

Qwiic Haptic Driver - DA7280

ROB-17590

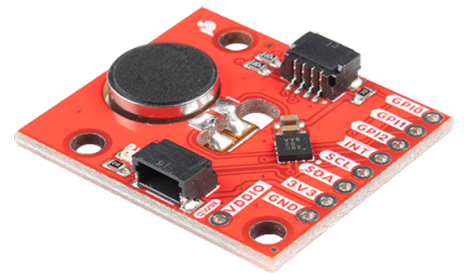
Product Overview

09/26/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

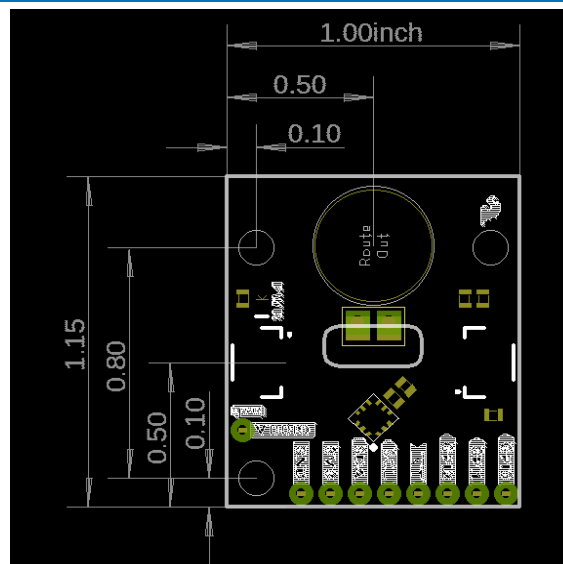
SparkFun Qwiic Haptic Driver - DA7280 includes a Linear Resonant Actuator (LRA) vibration motor and Dialog Semiconductor's DA7280 motor driver IC for applications that require haptic feedback. The vibration motor can be controlled with the DA7280 via I²C, PWM, or a combination of three general-purpose input pins. This device uses the handy Qwiic system, so no soldering is required to connect it to the rest of the system. However, 0.1"-spaced PTH pads are included in case a breadboard is preferred to access the driver's I²C, power, interrupt, and general-purpose input pins on the edge of the board. This board is ideal for projects that require a physical indicator whenever an event is triggered.



Features

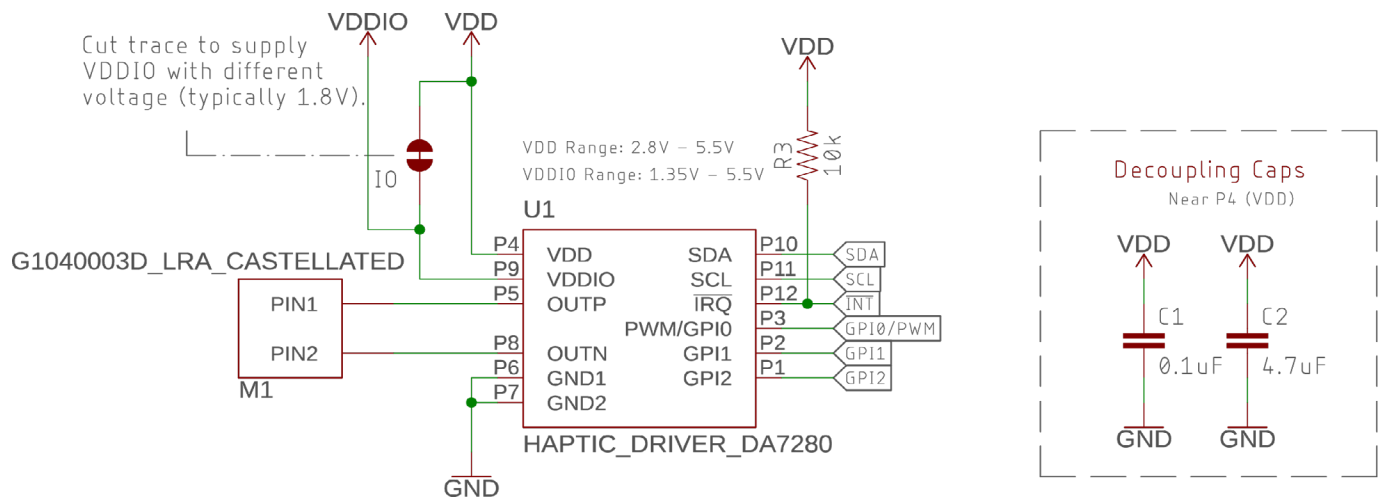
- 2x Qwiic connection ports
- 1x built-in LRA vibration motor

