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| **XIAO nRF52840 Microcontroller Pinout**  pir | **Button and LED Assignment**  **D0:** Joystick RIGHT (X+ / Blue wire)  **D1:** Joystick CENTER/TOP (5-way / Orange wire)  **D2:** Joystick UP (Y+ / Yellow wire)  **D3:** Joystick LEFT (X- / Pink wire)  **D4:** Joystick DOWN (Y- / Grey wire)  **D5:** Button A  **D6:** Button B  **D7:** Button C  **D8:** **RGB LED RED**  **D9:** **RGB LED BLUE**  **D10:** **RGB LED GREEN** |

[**MotoButtons 2 Pinout Data**](https://github.com/joncox123/MotoButtons2)

**Ruffy HS1 Joystick Pinout Table**

A chart of different colors

Description automatically generated with medium confidence

**QT Brightek RGB LED Pinout**

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| **Simplified Diagram** | **QBL8RGB60D0-2897** |