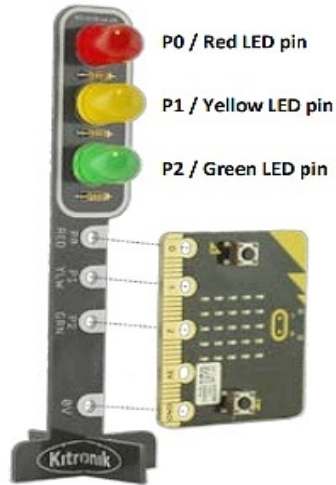


Module Stop:Bit 5642  
pour carte micro:bit



Important => Bibliothèque...  
Recherche avec "stop :bit"

### Départ de Grand prix F1

### Cycle de démarrage

```

au démarrage
  pause (ms) 1000
  Turn Red Traffic Light On
  pause (ms) 100
  Turn Yellow Traffic Light On
  pause (ms) 100
  Turn Green Traffic Light On
  pause (ms) 100
  Turn Green Traffic Light Off
  Turn Yellow Traffic Light Off
  Turn Red Traffic Light Off
  
```

### Commandes direct

```

lorsque le bouton A est pressé
  Make Traffic Light state to Go
  
```

```

lorsque secouer
  Make Traffic Light state to Ready To Stop
  
```

```

lorsque le bouton B est pressé
  Make Traffic Light state to Stop
  
```

```

lorsque le bouton A + B est pressé
  Turn Red Traffic Light Off
  Turn Yellow Traffic Light Off
  Turn Green Traffic Light Off
  pause (ms) 500
  Turn Red Traffic Light On
  pause (ms) 1000
  Make Traffic Light state to Get Ready
  pause (ms) 1000
  Turn Green Traffic Light On
  pause (ms) 1000
  Turn Red Traffic Light Off
  Turn Yellow Traffic Light Off
  
```

# STOP:bit for the BBC micro:bit

www.kitronik.co.uk/5642

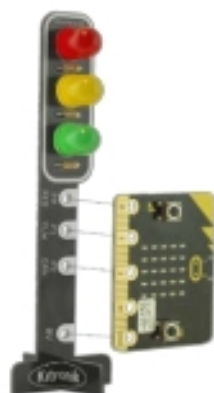


**Introduction:** The STOP:bit is a bolt-on/clip-on board for the BBC micro:bit replicating a traffic light. The PCB has been designed to have the same physical features of a traffic light, with the addition of a BBC micro:bit as the pedestrian crossing control box.

**LEDs:** The STOP:bit has 3 10mm LEDs (1 Red, 1 Yellow, 1 Green). Each of these LEDs is driven from one of the BBC micro:bit IO pins. The table to the right gives the connections between the LEDs and the IO pins.

Pinout	
P0	Red LED
P1	Yellow LED
P2	Green LED

**Power:** Power is supplied from the BBC micro:bit connections



**Connection:** x5 M3 countersunk screws allow the user to bolt the STOP:bit onto the BBC micro:bit.

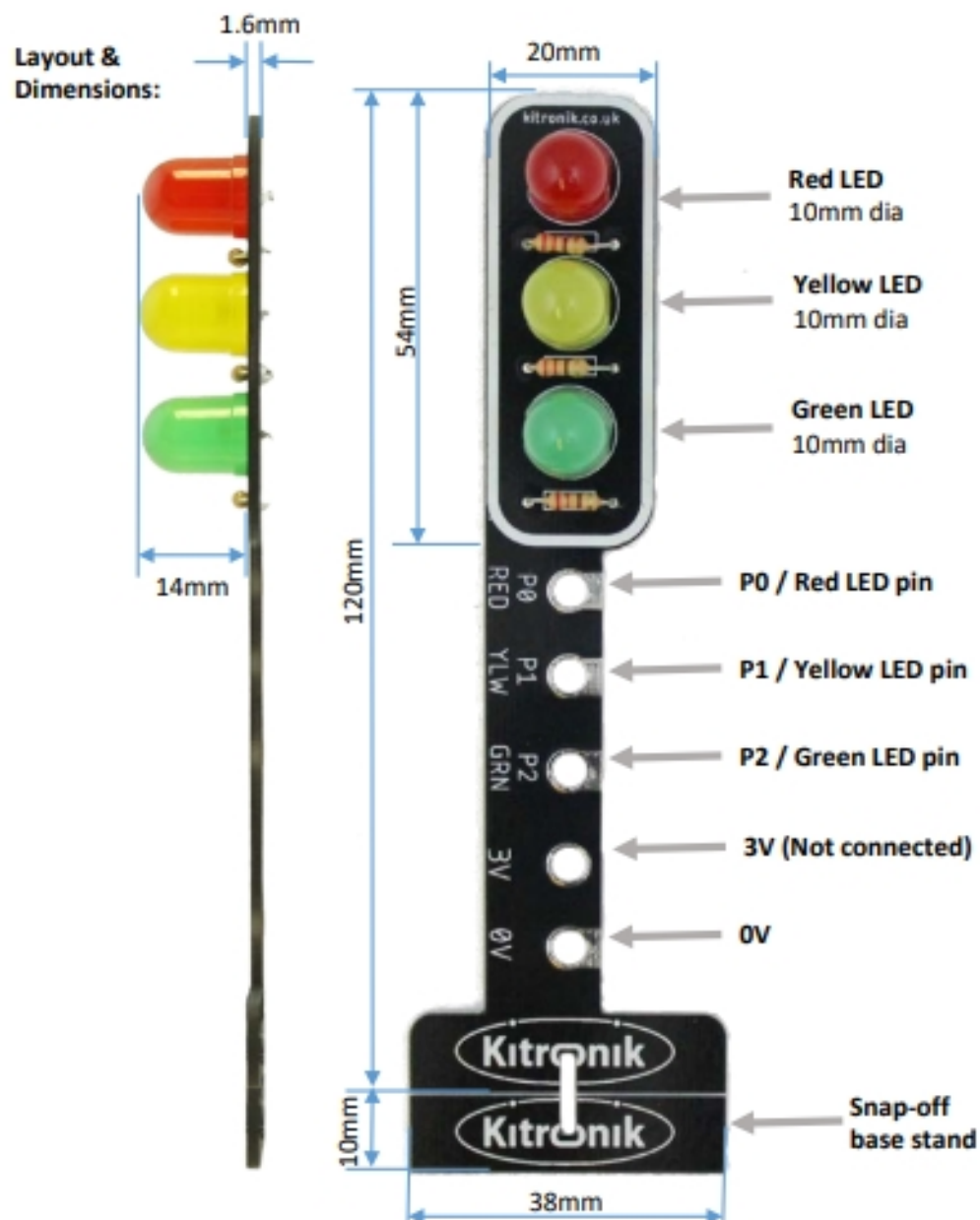
Crocodile clips also can be used between the pads on the STOP:bit and the matching pads on the BBC micro:bit.

