



Application Note

AN0008

SK5126 Evaluation Kit User Guide

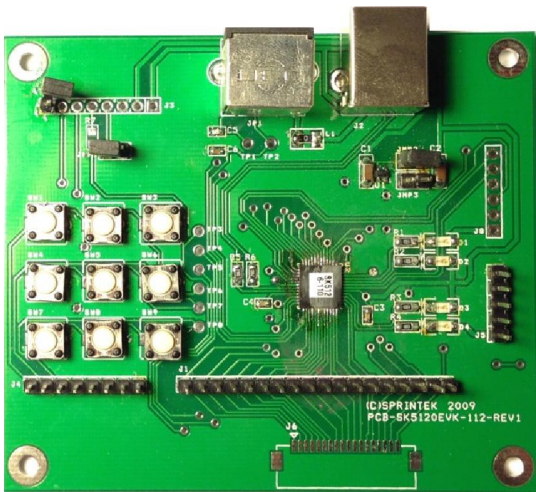
Associated Part Family: SK5126, KIT-SK5126EVK

1. Overview

The evaluation kit has been designed to accelerate your development of your own keyboard product using SK5126 FlexMatrix keyboard controller. The FlexMatrix keyboard controllers provide developers the most cost-effective, shortest time-to-market solutions to the industrial customers. The FlexMatrix products are also well suited for laptop/netbook OEMs due to its low cost and small package.

Part# KIT-SK5126EVK - Evaluation kit for SK5126

2. Kit Contents



ASY-SK5126EVK-vvv
(vvv is IC version number)

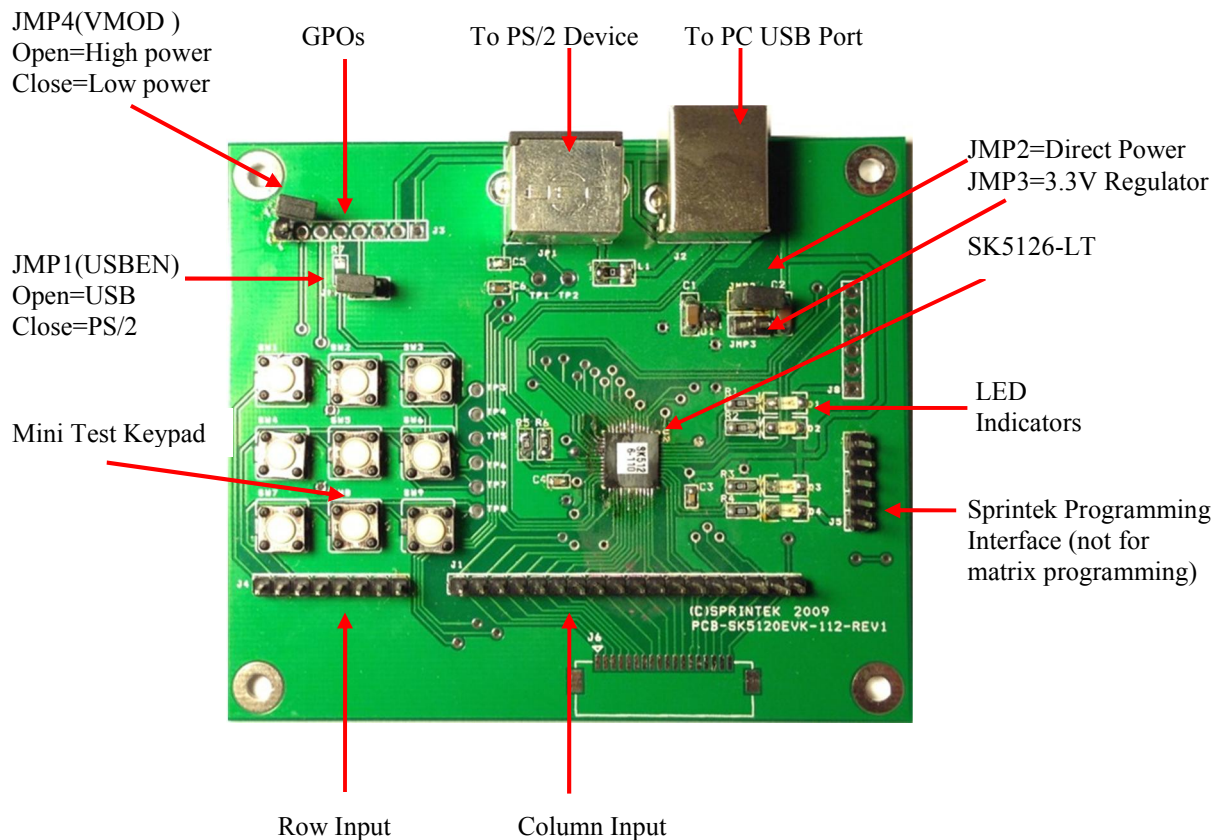


USB A To B Cable



USB to PS/2
Adaptor

3. Board



4. Get Started

Setup USB 5V (USB Regulator Enabled) Mode:

- 1) Keep JMP1 open
 - 2) Keep JMP2 close and JMP3 open
 - 3) Keep JMP4 open
 - 4) Connect USB cable to evaluation board and PC USB port
- The evaluation board will work as a USB keyboard.

Setup USB 3.3V (USB Regulator Bypass) Mode:

- 1) Keep JMP1 open
 - 2) Keep JMP2 open and JMP3 close
 - 3) Keep JMP4 close
 - 4) Connect USB cable to evaluation board and PC USB port
- The evaluation board will work as a USB keyboard.

Setup PS/2 Mode:

- 1) Keep JMP1 close
- 2) Keep JMP2 close and JMP3 open

- 3) Keep JMP4 open
 - 4) Connect USB cable to evaluation board
 - 5) Connect USB to PS/2 adaptor to the USB cable
 - 6) Connect USB to PS/2 adaptor to PC PS/2 keyboard port
- The evaluation board will work as a PS/2 keyboard.

5. Helpful Documents

Doc#	Description
DS0026	SK5126 Datasheet
AN0001	Instruction to Configure FlexMatrix Keyboard Controllers to Support Selective Suspend
AN0002	Customize FlexMatrix Keyboard Controllers

7. Support

To obtain information about Sprintek Corporation or FlexMatrix keyboard controller family sales and technical support, reference the following information.

Sprintek Corporation

4969 Corral St.

Simi Valley, CA 93063, USA

Phone: 805.405.8787

Web Site: <http://www.sprintek.com>