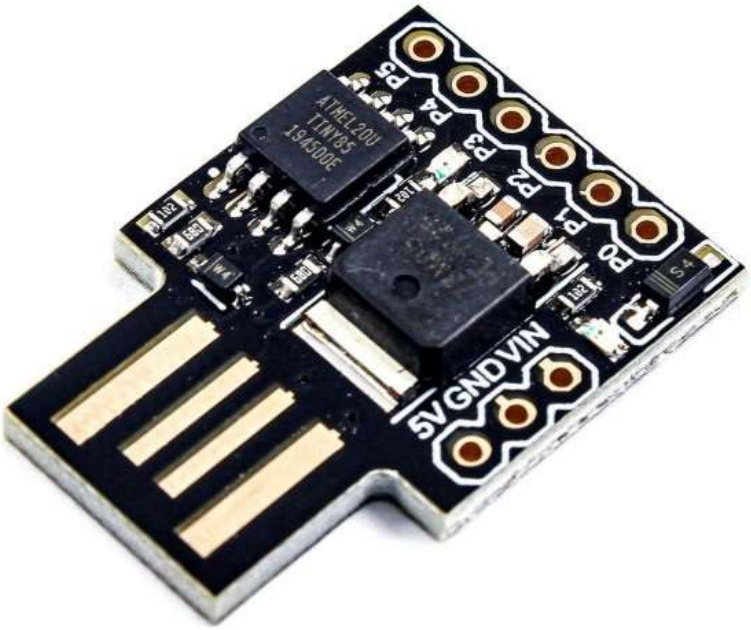
DIGISPARK USB



The Digispark USB Attiny85 is a tiny and powerful development board that packs an ATtiny85 microcontroller and a USB connector into a compact form factor. Despite its small size, this board offers remarkable capabilities for creating simple projects and custom USB devices. The ATtiny85 microcontroller provides programmable I/O pins, making it suitable for a variety of tasks, from lighting LEDs to reading sensors. With USB support and a dedicated bootloader, the Digispark USB Attiny85 enables you to easily program and interact with the board using USB connectivity.

Specificatoins of Digispark USB Attiny85 Development Board :

- Microcontroller: ATtiny85
- CPU Frequency: 16 MHz
- Flash Memory: 8 KB
- RAM: 512 bytes
- Digital I/O Pins: 6
- Analog Input Pins: 4 (10-bit resolution)
- Communication: USB (HID) via onboard USB connector

- Operating Voltage: 5V
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Features of Digispark USB Attiny85 Development Board :

- USB Connectivity: The Digispark USB Attiny85 can act as a USB Human Interface Device (HID), enabling simple and straightforward communication with a computer, making it ideal for custom USB peripherals and interaction.
- Compact Size: Its diminutive size allows for discreet integration into various projects, making it suitable for wearables, sensors, and devices with limited space.
- Versatile I/O: Despite its small footprint, the ATtiny85 microcontroller provides a sufficient number of digital and analog pins for interfacing with components, sensors, and actuators.
- Usage Tip:
- Install the Digispark bootloader and USB driver before programming the Digispark USB Attiny85. Utilize the Digispark Arduino IDE or compatible programming environments to write and upload code to the board. Keep in mind that the limited resources of the ATtiny85 may require careful code optimization for more complex projects.
- Caution:
- Due to its compact size and limited I/O, the Digispark USB Attiny85 may not be suitable for complex applications or projects requiring extensive I/O capabilities or memory. Handle the board with care to avoid damage to its small components.