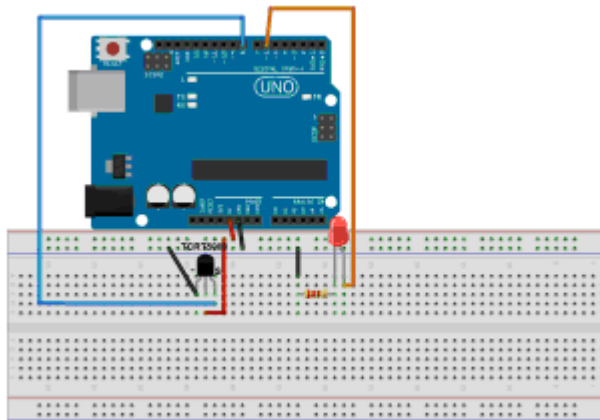


TCRT5000 infrared/optical tracking sensor can detect infrared light. If infrared light is detected, the module S pin will send high voltage signal to arduino or other device.

Connect TCRT5000 module to Arduino as per following graph.



CODE:

```
/* TCRT5000 infrared/optical tracking sensor project
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sophie@weikedz.com. If any question, for orders,
for technical problems, pls contact us.
We will response you fastest time.
*/

int Led = 6 ;// connect LED to arduino D6
```

```
int input_pin = 8; // connect TCRT5000 module S pin to arduino D8
int val ;// define numeric variables val
void setup ()
{
  pinMode (Led, OUTPUT) ;// define LED as output interface
  pinMode (input_pin, INPUT) ;// define Tracking sensor output interface
}
void loop ()
{
  val = digitalRead (input_pin) ;
  if (val == HIGH) // When the Tracking sensor detects a signal, LED flashes
  {
    digitalWrite (Led, HIGH);
  }
  else
  {
    digitalWrite (Led, LOW);
  }
}
```