Mikromedia 4 for PIC32MZ Resistive FPI with frame

PID: MIKROE-6160

for PIC32MZ RESISTIVE FPI with frame

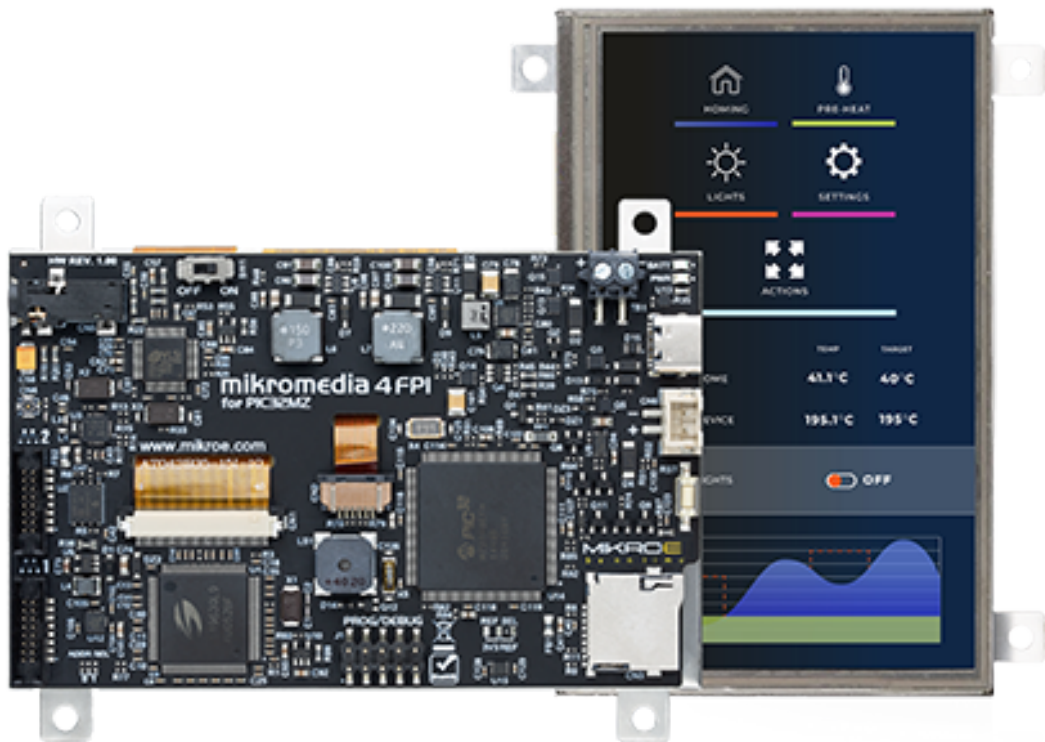Mikroe produces entire development toolchains for all major microcontroller architectures.
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Rapid development of multimedia and gui-centric applications

