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INDUSTRIAL PRODUCT DATASHEET

B-Squares (LED-SQUARE)

The B-Squares LED-Square is a magnetic modular tile with three multi-color LEDs offering switchable white/RGB modes and user-adjustable colors for solderless prototyping.

SKU	UPDATED	PRICE
110990025	2024-08-09 02:15:16	$30.00(Excl. VAT)



Overview



The B-Squares LED-Square is a magnetic-connectable module that snaps together without wires, forming arrays for rapid prototyping. It includes three multi-color LEDs that function as white LEDs in one orientation and as RGB LEDs with adjustable potentiometers in a 90° rotated orientation.

Key Features

B-Squares is a 3D modular electronics system with an emphasis on solar power and expandable energy storage, enabling the hobbyist to prototype clean-tech and Arduino inventions faster than ever before.

The Squares have magnetic contacts on each corner which allow them to easily snap together without wires. These magnetic contacts are also used to transmit electric signals between the Squares. This design allows users to quickly assemble Squares into arrays, with power flowing through the array, without wiring or soldering. The LED-Square includes three multi-colors Light Emitting Diodes (LED).

- In one orientation the LED-Square will be activated with White LEDS. With a 90 degree rotation the LED-Square will be activated with the Red-Blue-Green (RGB) LEDs.
- To adjust the overall color of the RGB LEDs, remove the top cover as instructed below and adjust the three (3) potentiometers, labeled "Red", "Blue", and "Green" to get the desired color.

Features

- High strength magnetic contacts.
- 3 Bright White LEDs.
- 3 RGB LEDs.
- User selectable RGB color combinations

Absolute Maximum Ratings

- Contact voltage..... -5V to 5V
- Temperature..... -20°C to 45°C

Resource

- **Project page from KickStarter**
- **B-Squares Homepage**
- **B-Squares Datasheet**

Product Gallery



Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/B-Squares-LED-SQUAR-p-1016.html

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