

The image contains three circuit diagrams for Grove I2C modules. The left diagram shows a Grove I2C module with pins 1, 2, 3, 4, 5, and 6. Pin 1 is connected to +3V3, pin 2 to GND, pin 3 to SCL, pin 4 to SDA, pin 5 to GND, and pin 6 to GND. The middle diagram shows a 4.7k resistor (R2) connected between the +3V3 supply and the SDA pin. The right diagram shows a 4.7k resistor (R3) connected between the +3V3 supply and the SCL pin.

[illegible]

The schematic diagram illustrates the relay control circuit. It features a +5V supply connected to a 1N4004 diode (D2) and a BSS138 MOSFET (Q1). The MOSFET's gate is driven by a signal from a relay (RELAY) through a 165 ohm resistor (R10). A 10K resistor (R11) is connected between the gate and ground. The MOSFET's drain is connected to the +5V supply through a 1000uF capacitor (C4). The relay is controlled by the MOSFET and has a bypass switch (RELAY_BYPASS) and a fuse (VBUS_FUSED).

The diagram shows the wiring for the Grove3 module. The module has pins labeled 1 through 6. Pin 1 is connected to +3V3. Pin 2 is connected to D0. Pin 3 is connected to D8. Pin 4 is connected to GND. Pin 5 is connected to GND. Pin 6 is connected to GND. A capacitor C8 (100µF) is connected between pin 6 and GND. The module is labeled 'Grove3' and 'Grove GPIO'.

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	Company: Cosmic Bee	Sheet: 1/1
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