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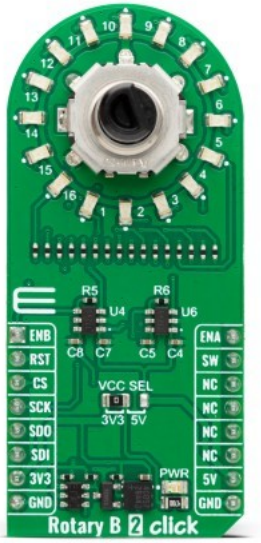
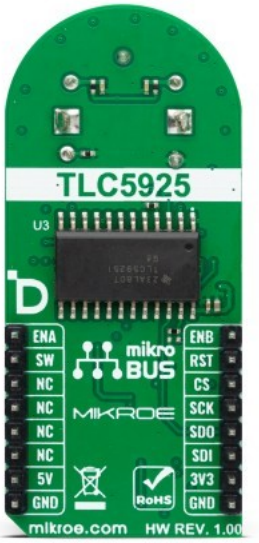
Rotary B 2 Click





PID: MIKROE-5974

Rotary B 2 Click is a compact add-on board that allows you to add a precision input knob to your design. This board features the TLC5925, a low-power 16-channel constant-current LED sink driver from Texas Instruments that, combined with a high-quality rotary encoder from ALPS, the EC12D1564402, allows you to add a precision input knob to your design. It also features an LED ring composed of 16 individual blue LEDs that can be used to represent the encoder position more visually. This Click board™ makes the perfect solution for the development of various interesting visual effects for any application, such as flexible position, value indicator, and more.

Rotary B 2 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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Specifications

Type	Rotary encoder
Applications	Can be used for the development of various interesting visual effects for any application, such as flexible position, value indicator, and more
On-board modules	TLC5925 - low-power constant-current LED sink driver from Texas Instruments
Key Features	High quality, SPI interface, a ring of 16 blue LEDs controlled individually, various lighting effects, knob feature, low power consumption, flexibility, efficiency, precision, and more
Interface	GPIO,SPI
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

ClickID

Downloads

SN74LVC1T45 datasheet

EC12D1564402 datasheet

TLC5925 datasheet

Rotary B 2 click example on Libstock

Rotary B 2 click schematic

Rotary B 2 click 2D and 3D files