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Watchdog Click





PID: MIKROE-4416

Watchdog Click is a compact add-on board that contains a simple countdown timer for a wide variety of applications. This board features the TPS3430, a standalone watchdog timer with a programmable watchdog window and programmable reset delay from Texas Instruments. The TPS3430 has the watchdog output reset delay set by factory-programmed default delay settings or programmed by an external capacitor. It achieves 2.5% timing accuracy at the typical temperature of 25°C and can be disabled via two SET pins to avoid undesired watchdog timeouts during the development process or Power-On. This Click board™ can be used as a countdown timer in MCU, DSP, FPGA, ASIC, and many more.

Watchdog Click is supported by a $\underline{\mathsf{mikroSDK}}$ compliant library, which includes functions that simplify software development. This $\underline{\mathsf{Click}}$ board $\underline{\mathsf{comes}}$ comes as a fully tested product, ready to be used on a system equipped with the $\underline{\mathsf{mikroBUS}}^{\mathsf{m}}$ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.







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Specifications

Туре	RTC
Applications	Can be used as a countdown timer in MCU, DSP, FPGA, ASIC, and many more.
On-board modules	TPS3430 - standalone watchdog timer with a programmable watchdog window and reset delay from Texas Instruments
Key Features	User-programmable watchdog window and reset delay, disable feature, accuracy, high-precision, and more.
Interface	GPIO
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

Watchdog click 2D and 3D files

TPS3430 datasheet

Watchdog click schematic

Watchdog click example on Libstock

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health and safety management system.





