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Mikromedia 4 for Kinetis Resistive FPI with frame

PID: MIKROE-6211

Rich with peripherals

Mikromedia 4 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 4 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

Mikromedia 4 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 4.3" 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.

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Develop-on & build-in the same board

Mikromedia 4 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. At its core, there is a powerful 32-bit MK66FX1M0VLQ18 microcontroller 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

Type	mikromedia
Architecture	ARM (32-bit)
Display size	4.3"
Resolution	480x272px
Graphic controller	SSD1963
Touch Screen	Resistive
Silicon Vendor	NXP
mikroBUS No.	2
Frame Type	Metal Frame
Features	Battery for RTC,USB Type C,USB Host,SD Card,RF,ON/OFF switch,MP3,External DC source,Buzzer,Battery Powered,Accel
Display type	mikromedia

Downloads

Mikromedia 4 for Kinetis Resistive FPI with frame schematic

Mikromedia 4 for Kinetis Resistive FPI with frame manual

Mikromedia 4 for Kinetis Resistive FPI with frame 2D and 3D files

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