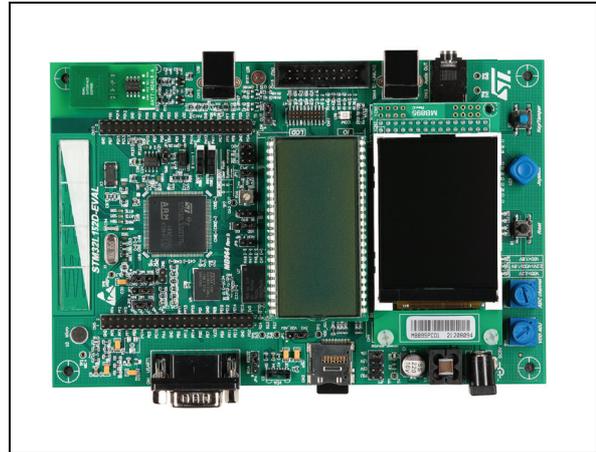


STM32L152D-EVAL evaluation board

Data brief – production data

Features

- STM32L152ZDT6 microcontroller
- Four 5 V power supply options:
 - Power jack
 - ST-LINK/V2 USB connector
 - User USB connector
 - Daughterboard
- Audio jack connected to I2S DAC or STM32L152ZDT6 internal DAC
- Microphone connected to ADC using integrated op amp as amplifier
- 2 GByte (or more) MicroSD Card on SDIO
- Temperature sensor and RF EEPROM on I2C compatible serial interface
- RS-232 interface configurable for communication or Flash loader
- IrDA transceiver
- 4 Kbit serial Flash, 512 K x 16-bit SRAM and 128 Mbit NOR Flash
- 240x320 TFT color LCD connected to FSMC interface of STM32L152ZDT6
- Joystick with 4-direction control and selector
- Reset and Tamper or key button
- 4 color user LEDs
- 3 LEDs for MCU power range indicator
- MCU consumption measurement circuit
- 40x8 glass LCD segments connected to LCD driver of the STM32L152ZDT6
- Extension connector for daughterboard or wrapping board
- MCU voltage; 3.3 V or adjustable 1.65 V-3.6 V
- USB FS connector
- Touch slider
- Light dependent resistor (LDR)
- ADC/ DAC input signal connector



- MCU integrated op amp configured as Sallen-Key 2nd order low pass filter
- MCU integrated op amp configured as amplifier with adjustable gain
- Potentiometer
- JTAG and trace debug support
- Embedded ST-LINK/V2

Description

The STM32L152D-EVAL evaluation board is a complete demonstration and development platform for the STM32 L1 series of ultra-low-power MCUs and includes an STM32L152ZDT6 ARM Cortex-M3 32-bit microcontroller with 384 KB of Flash memory. An ST-LINK/V2 is integrated on the board as an embedded in-circuit debugger / programmer for the STM32L152ZDT6. The full range of hardware features on the board helps you develop your own applications and evaluate all peripherals (USB FS, USART, audio DAC, microphone ADC, dot-matrix LCD, LCD glass, IrDA, LDR, SRAM, NOR Flash, MicroSD Card, temperature sensor and so on).

Extension headers facilitate easy connection of daughterboard or wrapping board for your application.

Ordering information

Table 1. Product summary

Order code	Reference
STM32L152D-EVAL	STM32L152D-EVAL evaluation board

Revision history

Table 2. Document revision history

Date	Revision	Changes
16-Mar-2012	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 TWO AUTHORIZED ST REPRESENTATIVES, 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.

© 2012 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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Development Boards & Kits - ARM category](#):

Click to view products by [STMicroelectronics manufacturer](#):

Other Similar products are found below :

[SAFETI-HSK-RM48](#) [PICOHOBBITFL](#) [CC-ACC-MMK-2443](#) [TWR-MC-FRDMKE02Z](#) [EVALSPEAR320CPU](#) [EVB-SCMIMX6SX](#)
[MAX32600-KIT#](#) [TMDX570LS04HDK](#) [TXSD-SV70](#) [OM13080UL](#) [EVAL-ADUC7120QSPZ](#) [OM13082UL](#) [TXSD-SV71](#)
[YGRPEACHNORMAL](#) [OM13076UL](#) [PICODWARFFL](#) [YR8A77450HA02BG](#) [3580](#) [32F3348DISCOVERY](#) [ATTINY1607](#) [CURIOSITY](#)
[NANO](#) [PIC16F15376](#) [CURIOSITY NANO BOARD](#) [PIC18F47Q10](#) [CURIOSITY NANO](#) [VISIONSTK-6ULL V.2.0](#) [80-001428](#) [DEV-17717](#)
[EAK00360](#) [YR0K77210B000BE](#) [RTK7EKA2L1S00001BE](#) [MAX32651-EVKIT#](#) [SLN-VIZN-IOT](#) [LV18F V6 DEVELOPMENT SYSTEM](#)
[READY FOR AVR BOARD](#) [READY FOR PIC BOARD](#) [READY FOR PIC \(DIP28\)](#) [EVB-VF522R3](#) [AVRPLC16 V6 PLC SYSTEM](#)
[MIKROLAB FOR AVR XL](#) [MIKROLAB FOR PIC L](#) [MINI-AT BOARD - 5V](#) [MINI-M4 FOR STELLARIS](#) [MOD-09.Z](#) [BUGGY +](#)
[CLICKER 2 FOR PIC32MX + BLUETOOT](#) [1410](#) [LETS MAKE PROJECT PROGRAM. RELAY PIC](#) [LETS MAKE - VOICE](#)
[CONTROLLED LIGHTS](#) [LPC-H2294](#) [DSPIC-READY2 BOARD](#) [DSPIC-READY3 BOARD](#) [MIKROBOARD FOR ARM 64-PIN](#)
[MIKROLAB FOR AVR](#)