

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 5 for Kinetis Resistive FPI with frame



PID: MIKROE-6184

Rich with peripherals

Mikromedia 5 for Kinetis Resistive FPI with frame 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 Kinetis Resistive FPI with frame 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

management system.

Mikromedia 5 for Kinetis Resistive 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 5" TFT display with resistive 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.









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Develop-on & build-in the same board

Mikromedia 5 for Kinetis Resistive 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. As its core, it uses 32-bit MK66FX1M0VLQ18 MCU from NXP Semiconductors, which provides sufficient processing power for the most demanding tasks. Board has a TFT display with a frame 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

Туре	mikromedia
Architecture	ARM (32-bit)
Display size	5"
Resolution	800x480px
Graphic controller	SSD1963
Touch Screen	Resistive
Interface	WiFi
Silicon Vendor	NXP
Frame Type	Metal Frame
Features	USB Type C,USB Host,Temperature sensor,SD Card,Buzzer,RGB LED,Optical sensor,ON/OFF switch,MP3,IR receiver,External DC source,ETH,Battery Powered,Battery for RTC,Batt. Chg. when OFF,Accel
Display type	mikromedia

Other

Mikromedia 5 for Kinetis Resistive FPI with frame schematic

Mikromedia 5 for Kinetis Resistive FPI with frame manual

Mikromedia 5 for Kinetis Resistive FPI with frame 2D and 3D files





health and safety management system.