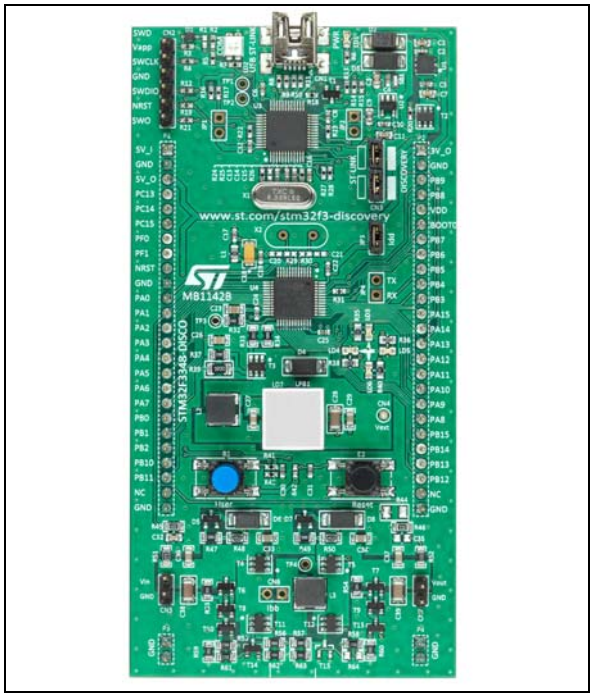
32F3348DISCOVERY

Discovery kit for STM32F334 line

Data brief

Features

- STM32F334C8T6 microcontroller featuring 64 KB of Flash memory, 16 KB RAM in an LQFP48 package.
- On-board ST-LINK/V2-1 with selection mode switch to use the kit as a standalone ST-LINK/V2-1 (with SWD connector for programming and debugging).
- USB re-enumeration capability: three different interfaces supported on USB
  - Virtual Com port
  - Mass storage
  - Debug port.
- Board power supply: through USB bus or from an external 5 V supply voltage.
- External application power supply: 3 V and 5 V.
- High brightness LED dimming with buck converter.
- One buck / boost converter.
- Six LEDs:
  - LD1 (red) for 3.3 V power on
  - LD2 (red/green) for USB communication
  - Four user LEDs: LD3 (red), LD4 (orange), LD5 (green) and LD6 (blue).
- Two pushbuttons (user and reset).
- Extension header for LQFP48 I/Os for a quick connection to the prototyping board and easy probing.
- Comprehensive free software including a variety of examples, part of STM32CubeF3 package or STSW-STM32148 for legacy Standard Library usage.



Based on an STM32F334C8T6, it includes an ST-LINK/V2-1 embedded debug tool interface, high brightness LED dimming with buck converter, buck/boost converter, LEDs and pushbuttons.

Description

The Discovery kit for STM32F334 line helps you to discover the digital power features of the STM32F334 line microcontrollers and to develop your applications easily. It offers everything required for both beginners and experienced users to get started quickly.

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

System requirements

- Windows PC (XP, 7)
- USB type A to Mini-B cable

Development toolchains

- IAR EWARM (IAR Embedded Workbench®)
- Keil® MDK-ARM™
- GCC-based IDE (Atollic TrueStudio®,..)

Demonstration software

The demonstration software is preloaded in the STM32F334 Flash memory. It uses the USER pushbutton to switch the operation of the high brightness dimming LED and the 4 standards LEDs into different modes from simple blinking mode to automatic or manual dimmer and Flash mode.

The latest versions of the demonstration source code and associated documentation can be downloaded from www.st.com/stm32f3-discovery.

Ordering information

To order the Discovery kit for STM32F334 line microcontrollers, use the order code: STM32F3348-DISCO

Revision history

Table 1. Document revision history

Date	Revision	Changes
06-Jun-2014	1	Initial release.
04-Nov-2014	2	Updated *Section : System requirements* and *Section : Development toolchains*

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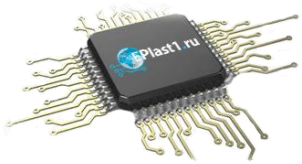

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