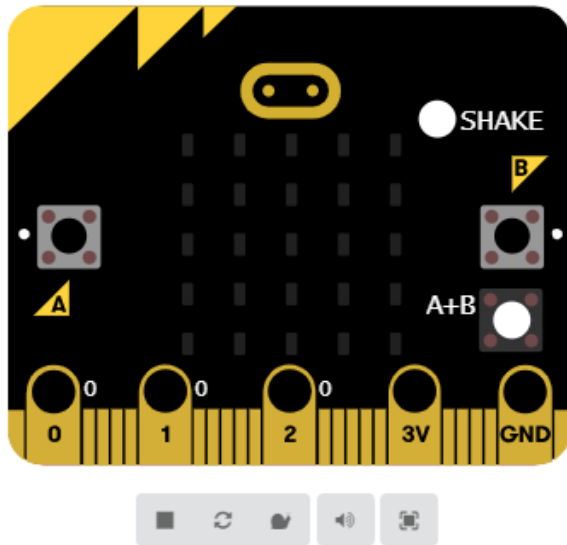
**Stand:** The bottom section of the STOP:bit PCB is designed to break off and then slot together with the main PCB to form a stable cross base.

**Software:** Custom MAKECODE blocks have been created. They are available at:

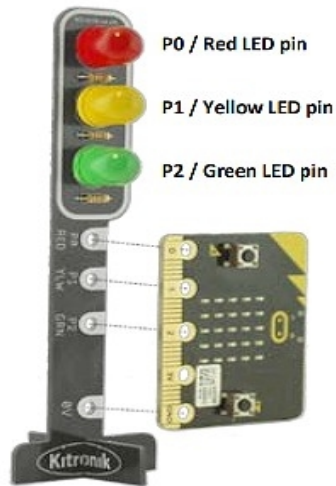
<https://github.com/KitronikLtd/pxt-kitronik-stopbit>

It is also possible to use the 'digital write pin' block to operate the LEDs.





**Module Stop:Bit 5642**  
pour carte micro:bit



Travail à effectuer :  
**Apporter les modifications**  
**pour un affichage sur GRILLE-led**

Cycle de démarrage

```

au démarrage
  pause (ms) 1000
  Turn Red Traffic Light On
  pause (ms) 100
  Turn Yellow Traffic Light On
  pause (ms) 100
  Turn Green Traffic Light On
  pause (ms) 100
  Turn Green Traffic Light Off
  Turn Yellow Traffic Light Off
  Turn Red Traffic Light Off
  
```

Commandes direct

```

lorsque le bouton A est pressé
  Make Traffic Light state to Go
  afficher texte "V"

lorsque secouer
  Make Traffic Light state to Ready To Stop
  afficher texte "0"

lorsque le bouton B est pressé
  Make Traffic Light state to Stop
  afficher texte "R"
  
```

Départ de Grand prix F1

```

lorsque le bouton A + B est pressé
  Turn Red Traffic Light Off
  Turn Yellow Traffic Light Off
  Turn Green Traffic Light Off
  montrer l'icône [Grid Icon]
  pause (ms) 500
  Turn Red Traffic Light On
  pause (ms) 1000
  Make Traffic Light state to Get Ready
  pause (ms) 1000
  Turn Green Traffic Light On
  pause (ms) 1000
  Turn Red Traffic Light Off
  Turn Yellow Traffic Light Off
  montrer l'icône [Grid Icon]
  
```

