



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Bearables Bear LED Badge /PIM315



A bewildered bear badge with 12 coloured LEDs and 12 light patterns, that's sewable, hackable, wearable, and adorable!

Bearables is a range of woodland-themed wearable LED badges and sensors. Wear the badges on their own, or connect them to one of the sensors with conductive thread to bring them to life. Designed for kids* (suggested age 8+) and grown-up kids alike!

Attach your badge using thread (normal or conductive), a safety pin, a small disc magnet, or some double-sided sticky tape.

**Contains small parts. Not suitable for children 3 years or younger. This is not a toy. Keep battery out of reach of children. If ingested, seek medical help immediately.*

Kit contains

- Bear badge with 12 LEDs (multi-coloured)
- CR2032 3V coin cell battery
- Sticker sheet

Features

- 12 coloured LEDs (blue, green, yellow, orange, red, pink)
- 12 light patterns
- Multi-functional button (mode change, sleep, trigger mode)
- PIC16F1503 microcontroller
- Two sewable hooks
- Compatible with Bearables analog sensors
- Battery life of 3-4 days with a CR2032 coin cell battery

Using your Bearables badge

Press the multi-functional button on your badge briefly to cycle through the light patterns. Each of the LEDs will light to indicate which of the 12 patterns is currently selected. Press and hold the button to put your badge into sleep mode.

The nifty design of the badges and sensors means that it's super-simple to connect them. It doesn't matter which way round they're connected. Just connect one hook on the badge to one hook on the sensor with conductive thread, then do the same with the other two hooks.

Once a sensor is connected, press and hold the multi-functional button to put your badge into trigger mode. Now when you trigger the sensor, the LED lights on your badge will light up.

Notes

- **Bearables badges and sensors are not waterproof or washable**
- Ensure that the two pieces of conductive thread connecting your Bearables badge and sensor do not touch, bearing (pun intended) in mind that they may touch when the fabric is creased or folded. Nothing bad will happen, the sensor just won't work as it should.
- The hooks on the back can be shorted without any damage to the badge, although it may trigger the LEDs similar to triggering them with a sensor. A painted or coated safety pin will work better than a bare metal one.
- A dab of clear nail varnish on the conductive thread around the hook can help to give a better, more reliable connection
- Dimensions: 41x35x5mm (LxWxH)