



The diagram illustrates the wiring for four microcontroller pins (J7, J9, J10, J11) connected to a breadboard. Each pin is connected to a 5V supply, ground, and a specific button. A note indicates that Sound Buttons should not be connected to the microcontroller.

- J7 Conn\_01x04\_Male:**
  - Pin 1: +5V
  - Pin 2: GND
  - Pin 3: DriveButton
  - Pin 4: +3.3V
- J9 Conn\_01x04\_Male:**
  - Pin 1: +5V
  - Pin 2: GND
  - Pin 3: ReverseButton
  - Pin 4: +3.3V
- J10 Conn\_01x04\_Male:**
  - Pin 1: +5V
  - Pin 2: GND
  - Pin 3: Sound1
  - Pin 4: +3.3V
- J11 Conn\_01x04\_Male:**
  - Pin 1: +5V
  - Pin 2: GND
  - Pin 3: Sound2
  - Pin 4: +3.3V

**Note:** Sound Buttons do not connect to the microcontroller.

