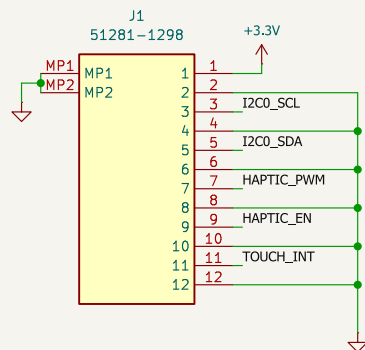


Connector

The diagram shows a 12-pin connector J1 (part number 51281-1298) connected to an MP1/MP2 module. The connections are as follows:

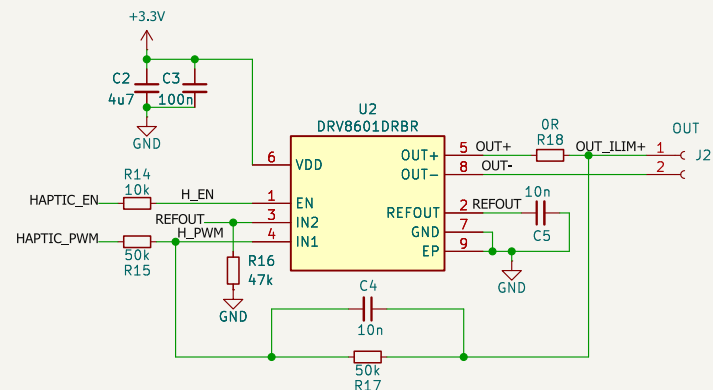
- Pin 1: +3.3V
- Pin 2: I2C0_SCL
- Pin 3: I2C0_SDA
- Pin 4: HAPTIC_PWM
- Pin 5: HAPTIC_EN
- Pin 6: TOUCH_INT
- Pin 7: Ground
- Pin 8: Ground
- Pin 9: Ground
- Pin 10: Ground
- Pin 11: Ground
- Pin 12: Ground

The MP1/MP2 module is shown as a yellow box with pins 1 through 12. The connections are color-coded: red for power and ground, green for data and control signals, and blue for ground.


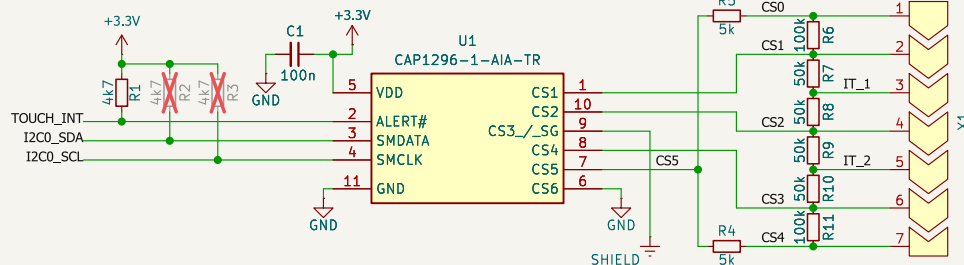


Haptic Driver

The diagram illustrates a Haptic Driver circuit centered around the DRV8601DRBR motor driver IC (U2). The circuit is powered by a +3.3V supply, which is decoupled by capacitors C2 (4uF) and C3 (100nF) connected to GND. The IC's VDD (pin 6) is connected to the +3.3V supply, and its GND (pin 7) is connected to a common ground point. The input signals HAPTIC_EN (pin 1) and HAPTIC_PWM (pin 4) are connected through resistors R14 (10k) and R15 (50k) respectively. The HAPTIC_PWM signal is also connected to the REFOUT pin (pin 2) through a 47k resistor (R16). The IC's EN (pin 1), IN1 (pin 4), and IN2 (pin 3) pins are connected to the HAPTIC_EN, HAPTIC_PWM, and REFOUT signals respectively. The output pins OUT+ (pin 5) and OUT- (pin 8) are connected to a load through a 10nF capacitor (C4) and a 50k resistor (R17) to GND. The OUT_ILIM+ pin (pin 1) is connected to the OUT+ pin through a 10nF capacitor (C5). The OUT_ILIM- pin (pin 2) is connected to the OUT- pin through a 10nF capacitor (C5). The OUT_ILIM+ and OUT_ILIM- pins are connected to a common ground point. The OUT_ILIM+ and OUT_ILIM- pins are connected to a common ground point. The OUT_ILIM+ and OUT_ILIM- pins are connected to a common ground point.



Touch Slider



H1 H2

Mechanical

Rev: 0
Id: 1/1