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8800 Retro Click

PID: MIKROE-4771

8800 Retro Click is a compact add-on board that simplifies the control of multiple LEDs. This board features the AS1115, compact LED driver for 8x8 display screen programmed via a compatible 2-wire I2C interface from ASM-AG. The AS1115 includes an integrated BCD code-B/HEX decoder, multiplex scan circuitry, segment and display drivers, and 64-bit memory. Internal memory stores the shift register settings, eliminating the need for continuous device reprogramming. All outputs of the AS1115 can be configured for key-readback, where key-switch status is obtained by polling for up to 64 keys, while 16 keys can be used to trigger an interrupt. This Click board™ is suitable for seven-segment or dot matrix user-interface displays and other white goods or personal electronic applications.

8800 Retro Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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Specifications

Type	LED Matrix,Pushbutton/Switches
Applications	Can be used for seven-segment or dot matrix user-interface displays and other white goods or personal electronic applications
On-board modules	AS1115 - compact LED driver for 8x8 display screen programmed via a compatible 2-wire I2C interface from ASM-AG
Key Features	Low power consumption, individual LED segment control, readback for 16 buttons, interrupt feature, LED error detection, low power shutdown current, software reset, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

8800 Retro click schematic

AS1115 datasheet

8800 Retro click 2D and 3D files

8800 Retro click example on Libstock