



PICkit™ 2 Starter Kit

The PICkit™ 2 Starter Kit is a low-cost development kit with an easy to use interface for programming Microchip's 8/14/20-pin Flash family of microcontrollers. This starter kit is designed to help developers get up to speed quickly using PIC microcontrollers.

The kit provides everything needed to program, evaluate and develop applications using Microchip's powerful 8/14/20-pin Flash family of controllers. Instructions are provided in a series of twelve lessons that cover I/O, Interrupts, A/D Converters, Data Tables and Timers. All source code files for the lessons are furnished.

Code development and debugging is performed using Microchip's powerful MPLAB Integrated Development Environment (IDE). The MPLAB IDE is a seamless, integrated software development environment that includes a MPASM™ macro assembler, MPLAB SIM software simulator with symbolic debugger, color-coded source editor, project manager with high-level language debugging and concurrent support for development tools, including low-cost in-circuit debuggers, full-featured real-time emulators and programmers. The consistent and easy-to-use graphic user interface of the MPLAB desktop allows for rapid switching between development, debugging and programming modes within a project.

Features:

- Low pin count demo board supporting 8/14/20-pin mid-range PICmicro microcontrollers
- Easy to use windows programming selected Flash based PICmicro microcontrollers
- Twelve sequential lessons written in assembly demonstrate how to use Microchip's 8/14/20-pin Flash family of microcontrollers
- Technical documentation CD including:
 - PICkit 2 user's guide
 - Low pin count demo board user's guide
 - Tips 'n tricks booklets
 - Selected application notes
- FREE! Microchips' MPLAB IDE software for a complete code development environment
- FREE! HI-TECH PICC™ LITE C Compiler (contained on the MPLAB CD)



PICkit 2 starter kit contents:

- PICkit 2 development Programmer
- Low pin count demo board with 20-pin PIC16F690
- PICkit 2 starter kit CD ROM
- MPLAB IDE (integrated development environment) CD ROM
- Software and hardware "Tips 'n tricks" for PIC microcontrollers
- USB interface cable

Host system requirements:

- PC-compatible system with an Intel Pentium class or higher processor, or equivalent
- CD_ROM drive
- Available USB port
- Microsoft Windows 98 SE, Windows 2000 or Windows XP

Device List of PICKit2

Note:

+ Indicates parts that require 4.75V minimum VDD for programming.

PICKit 2 may not be able to generate sufficiently high VDD, so an external 5.0v power supply may be required.

indicates Midrange parts that support low Vdd programming

Baseline Devices

PIC10F200 PIC10F202 PIC10F204 PIC10F206 PIC10F220 PIC10F222 PIC12F508 PIC12F509 PIC12F510 PIC12F519
PIC16F505 PIC16F506 PIC16F526 PIC16F54 PIC16F57 PIC16F59

Midrange/Standard Devices

PIC12F609 PIC12HV609 PIC12F615 PIC12HV615 PIC12F629 PIC12F635# PIC12F675 PIC12F683# PIC16F610 PIC16HV610
PIC16F616 PIC16HV616 PIC16F627 PIC16F628 PIC16F639 PIC16F627A PIC16F628A PIC16F648A PIC16F630 PIC16F631
PIC16F636# PIC16F676 PIC16F677 PIC16F684# PIC16F685# PIC16F687# PIC16F688# PIC16F689# PIC16F690# PIC16F72+
PIC16F73+ PIC16F74+ PIC16F76+ PIC16F77+ PIC16F716 PIC16F737+ PIC16F747+ PIC16F767+ PIC16F777+ PIC16F785
PIC16HV785 PIC16F84A PIC16F87# PIC16F88# PIC16F818# PIC16F819# PIC16F870 PIC16F871 PIC16F872 PIC16F873
PIC16F874 PIC16F876 PIC16F877 PIC16F873A PIC16F874A PIC16F876A PIC16F877A PIC16F882# PIC16F883# PIC16F884#
PIC16F886# PIC16F887# PIC16F913# PIC16F914# PIC16F916# PIC16F917# PIC16F946#

