

UT-S 7-SEG R Click



PID: MIKROE-2840

7-segment LED display is the most commonly used type of display to represent changing numerical values. The principle is very simple - seven LED segments are positioned in a certain shape and by turning specific segments on or off, the shape that resembles a specific number is lit. This method of displaying numbers was first used in the beginning of the 20th century, but after the invention of the LED in '70, it is the most commonly used method to display numbers. It utilizes a fairly simple and cheap design with the numbers clearly visible. Be it a clock on the nightstand, a billboard at the airport, a gauge on some machine, a panel on some instrument or a display on the pump at the gas station - the numbers will be always easy to see and read, even in the dark.

UT-S 7 SEG R click uses two SMD ultra-thin [DSM7UA20101](#) 7-SEG LED displays, made with the patented technology that delivers thickness of only 2.1 mm. These displays are driven by the [MAX6969](#), a constant current LED integrated driver from [Analog Devices](#), which uses the SPI serial interface for communication and delivers steady and constant power source for the LED segments.

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.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	7-segment,LED Segment
Applications	Displaying characters on two 7 segment displays
On-board modules	MAX6969 16-Port, 5.5V Constant-Current LED Driver
Key Features	Low power, low profile SMD 7 seg displays, common anode, serial 4-Wire communication, up to 25Mbit/s
Interface	PWM,SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™ standard specifications](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[MAX6969 datasheet](#)

[UT-S 7-SEG R click example on Libstock](#)

[DSM7UA20101 datasheet](#)

[UT-S 7-SEG click schematic](#)

[UT-S 7-SEG R click 2D and 3D files](#)

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.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).