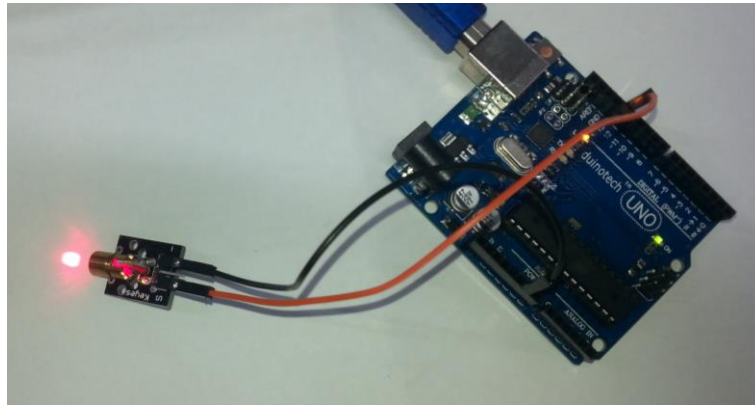


XC4490 Laser Diode Module

The laser diode module brings a controllable laser to your Duinotech Main Board. The laser can be driven directly from a Duinotech IO pin. As with all lasers, be careful that the laser is not aimed in anyone's eyes.

Pin	Main Board	Function	Comment
S	D13	5V supply	Put 5V on this pin to turn the module on
		Not connected	No need to connect anything to this pin.
-	GND	Ground connection	Ground connection



In the above example, S is connected to pin 13 on the Duinotech Main Board and – is connected to GND, and the 'Blink' sketch is uploaded from the Arduino IDE (from Examples/Basics under the file menu). This blinks the laser on and off.

Sample Code:

```
/*
  Blink
  Turns on an LED on for one second, then off for one second, repeatedly.

  Most Arduinos have an on-board LED you can control. On the Uno and
  Leonardo, it is attached to digital pin 13. If you're unsure what
  pin the on-board LED is connected to on your Arduino model, check
  the documentation at http://arduino.cc

  This example code is in the public domain.

  modified 8 May 2014
  by Scott Fitzgerald
  */

// the setup function runs once when you press reset or power the board
void setup() {
  // initialize digital pin 13 as an output.
  pinMode(13, OUTPUT);
}

// the loop function runs over and over again forever
void loop() {
  digitalWrite(13, HIGH); // turn the LED on (HIGH is the voltage level)
  delay(1000);           // wait for a second
  digitalWrite(13, LOW); // turn the LED off by making the voltage LOW
  delay(1000);           // wait for a second
}
```