Midrange/1.8V Min Devices

PIC16F722 PIC16LF722 PIC16F723 PIC16LF723 PIC16F724 PIC16LF724 PIC16F726 PIC16LF726 PIC16F727 PIC16LF727

PIC18F Devices

PIC18F242 PIC18F252 PIC18F442 PIC18F452 PIC18F248 PIC18F258 PIC18F448 PIC18F458 PIC18F1220 PIC18F1320
PIC18F2220 PIC18F1230 PIC18F1330 PIC18F1330-ICD PIC18F2221 PIC18F2320 PIC18F2321 PIC18F2331 PIC18F2410
PIC18F2420 PIC18F2423 PIC18F2431 PIC18F2450 PIC18F2455 PIC18F2458 PIC18F2480 PIC18F2510 PIC18F2515
PIC18F2520 PIC18F2523 PIC18F2525 PIC18F2550 PIC18F2553 PIC18F2580 PIC18F2585 PIC18F2610 PIC18F2620
PIC18F2680 PIC18F2682 PIC18F2685 PIC18F4220 PIC18F4221 PIC18F4320 PIC18F4321 PIC18F4331 PIC18F4410
PIC18F4420 PIC18F4423 PIC18F4431 PIC18F4450 PIC18F4455 PIC18F4458 PIC18F4480 PIC18F4510 PIC18F4515
PIC18F4520 PIC18F4523 PIC18F4525 PIC18F4550 PIC18F4553 PIC18F4580 PIC18F4585 PIC18F4610 PIC18F4620
PIC18F4680 PIC18F4682 PIC18F4685 PIC18F6310 PIC18F6390 PIC18F6393 PIC18F6410 PIC18F6490 PIC18F6493
PIC18F6520 PIC18F6525 PIC18F6527 PIC18F6585 PIC18F6620 PIC18F6621 PIC18F6622 PIC18F6627 PIC18F6628
PIC18F6680 PIC18F6720 PIC18F6722 PIC18F6723 PIC18F8310 PIC18F8390 PIC18F8393 PIC18F8410 PIC18F8490
PIC18F8493 PIC18F8520 PIC18F8525 PIC18F8527 PIC18F8585 PIC18F8620 PIC18F8621 PIC18F8622 PIC18F8627
PIC18F8628 PIC18F8680 PIC18F8720 PIC18F8722 PIC18F8723

PIC18F_J_ Devices

PIC18F24J10 PIC18F25J10 PIC18F44J10 PIC18F45J10 PIC18LF24J10 PIC18LF25J10 PIC18LF44J10 PIC18LF45J10
PIC18F63J11 PIC18F63J90 PIC18F64J11 PIC18F64J90 PIC18F65J10 PIC18F65J11 PIC18F65J15 PIC18F65J50 PIC18F65J90
PIC18F66J10 PIC18F66J11 PIC18F66J15 PIC18F66J16 PIC18F66J50 PIC18F66J55 PIC18F66J60 PIC18F66J65 PIC18F67J10
PIC18F67J11 PIC18F67J50 PIC18F67J60 PIC18F83J11 PIC18F83J90 PIC18F84J11 PIC18F84J90 PIC18F85J10 PIC18F85J11
PIC18F85J15 PIC18F85J50 PIC18F85J90 PIC18F86J10 PIC18F86J11 PIC18F86J15 PIC18F86J16 PIC18F86J50 PIC18F86J55
PIC18F86J60 PIC18F86J65 PIC18F87J10 PIC18F87J11 PIC18F87J50 PIC18F87J60 PIC18F96J60 PIC18F96J65 PIC18F97J60

PIC18F_K_ Devices

PIC18F13K50 PIC18LF13K50 PIC18F14K50 PIC18LF14K50 PIC18F14K50-ICD PIC18F24K20 PIC18F25K20 PIC18F26K20
PIC18F44K20 PIC18F45K20 PIC18F46K20

