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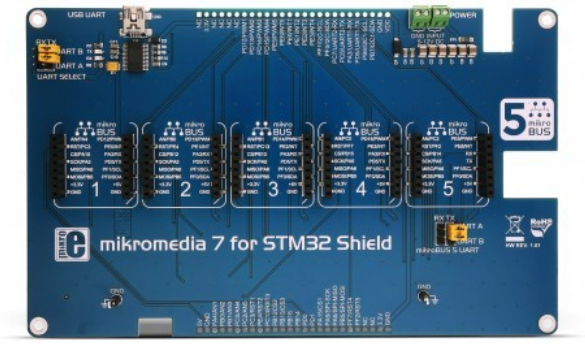
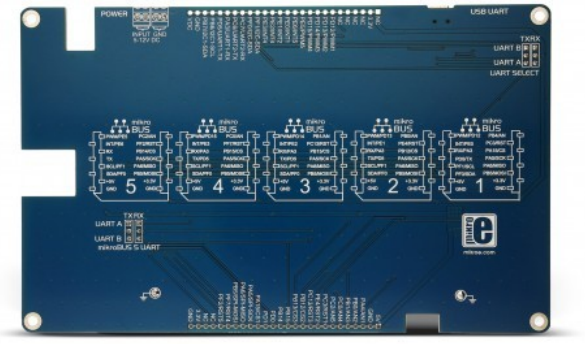
mikromedia 7 for STM32 Shield





PID: MIKROE-2812

mikromedia 7 for STM32 Shield is the perfect way to expand the functionalities of your mikromedia 7 for STM32F4 and mikromedia 7 for STM32F7 with five mikroBUS™ sockets - add any functionality from our ever-growing range of Click boards™. We are fully stocked with everything from sensors and wifi transceivers to motor control and audio amplifiers.

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Click here to learn more about the mikromedia 7 for STM32F4 and mikromedia 7 for STM32F7.

What's on the board

Take a look at the video, and find out what the mikromedia 7 for STM32 Shield has to offer.

The board features a UART select jumper, five mikroBUS™ sockets, connection pads, FTDI USB-UART converter and an external power supply screw terminal.

Click board™ range

As you already know, our Click board™ range is constantly growing - currently 1645 different Click boards™ are available in our shop. From sensors and wireless transceivers to motor control and LED displays.

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UART interfaces

There are 2 UART interfaces available on the shield, routed from the mikromedia 7 for STM32. One of the mikroBUS™ slots - mikroBUS 5 - can have either one of the two UART lines routed to the mikromedia 7 for STM32, selectable by the mikroBUS™ 5 UART jumper selector. Other 4 mikroBUS™ slots are hardwired to one UART only.

The shield also has the FT232 USB to UART circuit on board. Its RX and TX lines can also be routed to any of the two UART interface lines of the mikromedia 7 for STM32, by using the UART SELECT jumper selectors. The integrated USB to UART interface is very handy for connecting the shield to the computer and reading UART data on any UART terminal - it is recommended to use the UART terminals, found in every MikroElektronika compiler since those terminals are easy to use and are optimized for working in embedded development environment.

Note: If the WiFi SMD jumper is set to enable the WiFi on the mikromedia for STM32, one of the UART lines won't be available on the shield.

Specifications

Type	Shield
Architecture	ARM (32-bit)
Display size	7"
Compatibility	mikroBUS™
Silicon Vendor	STM
Display type	mikromedia,Shields

Resources

mikroBUS™

Click Boards™

Downloads

mikromedia 7 for STM32 Shield schematic