

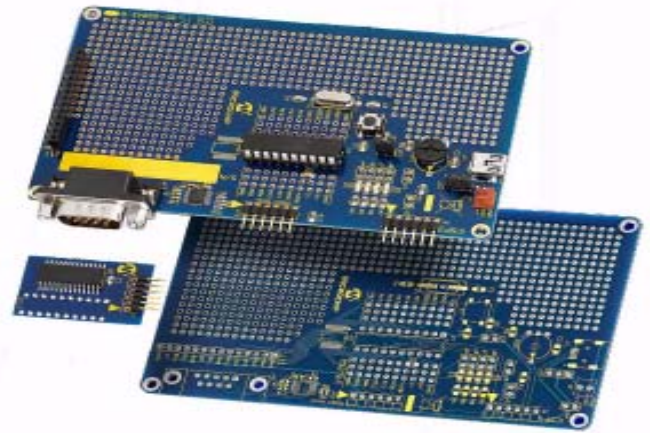


Microchip - DM164127 - DM164127 Low Pin Count USB Development Kit

Product Overview:

The Low Pin Count USB Development Kit provides an easy, low cost way to evaluate the functionality of Microchip's PIC18F14K50 and PIC18F13K50 20-pin USB microcontrollers.

The all-inclusive kit contains the hardware, software, and code examples necessary to bring your next USB design from concept to first prototype. Created with the USB novice in mind, the kit includes "Getting Started with Microchip's Low Pin Count USB Solutions", a self-directed course and lab material designed to ease the learning curve associated with adding USB connectivity to embedded systems.



Kit Content:

The Low Pin Count USB Development Kit contains the following:

- fully populated Low Pin Count USB Development Board
- unpopulated spare development board
- PIC18F14K50 ICD populated expansion header
- CD containing the user guide, course materials and product documentation.
- PICKit™ 2 Debugger/Programmer with cable.

Key Features:

The Low Pin Count USB Development Kit provides an easy, low cost way to evaluate the functionality of Microchip's PIC18F14K50 and PIC18F13K50 20-pin USB microcontrollers.

Special Microcontroller Features:

- Full 5.5V Operation – PIC18F1XK50
- 1.8V-3.6V Operation – PIC18LF1XK50

- Self-programmable under Software Control
- Programmable Brown-out Reset (BOR)
 - With software enable option
- Extended Watchdog Timer (WDT)
 - Programmable period from 4ms to 131s
- Single-supply 3V In-Circuit Serial Programming (ICSP) via two pins

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
DM164127	Microchip	1690680	45P4598

Associated Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
PIC18F14K50-I/P	Microchip	8-Bit Microcontroller IC	PIC18F14K50	1648501	77M3103
MAX3232CDBE4	Texas Instruments	DRIVER/RECEIVER, RS-232, SSOP16	MAX3232	1287435	26M0603
500075-1517	Molex	SOCKET, USB, MINI-B, T/HOLE, VERT	USB mini-B connector	1125349	93K4120
74960-2028	Molex	Wire-To-Board Connector	RS-232 connector	NA	82K9063

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
DV164126	Microchip	DEV KIT, USB, W/ PICKIT 2	PIC18F14K50, PIC18F13K50	1687477	45P4716
PIC18F13K50-I/P	Microchip	MCU, 8-BIT, 8K FLASH, USB,	PIC18F13K50	1697073	77M3098

		DIP20			
AC244023	Microchip	ADAPTER, PROC EXT PAK, PIC18F1XK50	PIC18F13K50, PIC18F14K50	1699834	04R7529
PG164120	Microchip	PROGRAMMER, PICKIT 2	PICKIT	9847170	51M8937
AC164131	Microchip	USB PICtail Plus Daughter Board	Explorer 16	1558603	88M9288
DM320001	Microchip	STARTER KIT, PIC32	Microchip 32-bit	1523317	71M0037

Document List:

Datasheets:

Part Number	Description	Size
PIC18F13K50/14K50	PIC18F13K50/14K50 20-Pin USB Flash Microcontrollers with nanoWatt Technology	6421KB
PIC18F13K50/PIC18LF1XK50	PIC18F1XK50/PIC18LF1XK50 Flash Memory Programming	501KB
	PIC18F2450/4450 Data Sheet	5.54MB

Application Notes:

File Name	Size
AN1204 - Microchip MiWi P2P Wireless Protocol	370KB
AN1229 - Class B Safety Software Library for PIC MCUs and dsPIC DSCs	398KB
AN1267 - nanoWatt & nanoWatt XLP(TM) Technologies: An Introduction to Microchip's Low Power devices	259KB
AN1140 - USB Embedded Host Stack	467KB
AN1189 - Implementing a Mass Storage Device Using the Microchip USB Device Firmware Framework	168KB
AN1212 - Using USB Keyboard with an Embedded Host	485KB
AN950 - Power Management for PIC18 USB Microcontrollers with nanoWatt Technology	259KB

Hardware & Software:

File Name	Size
Low Pin-Count USB Development Kit Lab Folders	155KB
Low Pin-Count USB Development Kit Project Labs	155KB

AN1229 Source Code	342KB
PIC32 USB Device/Embedded Host Software Stack v1.04	4924KB

Others Resources:

File Name	Size
8-bit Microcontroller Product Selector Guide	2637KB
Solutions for Medical Applications	1.52MB
Microchip Application Libraries	76921KB

