

## Mikromedia 4 for STM32 Capacitive



PID: MIKROE-3618

### Sound, connectivity & expandibility

Resource-demanding and complex audio processing tasks can be offloaded from the host MCU by utilizing a dedicated audio CODEC IC, labeled as VS1053B. This IC supports many different audio formats, commonly found on various digital audio devices.

This development board is not limited to multimedia-based applications only. USB, digital motion sensor, battery charging functionality, SD card reader and much more expands its use beyond the multimedia.

### State of the art power supply, Display & Graphic controller

A high-quality 4.3" TFT true-color display with a capacitive touch panel is the most distinctive feature of the mikromedia 4. The display module is controlled by the SSD1963 graphics driver IC from Solomon Systech. This is a powerful graphics coprocessor, equipped with 1215KB of frame buffer memory. It also includes some advanced features such as the hardware accelerated display rotation, display mirroring, hardware windowing, dynamic backlight control, programmable color and brightness control, and more.

### Specifications

Type	mikromedia 7
Architecture	ARM (32-bit)

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).

Display size	4.3"
Resolution	480x272px
Graphic controller	SSD1963
Touch Screen	Capacitive
Silicon Vendor	STM
Frame Type	Standard
Features	Buzzer,USB Type C,USB Host,Temperature sensor,SD Card,RGB LED,RF,Optical sensor,ON/OFF switch,MP3,IR receiver,External DC source,Battery Powered,Battery for RTC,Batt. Chg. when OFF,Accel
Display type	mikromedia

## Downloads

[mikromedia 4 for STM32F4 CAPACITIVE schematic](#)

[mikromedia 4 for STM32F4 CAPACITIVE Manual](#)

[mikromedia 4 for STM32F4 CAPACITIVE 2D and 3D files](#)

[mikromedia 4 for STM32F4 CAPACITIVE example on libstock](#)

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