

# EasyPIC PRO v7 MCUCard with PIC18F8520

**PID:** MIKROE-999

**Weight:** 22 g

PIC18F8520 microcontroller. Featuring nanoWatt technology, it has up to 10 MIPS operation, 128K bytes of linear program memory, 3840 bytes of linear data memory, and lot of internal modules.

Quantity

1

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## DESCRIPTION

## SPECIFICATION

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**10MHz crystal oscillator.** We carefully chose the most convenient crystal value that provides clock frequency which can be used directly, or with the PLL multipliers and dividers to create higher MCU clock value.

**VCAP jumper.** Some PIC18FK and all PIC18FJ microcontrollers have cores that work on 1.8V-2.5V voltage range, and peripherals that work with 3.3V and 5V voltages. Internally, those microcontrollers have power regulators which adjust the core voltage levels. In order for those devices to have a stable operation of the core, manufacturer recommends that decoupling capacitive filters should be provided, and connected between specific microcontroller pins designated with VCAP and GND. This MCU card provides a VCAP jumper which is used for this purpose. Jumper is placed by default.

**USB communication lines.** These two jumpers, when in USB position, connect D+ and D- lines of the on-board USB connector with RF3 and RF4 microcontroller pins. Since PIC18F8520 doesn't support USB, jumpers are in I/O position.


**VUSB line jumper.** For PIC18F8xJ5x devices, this jumper should be connected to VCC for enabling internal USB controller. Since PIC18F8520 doesn't support USB, this jumper is in I/O position.

**ENVREG selection jumper.** PIC18FJ and PIC18FK microcontrollers are using internal voltage regulator which is enabled by placing

### Downloads

- [Drivers for PICFlash2 software](#)
- [PIC18F8520 datasheet](#)

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