

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

www.mikroe.com

Mikromedia 3 for STM32F4 Capacitive FPI with frame



PID: MIKROE-3840

Rich with peripherals

Mikromedia 3 for STM32F4 CAPACITIVE FPI with frame 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.

Mikromedia 3 for STM32F4 CAPACITIVE FPI with frame has two mikroBUS™ Shuttle connectors, a brand-new addition to the mikroBUS™ standard in the form of a 2x8-pin IDC header with 1.27mm (50mil) pitch. mikroBUS™ Shuttle extension board is an add-on board equipped with the conventional mikroBUS™ socket, which ensures compatibility with 894 Click boards™.

Awesome graphics on MCU driven TFT

Mikromedia 3 for STM32F4 CAPACITIVE FPI with frame is a compact development board designed as a complete solution for the rapid development of multimedia and GUI-centric applications. By featuring a 3.5" TFT display with capacitive touch screen driven by the powerful graphics controller that can display the 24-bit color palette (16.7 million colors), along with a DSP-powered embedded sound CODEC IC, represents a perfect solution for any type of multimedia application.

Develop-on & build-in the same board

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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Mikromedia 3 for STM32F4 CAPACITIVE FPI (FPI stands for Front Panel Integration) with frame is designed as the complete solution. It can be implemented directly into any project, with no additional hardware modifications. At its core, there is a powerful 32-bit STM32F407VGT6 microcontroller from STMicroelectronics, which provides sufficient processing power for the most demanding tasks. Board has a TFT display with a metal frame, and four mounting holes that enable simple installation in various kinds of industrial appliances. For most uses, a nice casing is all that is needed to turn this product into a high-performance, feature-rich device. This board requires the use of an external programmer and debugger, preferably **CODEGRIP** or mikroProg. The microcontroller can be programmed and debugged over the JTAG/SWD

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Specifications

Туре	mikromedia
Architecture	ARM (32-bit)
Display size	3.5"
Resolution	320x240px
Graphic controller	SSD1963
Touch Screen	Capacitive
Silicon Vendor	STM
mikroBUS No.	2
Frame Type	Metal Frame
Features	Accel,USB Type C,USB Host,SD Card,ON/OFF switch,MP3,Battery Powered,Batt. Chg. when OFF
Display type	mikromedia

Downloads

Mikromedia 3 for STM32F4 Capacitive FPI with frame Manual

compatible 2x5 pin header, labeled as PROG/DEBUG.

Mikromedia 3 for STM32F4 Capacitive FPI with frame 2D and 3D files

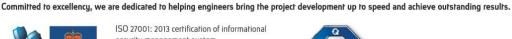
Mikromedia 3 for STM32F4 Capacitive FPI with frame schematic

Mikroe produces entire development toolchains for all major microcontroller architectures.

Mikromedia 3 for STM32F4 Capacitive FPI with frame example on libstock







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