



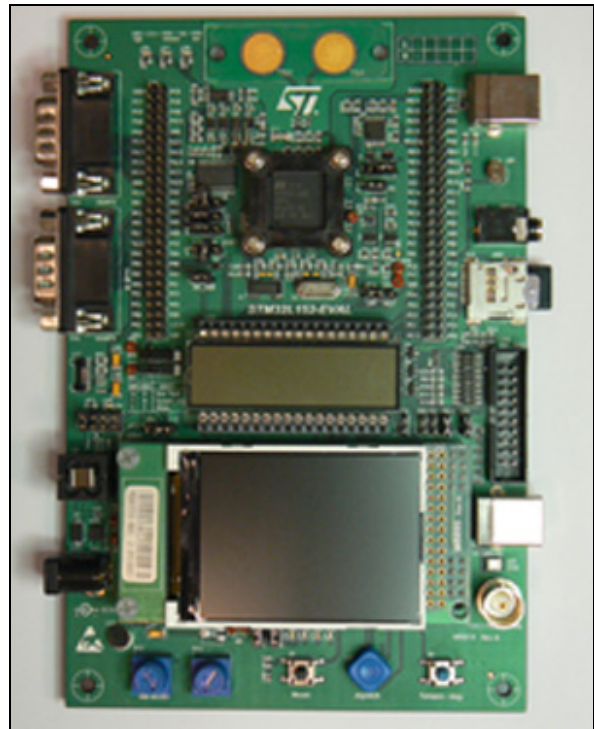
STM32L152-EVAL

STM32L152-EVAL evaluation board

Data brief

Features

- Four 5 V power supply options:
 - Power jack
 - ST-LINK/V2 USB connector
 - User USB connector
 - Daughterboard
- Audio speaker and microphone connected to DAC and ADC of STM32L152VBT6
- 2 GByte or more SPI interface MicroSD Card™
- I2C compatible serial interface temperature sensor
- RS-232 communication
- IrDA transceiver
- JTAG and trace debug support, ST-LINK/V2 embedded.
- 240x320 TFT color LCD connected to SPI interface of STM32L152VBT6
- Joystick with 4-direction control and selector
- Reset button
- Tamper or Key button
- 4 color user LEDs and 3 LEDs as MCU power range indicator
- MCU consumption measurement circuit
- LCD glass 32 x 4 segments connected to LCD controller in STM32L152VBT6
- Extension connector for daughterboard or wrapping board
- MCU voltage choice of 3.3 V or adjustable from 1.65 V to 3.6 V
- USB FS connector
- Two touch sensing buttons
- Light dependent resistor (LDR)
- Potentiometer



Description

The STM32L152-EVAL evaluation board is a complete demonstration and development platform for STMicroelectronics' ARM cortex-M3 core-based STM32L152VBT6 microcontroller supporting two I2C, two SPI and three USART channels, 12-bit ADC, 12-bit DAC, 16 KB internal SRAM and 128 KB Flash, USB FS, LCD controller, touch sensing and JTAG debugging support.

1 Ordering information

Table 1. Device summary

Order code	Reference
STM32L152-EVAL	STM32L152-EVAL evaluation board

2 Revision history

Table 2. Document revision history

Date	Revision	Changes
07-Jan-2010	1	Initial release.

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS EXPRESSLY APPROVED IN WRITING BY AN AUTHORIZED ST REPRESENTATIVE, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

© 2011 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com