Section 1

STK525 Quick Start

This document describes how to start using the STK525. Please read this first and get aquaint with the AVR USB Starter Kit.

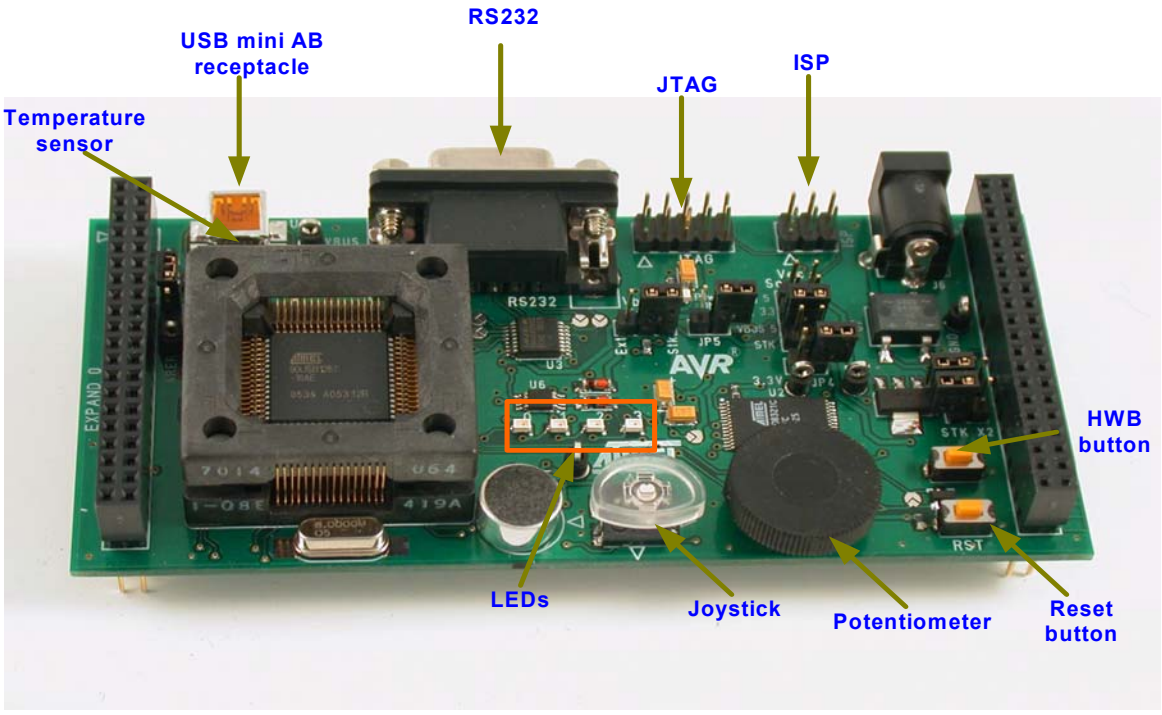
A simple demonstration program allows you to use the STK525 board as a mouse on any system supporting USB mice.

1.1 Kit Contents

- 1 STK525 Board
- 1 STK525 beta test checklist
- 1 miniA to A receptacle (if available or on request)
- 1 miniA to miniB cable
- 2 AT90USB1287-AE Samples
- 1 USB CD-ROM

1.2 Evaluation Board Diagram

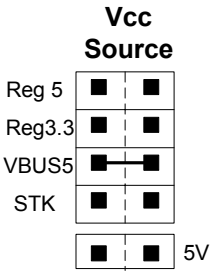
Figure 1-1. STK525 Board



STK525 board default configuration (refer to Figure 1-1.):

- The Vcc Source jumper VBUS5 should be set as below. All other jumpers sould be open:

Figure 1-2. Vcc jumpers state



1.3 System Requirements

- PC running Windows® XP/2000/ME/98, Linux...
- Available USB port

1.4 HID Mouse Demonstration

The purpose of this demonstration program is to use the STK525 as a USB mouse.

To move the mouse pointer in one direction (up, down, left, rigth..) you have just to move the joystick. The potentiometer is used as a wheel and the HWB button is used as a left button.

1. Ensure the Evaluation Board is in its default configuration.
2. Ensure the USB cable is connected between the STK525 demoboard and your PC.
3. Enjoy your time with your new USB mouse!

For more details on the HID firmware, please refer to the AVR270: USB Mouse Demonstration Application Note.

This document explains how to load the application in the device if it is not programmed.