Board Dimensions

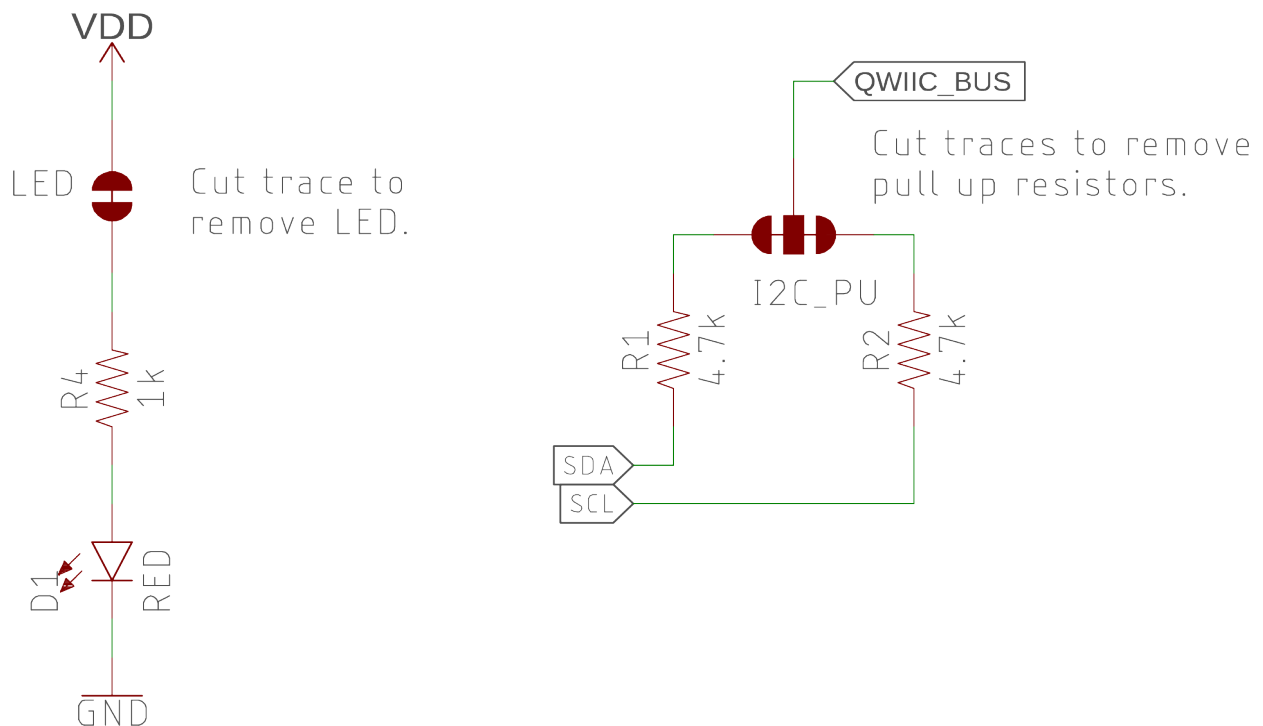


Schematic

Haptic Motor Driver and LRA Vibration Motor



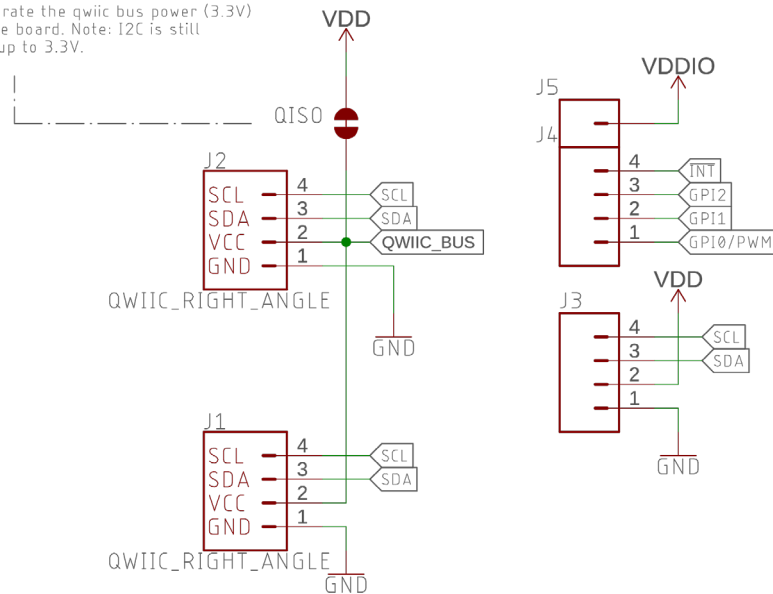
Jumpers



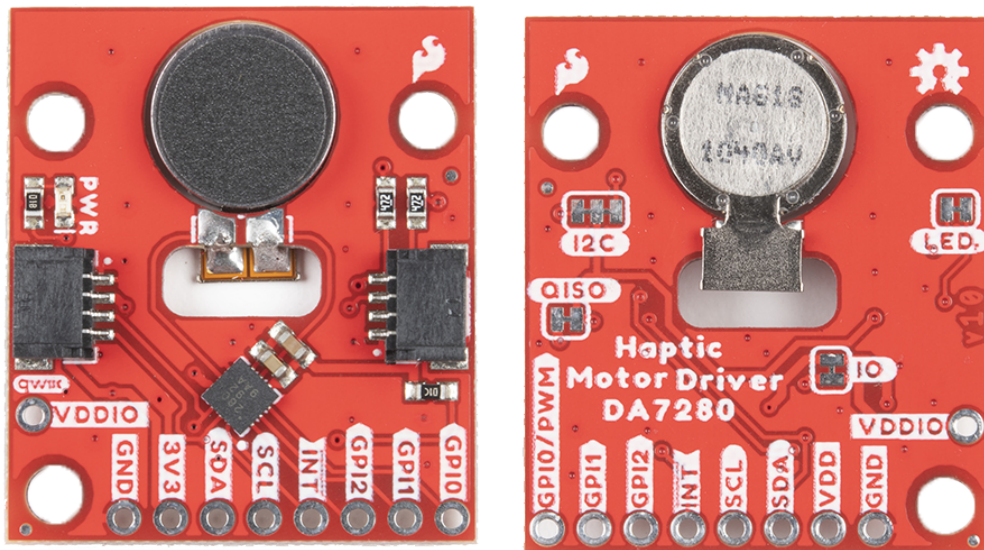
Schematic

Qwiic Connectors and Header

Qwiic Bus Isolate – cut this trace to separate the qwiic bus power (3.3V) from the board. Note: I2C is still pulled up to 3.3V.



Board Overview



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-qwiic-haptic-driver/>