BUILD GREAT GUI IN NO TIME

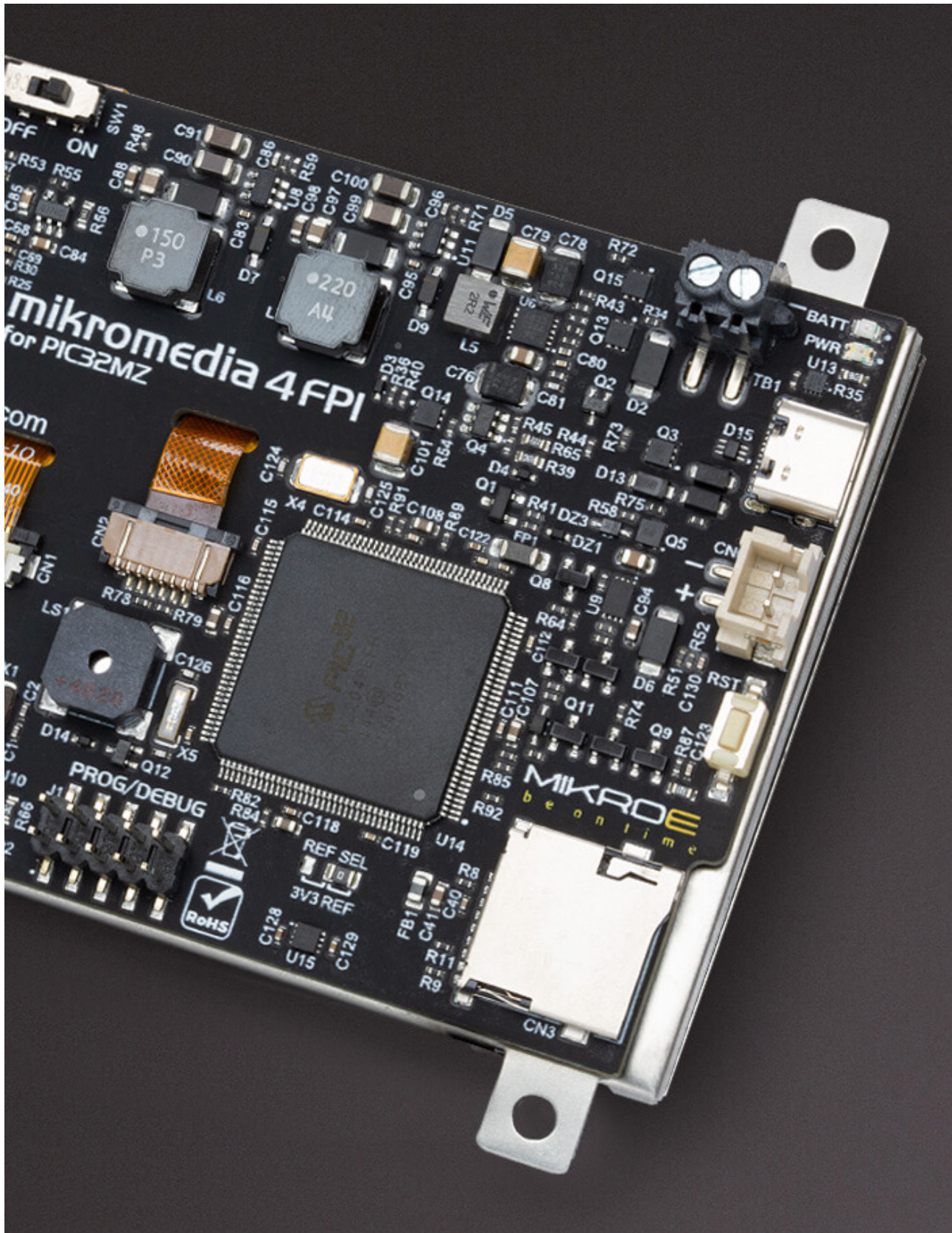Mikroe produces entire development toolchains for all major microcontroller architectures.
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Time-saving embedded tools

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
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Rich with peripherals

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Mikromedia 4 for PIC32MZ RESISTIVE 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.

This Mikromedia 4 comes with frame that 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 1150 Click boards™.

