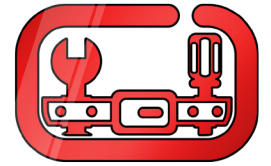
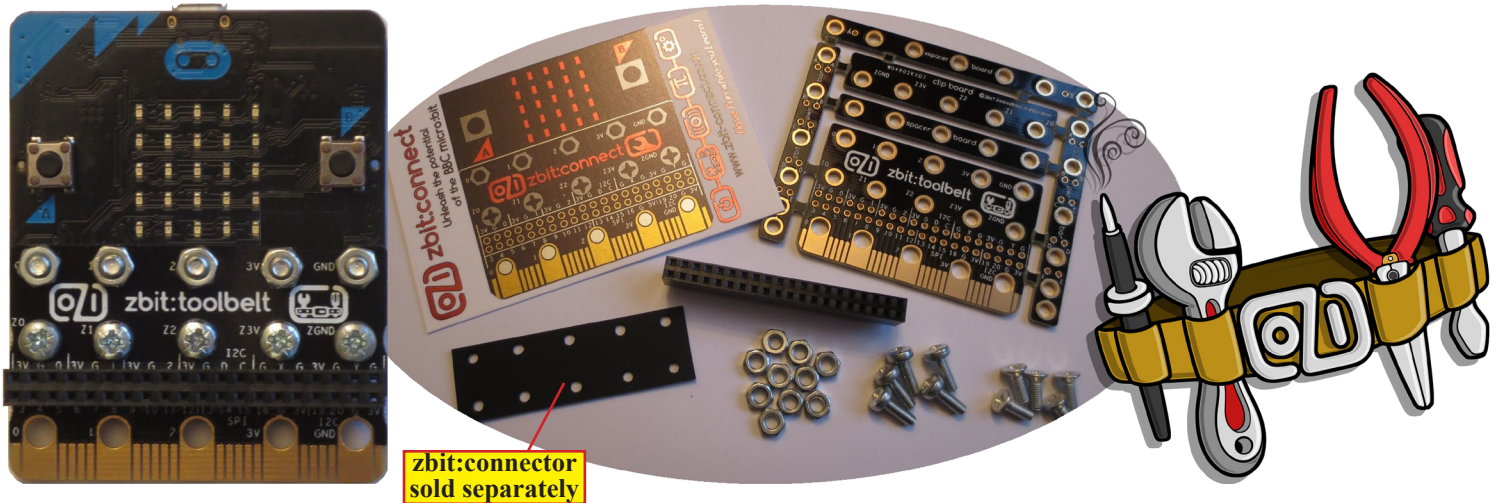




zbit:toolbelt



for the BBC micro:bit



Attach Sensors, LEDs and zbit:toolkit boards to your BBC micro:bit with zbit:toolbelt!

"Have Fun while you Learn!"

zbit:toolbelt provides a **40 pin connector** into which you can plug a range of **Sensors, LEDs and zbit:toolkit** boards.

Boards in the **zbit:toolkit** range include **zbit:headphones, zbit:shaker, zbit:power** and **zbit:logic:probe**.

Experiment by connecting extra electronic components to your micro:bit and control them from your code!

Like all 'zbit:connect' family boards, **zbit:toolbelt** uses the *unique* 'zbit:connector' which allows it to be simply 'bolted' on to the bottom of your micro:bit!

Furthermore the **micro:bit compatible edge connector** at the bottom allows it to be plugged into *other* micro:bit accessories or attached to *more* zbit:connect boards!

www.zbit-connect.co.uk

zbit:toolbelt Data Sheet (Preliminary)

Contents

- 1 x zbit:toolbelt board
- 1 x Spacer board
- 1 x Clip board
- 1 x XSpacer board
- 2 x zbit:power:bars
- 5 x M3x8 Panel Head Screws
- 5 x M3x8 Countersunk Head Screws
- 10 x M3 Nuts
- 1 x 40 pin connector (*requires soldering*)

(zbit:connector - optional extra - sold separately*)

*A zbit:connector is only required if board connects to small pads P3-20

For more information see 'zbit:connect family guide'

Features

The zbit:toolbelt board has the following features:-

- **52x33mm PCB** ('half size' zbit:connect board)
- **zbit:connector compatible** edge connector at the top
- **micro:bit compatible** edge connector at the bottom
- **Top Row Header** for connection to P0, P1, P2, I2C, 3V, GND, X & Y
- **Bottom Row Header** for connection to P3-20, 3V & GND
- **Top and Bottom Row Headers together** make a **40 pin connector**
- **Z0, Z1, Z2, Z3V & ZGND Fixing Holes**
- Connects to other **full size or half size zbit:connect boards** in X, Y or Z axis
- Can be plugged into **micro:bit accessories from other companies**

Tools Required

- Pozidrive Screwdriver
- Pliers
- Small File
- Soldering Iron
- Solder

Assembly Instructions

- Visit www.zbit-connect.co.uk

WARNING!
CONTAINS SMALL PARTS
SO IS NOT SUITABLE FOR
CHILDREN UNDER 3 YEARS



**SOLDERING SHOULD BE
SUPERVISED BY AN ADULT**