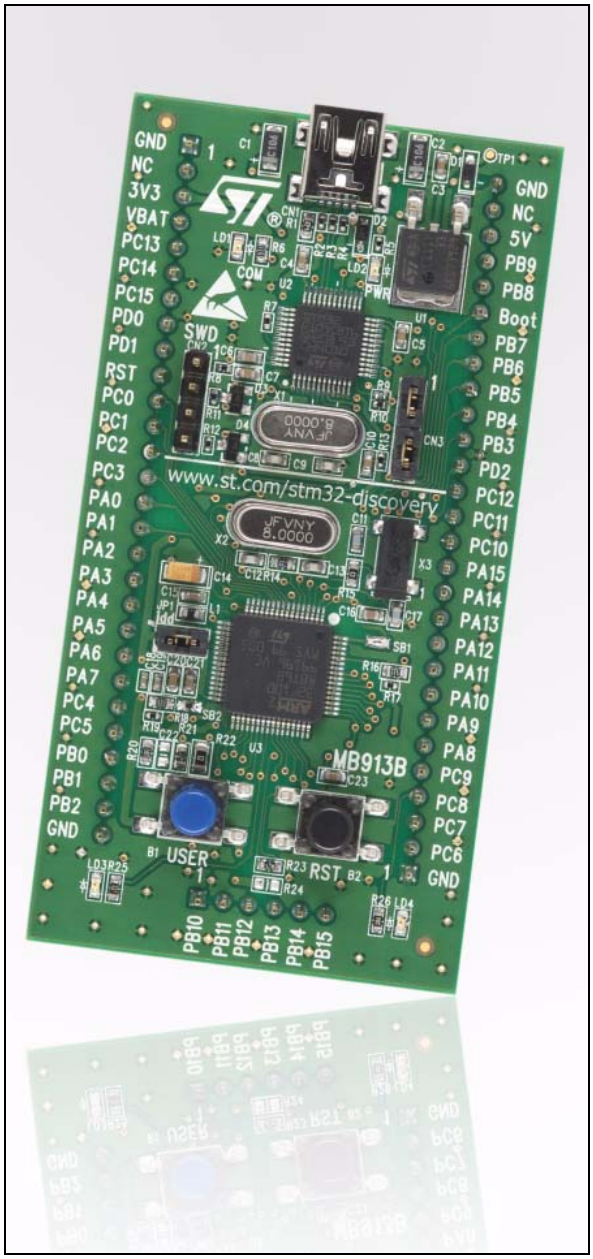
STM32VLDISCOVERY

STM32 value line Discovery

Data brief

Features

- STM32F100RB microcontroller, 128 KB Flash, 8 KB RAM in 64-pin LQFP
- On-board ST-Link with selection mode switch to use the kit as a stand-alone ST-Link (with SWD connector)
- Designed to be powered by USB or an external supply of 5 V or 3.3 V
- Can supply target application with 5 V and 3 V
- Two user LEDs (green and blue)
- One user push button
- Extension header for all QFP64 I/Os for quick connection to prototyping board or easy probing



Description

The STM32VLDISCOVERY is a low-cost and quick way to discover the STM32 value line. It includes everything required for beginners and experienced users to get started quickly. The STM32 value line Discovery includes an STM32F100 value line microcontroller in a 64-pin LQFP and an incircuit ST-Link debugger / programmer to debug Discovery applications and other target board applications. A large number of free ready-to-run application firmware examples are available on www.st.com/stm32-discovery to support quick evaluation and development using the LEDs, button and extension header for connection to other boards or devices.

Table 1. Device summary

Order code	Reference
STM32VLDISCOVERY	STM32 value line Discovery

For further information contact your local STMicroelectronics sales office. www.st.com

1 System requirements

- Windows PC (2000, XP, Vista)
- USB type A to mini-B cable

2 Development toolchain

- Atollic, TrueSTUDIO® (including the free LiteTrueSTUDIO®)
- IAR, Embedded Workbench® for ARM
- Keil, MDK-ARM™

3 Demonstration software

Demonstration software is preloaded in the board's Flash memory for easy demonstration of the device peripherals in stand-alone mode. For more information and to download the latest version available, please refer to www.st.com.

4 Revision history

Table 2. Document revision history

Date	Revision	Changes
09-Sep-2010	1	Initial release.

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