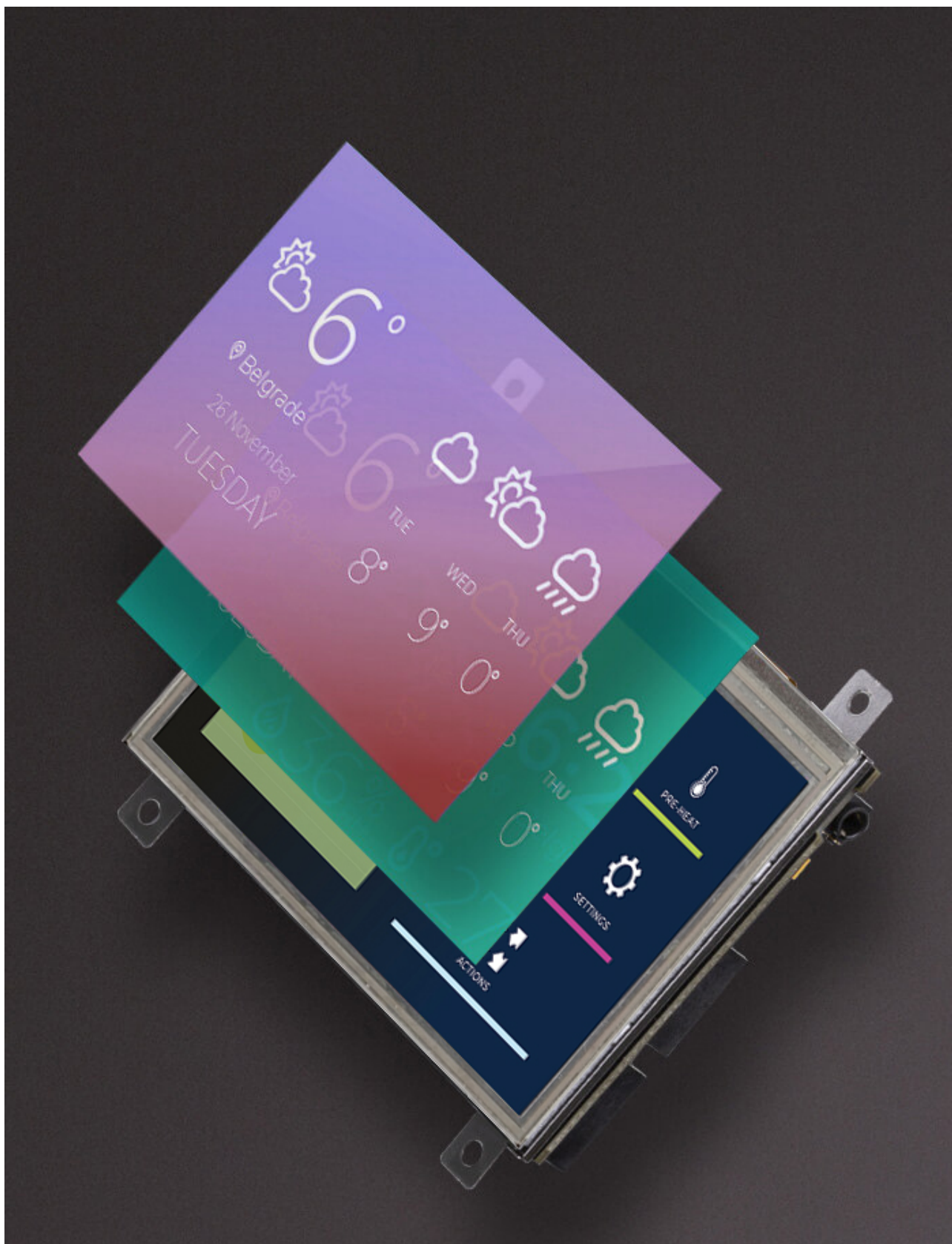**Mikroe produces entire development toolchains for all major microcontroller architectures.**
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Awesome graphics on MCU driven TFT

Mikromedia 4 for PIC32MZ 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.

Once you have downloaded NECTO Studio, and since you already got the board, you are ready to start writing your first GUI projects. Start using one of the most popular graphics library in the embedded industry - LVGL graphics library, an integral part of NECTO Studio.