PIC24 Devices

PIC24FJ16GA002 PIC24FJ16GA004 PIC24FJ32GA002 PIC24FJ32GA004 PIC24FJ48GA002 PIC24FJ48GA004

PIC24FJ64GA002 PIC24FJ64GA004 PIC24FJ64GA006 PIC24FJ64GA008 PIC24FJ64GA010 PIC24FJ96GA006
PIC24FJ96GA008 PIC24FJ96GA010 PIC24FJ128GA006 PIC24FJ128GA008 PIC24FJ128GA010 PIC24FJ128GA106
PIC24FJ128GA108 PIC24FJ128GA110 PIC24FJ192GA106 PIC24FJ192GA108 PIC24FJ192GA110 PIC24FJ256GA106
PIC24FJ256GA108 PIC24FJ256GA110 PIC24FJ64GB106 PIC24FJ64GB108 PIC24FJ64GB110 PIC24FJ128GB106
PIC24FJ128GB108 PIC24FJ128GB110 PIC24FJ192GB106 PIC24FJ192GB108 PIC24FJ192GB110 PIC24FJ256GB106
PIC24FJ256GB108 PIC24FJ256GB110 PIC24HJ12GP201 PIC24HJ12GP202 PIC24HJ16GP304 PIC24HJ32GP202
PIC24HJ32GP204 PIC24HJ64GP206 PIC24HJ64GP210 PIC24HJ64GP506 PIC24HJ64GP510 PIC24HJ128GP206
PIC24HJ128GP210 PIC24HJ128GP306 PIC24HJ128GP310 PIC24HJ128GP506 PIC24HJ128GP510 PIC24HJ256GP206
PIC24HJ256GP210 PIC24HJ256GP610

dsPIC33 Devices

dsPIC33FJ12GP201 dsPIC33FJ12GP202 dsPIC33FJ16GP304 dsPIC33FJ32GP202 dsPIC33FJ32GP204 dsPIC33FJ32GP302*
dsPIC33FJ32GP304* dsPIC33FJ64GP202* dsPIC33FJ64GP204* dsPIC33FJ64GP206 dsPIC33FJ64GP306 dsPIC33FJ64GP310
dsPIC33FJ64GP706 dsPIC33FJ64GP708 dsPIC33FJ64GP710 dsPIC33FJ64GP802* dsPIC33FJ64GP804*
dsPIC33FJ128GP202* dsPIC33FJ128GP204* dsPIC33FJ128GP206 dsPIC33FJ128GP306 dsPIC33FJ128GP310
dsPIC33FJ128GP706 dsPIC33FJ128GP708 dsPIC33FJ128GP710 dsPIC33FJ256GP506 dsPIC33FJ256GP510
dsPIC33FJ256GP710 dsPIC33FJ128GP802* dsPIC33FJ128GP804* dsPIC33FJ12MC201 dsPIC33FJ12MC202
dsPIC33FJ16MC304 dsPIC33FJ32MC202 dsPIC33FJ32MC204 dsPIC33FJ32MC302* dsPIC33FJ32MC304*
dsPIC33FJ64MC202* dsPIC33FJ64MC204* dsPIC33FJ64MC506 dsPIC33FJ64MC508 dsPIC33FJ64MC510
dsPIC33FJ64MC706 dsPIC33FJ64MC710 dsPIC33FJ64MC802* dsPIC33FJ64MC804* dsPIC33FJ128MC202*
dsPIC33FJ128MC204* dsPIC33FJ128MC506 dsPIC33FJ128MC510 dsPIC33FJ128MC706 dsPIC33FJ128MC708
dsPIC33FJ128MC710 dsPIC33FJ256MC510 dsPIC33FJ256MC710 dsPIC33FJ128MC802* dsPIC33FJ128MC804*

dsPIC30 Devices

dsPIC30F2010 dsPIC30F2011 dsPIC30F2012 dsPIC30F3010 dsPIC30F3011 dsPIC30F3012 dsPIC30F3013 dsPIC30F3014
dsPIC30F4011 dsPIC30F4012 dsPIC30F4013 dsPIC30F5011^ dsPIC30F5013^ dsPIC30F5015 dsPIC30F5016 dsPIC30F6010A
dsPIC30F6011A dsPIC30F6012A dsPIC30F6013A dsPIC30F6014A dsPIC30F6015

^ These 2 devices are not supported for low VDD programming.

dsPIC30 SMPS Devices

dsPIC30F1010 dsPIC30F2020 dsPIC30F2023

IC32 Devices

PIC32MX320F032H PIC32MX320F064H PIC32MX320F128L PIC32MX320F128H PIC32MX340F256H PIC32MX360F256L
PIC32MX360F512L PIC32MX440F128L PIC32MX440F256H PIC32MX460F256L PIC32MX460F512L

KEELOQ HCS Devices

HCS200 HCS201 HCS300 HCS301 HCS320 HCS360 HCS361 HCS362

MCP250xx CAN Devices

MCP25020* MCP25025* MCP25050* MCP25055*

P.S. MCP250xx devices are OTP and can only be programmed once.