USB-ICP



USB-ICP-LPC2K

USB In-Circuit Programmer

USB-ICP supports In-System Programming (ISP) on Philips ARM7 LPC2xxx microcontroller family. In-System Programming uses a two-wire serial interface to program and erase ISP enabled microcontroller devices without removing them from the system. The ISP function uses only six pins: VCC, GND, RXD, TXD, P0.14 and RESETn. A small connector is all that is needed to interface your ISP application to the USB-ICP programmer.

Highlights

- USB port powered so no external Power Supply required
- Supports USB 2.0
- Plugs directly into any standard USB Port – great for laptops
- Supports Philips' ARM 7 LPC21xx and LPC22xx family of microcontrollers
- Works with Philips' free flash utility that can be downloaded from the web

- USB-ICP Kit Includes:
 - ♦ USB-ICP dongle
 - 18" cable allowing direct connection to the user's application
 - ISP design guide for the user's target board

Technical Details



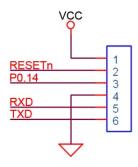
USB-ICP uses a standard RJ-45 for connection to the target cable.

Indicator LEDs

Green – "Link" Indicates the USB-ICP has been configured by the host PC

Yellow –"ACT" indicates USB Activity (Rx/Tx)





The ISP function uses only six pins: VCC, GND, RXD, TXD, P0.14 and RESETn. The simple circuit above is all that must be added to the user's application to use ISP with USB-ICP.

Target Connector



The target connector utilized is a standard 0.100" pitch 6-pin header available from numerous suppliers.

Example Molex Part Numbers		
Part Number	Description	
22-03-2061	6pin vertical through hole	
68301-1017	6pin vertical surface mount	
22-05-2061	6pin right angle through hole	

Example User Target Board (Not Part of Kit)

Ordering Information

Part Number: USB-ICP-LPC2K Price: \$69.00 (USD) Order Online Now at www.teamfdi.com OR www.digikey.com Digi-Key P/N: 622-1005-ND

Warranty: 30-day money back guarantee
Availability: Stock

(800) 278-0293 Phone (256) 883-1241 FAX

E-mail: sales@teamfdi.com www.teamfdi.com

USB-ICP Family		
Part Number	Supports	
USB-ICP-LPC9xx	Philips LPC9xx	
USB-ICP-80C51ISP	Philips P89C51 Flash	
USB-ICP-LPC2K	Philips ARM7 LPC2xxx	

All brand names and product names are trademarks or registered trademarks of their respective holders.

