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Mikromedia 4 for STM32F2 Capacitive FPI with frame



PID: MIKROE-4315

Rich with peripherals

Mikromedia 4 for STM32F2 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 4 for STM32F2 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 4 for STM32F2 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 4.3" 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.

ISOQAR REGISTERED
UKAS MANAGEMENT SYSTEMS
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.
TÜV SÜD ISO 9001
ISO 9001: 2015 certification of quality management system (QMS).

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Mikromedia 4 for STM32F2 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 STM32F207VGT6 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 compatible 2x5 pin header, labeled as PROG/DEBUG.

Specifications

Architecture	ARM (32-bit)
Display size	4.3"
Touch Screen	Capacitive
Frame Type	Metal Frame
Features	Buzzer,USB Type C,USB Host,SD Card,RF,ON/OFF switch,MP3,External DC source,Battery Powered,Battery for RTC,Batt. Chg. when OFF,Accel
Display type	mikromedia

Downloads

Mikromedia 4 for STM32F2 Capacitive FPI with frame Manual

Mikromedia 4 for STM32F2 Capacitive FPI with frame 2D and 3D files

Mikromedia 4 for STM32F2 CAPACITIVE FPI with frame schematic

Mikromedia 4 for STM32F2 Capacitive FPI with frame example on libstock

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