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Mikromedia 4 for Kinetis Resistive



PID: MIKROE-6212

Rich with peripherals

Mikromedia 4 for Kinetis Resistive 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. Two standardized 1x26 pin headers expose the available MCU pins to the user, adding another layer of expandability. By using mikromedia 4 shield, connectivity can be further expanded with several mikroBUS™ sockets, additional connectors, peripherals, and so on.

Awesome graphics on MCU driven TFT

Mikromedia 4 for Kinetis Resistive 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.

Develop-on & build-in the same board

Mikromedia 4 for Kinetis Resistive is designed as the complete solution which can be implemented directly into any project, with no additional hardware modifications required. At its core, there is a powerful 32-bit MK66FX1M0VLQ18 microcontroller, produced by NXP Semiconductors, which provides sufficient processing power for the most demanding tasks. Four mounting holes at all four corners allow simple installation with mounting screws. For

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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most applications, a nice stylish casing is all that is needed to turn the Mikromedia 4 for Kinetis Resistive development board into a fully functional, high-performance, feature-rich device.

Specifications

Type	mikromedia
Architecture	ARM (32-bit)
Display size	4.3"
Resolution	480x272px
Graphic controller	SSD1963
Touch Screen	Resistive
Silicon Vendor	NXP
Frame Type	Standard
Features	Buzzer,USB Type C,USB Host,Temperature sensor,SD Card,RGB LED,RF,Optical sensor,ON/OFF switch,MP3,IR receiver,External DC source,Battery Powered,Battery for RTC,Batt. Chg. when OFF,Accel
Display type	mikromedia

Downloads

Mikromedia 4 for Kinetis Resistive manual

Mikromedia 4 for Kinetis Resistive schematic

Mikromedia 4 for Kinetis Resistive 2D and 3D files

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