

8-bit Microchip microcontroller PIC18F2550

Bestelcode: PIC18F2550



Ideal for low power (nanoWatt) and connectivity applications that benefit from the availability of three serial ports: FS-USB (12 Mbit/s), I²C™ and SPI™ (up to 10Mbit/s) and an asynchronous (LIN capable) serial port (EUSART). Large amounts of RAM memory for buffering and Enhanced FLASH program memory make it ideal for embedded control and monitoring applications that require periodic connection with a (legacy free) Personal Computer via USB for data upload/download and/or firmware updates. While operating up to 48 MHz, the PIC18F2550 is also mostly software and hardware compatible with the PIC16C745 Low-Speed USB OTP devices. THE PICSTART® Plus does NOT currently support this device but may support it in the future..

Specifications

- 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
 - 31 KHz to 8 MHz
 - In-Circuit Serial Programming™ (ICSP™)
 - Programmable code protection
 - 24 I/O pins with individual direction control
 - 3 timers
 - Dual analog comparators with input multiplexing
 - Power-Saving sleep mode
 - Wake-up from sleep on pin charge
 - 24 Kbytes Flash program memory
 - 2048 bytes SRAM data memory and 256 bytes EEPROM 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](#)

