8-bit Microchip microcontroller PIC18F2450-I/SP

Bestelcode: PIC18F2450-I/SP

Ideal for compact, single chip, Full Speed USB applications (12Mbit/s). The Enhanced Flash program memory allows operation when disconnected from the bus and easy field upgrades via the USB port.

Specificaties

- Performance
    - C compiler optimized architecture with optional extended instruction set
    - USB V2.0 compliant (on-chip USB transceiver with on-chip voltage regulator)
    - Operating speed:
        - External oscillator
            - 48 MHz
        - Internal oscillator
            - 32 KHz
    - In-Circuit Serial Programming™ (ICSP™)
    - Programmable code protection
    - 23 I/O pins with individual direction control
    - Timer 0: 8-bit timer/counter with 8-bit prescaler
    - Timer 1: 16-bit timer/counter
    - Timer 2: 8-bit timer/counter with 8-bit period register, prescaler and postscaler
    - Analog comparator module with 2 analog comparators
    - Power-Saving sleep mode
    - Wake-up from sleep on pin charge
    - 16 Kbytes Flash program memory
    - 768 bytes SRAM data memory
- Package
    - 28 pin DIL version
    - Operating voltage: 2V to 5.5V

Can be programmed with Velleman VM134 (=K8076) and our USB "in-circuit" programmer PICKIT2