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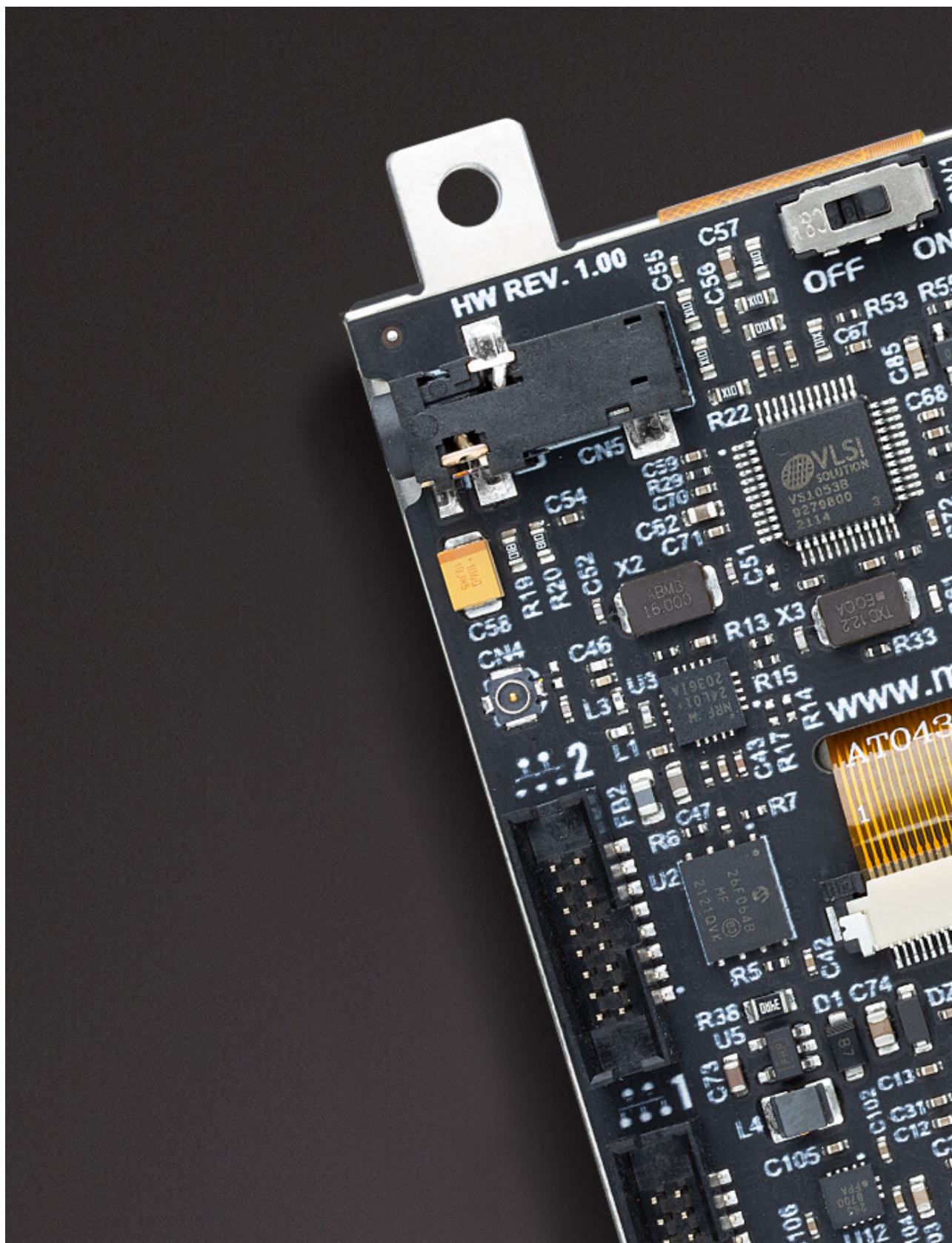Mikroe produces entire development toolchains for all major microcontroller architectures.
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Develop-on & build-in the same board

This FPI Mikromedia 4 (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 PIC32MZ2048EFH144 microcontroller, produced by Microchip, 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 Microchip ICSP compatible 2x5 pin header, labeled as PROG/DEBUG.

Specifications

Type	mikromedia
Architecture	PIC32 (32-bit)
Display size	4.3"
Resolution	480x272px
Graphic controller	SSD1963
Touch Screen	Resistive
Silicon Vendor	Microchip
Frame Type	Metal Frame
Features	Battery Powered,USB Type C,SD Card,RF,ON/OFF switch,MP3,External DC source,Buzzer,Batt. Chg. when OFF

Downloads

Mikromedia 4 for PIC32MZ Resistive FPI with frame manual

Mikromedia 4 for PIC32MZ Resistive FPI with frame schematic

Mikromedia 4 for PIC32MZ Resistive FPI with frame 2D and 3D files

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