

## USB Single Pin Emulation POD



### General Description

Accutron's USB POD permits powerful Download/Debug capabilities for embedded systems based on the popular ADuC MicroConverter® cores from Analog Devices. The Uspear POD is specifically designed for use with **accutron aspire2™** IDE software. Used with the Uspear POD, **aspire2™** debugging is completely non-intrusive and uses no target system resources. The POD together with **accutron aspire2™** source-level debugger, provides powerful run/stop control of embedded software, It also allows control and interrogation of all core-processor and system resources, and the programming of on chip FLASH.

### Features

Single Pin Emulator.  
Connects to host PC using a USB connection (extension cable provided).  
Download/Debug and Flash programming of ADuC MicroConverters®.

### Minimum Host Requirements

IBM PC or compatible, fitted with a USB Port 1.1.  
128MB or more of PC RAM for optimum performance.  
Supports & Tested with Microsoft Windows XP SP 2, ME, Windows 2000 SP 4.

### Device Support

All ADUC8\*\* core devices (8052 series).  
Contact Accutron for support on new ADuC cores.

### Target Connection

Standard two-way connection (over EA and GND pins).  
Two way cable supplied with Uspear product.  
Pinout compatible with Analog Devices Quickstart Development Board EA connections.  
Refer to ADuC data sheet for details.

### Power Supply

The Uspear POD is powered by the USB.

### Installation

For installation and operation instructions consult the 'Get Started Guide'.