

[illegible]

Input

The input section includes two push buttons and a thumbstick. The push buttons, BTN_A and BTN_B, are connected to the +BATT supply through 10K resistors (R9 and R10) and to ground through 100nF capacitors (C5 and C4). Each button is controlled by a switch (SW2 and SW3). The thumbstick is connected to the Vdrive supply and ground through two resistors, RV1A and RV1B, which are labeled 2 and 5 respectively. The thumbstick outputs are THUMB_X and THUMB_Y.

Infrared Transceiver

LCD Display

The diagram shows the electrical connections for an LCD12864 module. The module's pins are numbered 1 through 7 on the left side. Pin 1 is connected to LCD_CS, pin 2 to LCD_RST, pin 3 to LCD_A0, pin 4 to LCD_SCLK, and pin 5 to LCD_SDA. Pin 6 is connected to Vdrive and pin 7 to GND. Pin 14 is connected to a 190R resistor (R2) which is then connected to LCD_BLK. Pin 13 is connected to GND. The module is labeled U3 and LCD12864.

Qwiic connector

The diagram illustrates the internal wiring of a Qwiic connector. It features a 4-pin connector labeled J2 (Qwiic). Pin 1 is connected to GND. Pin 2 is connected to VDD_EXT. Pin 3 is connected to I2C_SCL. Pin 4 is connected to I2C_SDA. The I2C_SCL line passes through a 190R resistor (R4) and the I2C_SDA line passes through a 190R resistor (R3). Both lines then pass through a FerriteBead (FB2) before reaching a 4K7 resistor (R6) and a 4K7 resistor (R5) connected to +BATT. The +BATT line is also connected to GND.

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