Spaceship Interface

Description

      For this example we will be using a momentary push button to reset the LED lights. We will be using the code provided under the examples on the Arduino* IDE 1.5.3.

Hardware

- Intel® Galileo
- Breadboard
- Momentary push button
- Wires
- 3-220 ohm resisters
- 1-10K ohm resistor
- 1 Green LED
- 2 Blue LED

Instructions *(see sketch for details)*

1. Place 3 LED on breadboard.
2. Connect GND from the Galileo Board to the GND strip on the Breadboard.
3. Connect 5V from the Galileo pin to 5V strip on the Breadboard
4. Connect all LED from negative side to GND strip.
5. Place 220 Ohm resistor from negative side of LED to the negative strip of the breadboard.
6. From left to right connect the other side of the resistors to pin-outs 3-5 on the Galileo.
7. Connect the pushbutton from 5V strip to left-bottom pin and 10K resistor from negative strip to right-bottom pin.
8. Connect a wire from right-bottom leg to pin-out 2 on the Galileo.
9. Connect power supply to the Galileo and USB to USB Client Port on the Galileo.
10. Open Arduino IDE under Tools → Board select Intel® Galileo.
11. Under Tools → Serial Port select the Com # where the Galileo is connected to.
12. Under File → Examples → 05.Control and select the "switchCase2" example.
13. Upload to the Galileo by clicking the upload button.

Circuit