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Mikromedia 5 for STM32F4 Capacitive FPI with bezel



PID: MIKROE-3836

Rich with peripherals

Mikromedia 5 for STM32F4 CAPACITIVE FPI with bezel is not limited to multimedia-based applications only. USB, WiFi and RF connectivity options, digital motion sensor, battery charging functionality, piezo-buzzer, SD card reader, RTC, and much more expands its use beyond the multimedia.

Mikromedia 5 for STM32F4 CAPACITIVE FPI with bezel has three 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 display

Mikromedia 5 for STM32F4 CAPACITIVE FPI with bezel is a compact development board designed as a complete solution for the rapid development of multimedia and GUI-centric applications. By featuring a 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.

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).

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Develop-on & build-in the same board

Mikromedia 5 for STM32F4 CAPACITIVE FPI (FPI stands for Front Panel Integration) with bezel 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 STM32F407ZGT6 microcontroller from STMicroelectronics, which provides sufficient processing power for the most demanding tasks. Board has a TFT display with a bezel around it and it is ideal for handheld devices. 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 compatible 2x5 pin header, labeled as PROG/DEBUG.

Specifications

Type	mikromedia
Architecture	ARM (32-bit)
Display size	5"
Resolution	800x480px
Graphic controller	SSD1963
Touch Screen	Capacitive
Silicon Vendor	STM
mikroBUS No.	3
Frame Type	Bezel
Features	Battery for RTC,WiFi,USB Type C,USB Host,SD Card,RF,ON/OFF switch,MP3,External DC source,Battery Powered,Batt. Chg. when OFF,Accel
Display type	mikromedia

Downloads

Mikromedia 5 for STM32F4 CAPACITIVE FPI schematic

Mikromedia 5 for STM32F4 CAPACITIVE FPI Manual

Mikromedia 5 for STM32F4 CAPACITIVE FPI 2D and 3D files

Mikromedia 5 for STM32F4 CAPACITIVE FPI example on libstock

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