
| D5   | 7  |        |
| D6   | 21 |        |
| D7   | 20 |        |
| D8   | 8  |        |
| D9   | 9  |        |
| D10  | 10 |        |

Arduino IDE Pin Assignments  
i.e. pinMode(D2, mode);

use of D1 vs A1 does not define  
pin being analog or digital.



XIAO ESP32-C3 Pinout <xx>.cdr  
2023-05-12

| <i><b>Parameter</b></i> | <i><b>Description</b></i>  |
|-------------------------|--|
| Processor               | ESP32-C3 SoC RISC-V single-core 32-                                  |
| Wireless                | Complete 2.4GHz Wi-Fi subsystem                                      |
| Bluetooth               | 5.0/ Bluetooth mesh  |
| On-chip Memory          | 400KB SRAM & 4MB Flash   |
| Interface               | UART/ IIC/ IIS/ SPI/11x GPIO(PWM)/ 4x ADC/ Reset button/ Boot button |
| Dimensions              | 21 x 17.5mm  |
| Power                   | Circuit operating voltage: 3.3V@200mA                                |
| Charging current        | 50mA/100mA   |
| Input voltage           | (VIN): 5V  |
| Deep Sleep Power        | Deep Sleep Mode: >44 μA  |
| Wi-Fi Enabled Power     | Active Mode: <75 mA  |
| Modem-sleep Mode        | <25 mA   |
| Light-sleep Mode        | <4 mA  |
| BLE Enabled Power       | Modem-sleep Mode: <27 mA   |
| Light-sleep Mode        | <10 mA   |
| Working Temperature     | -40°C ~ 85°C   |

|      |    |        |
|------|----|--------|
| TX   | 21 |        |
| RX   | 20 |        |
| SDA  | 6  |        |
| SCL  | 7  |        |
| SS   | 20 |        |
| MOSI | 10 |        |
| MISO | 9  |        |
| SCK  | 8  |        |
| D0   | 2  | aka A0 |
| D1   | 3  | aka A3 |
| D2   | 4  | aka A4 |
| D3   | 5  | aka A5 |
| D4   | 6  |        |
| D5   | 7  |        |
| D6   | 21 |        |
| D7   | 20 |        |
| D8   | 8  |        |
| D9   | 9  |        |
| D10  | 10 |        |

