

STM8L1528-EVAL evaluation board

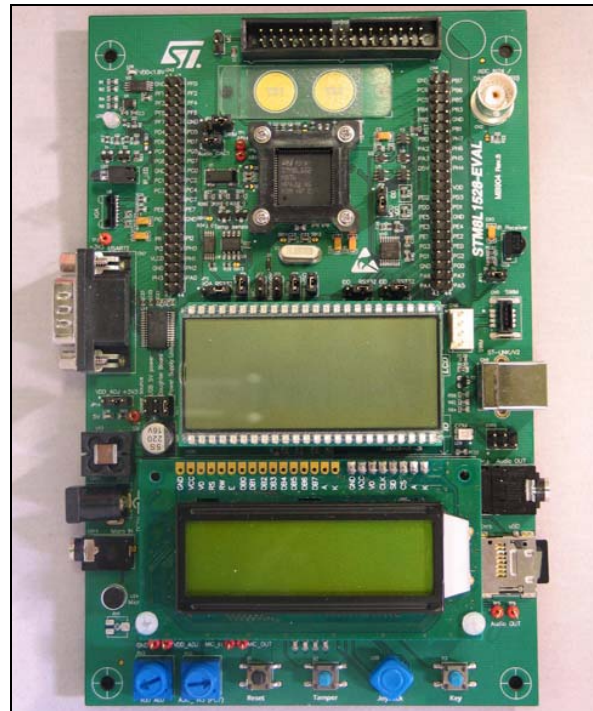
Data brief

Features

- Three 5 V power supply options: Power jack, ST-LINK/V2 USB connector or daughter board
- Audio speaker and microphone connected to DAC and ADC of STM8L152M8T6
- 1G Byte (or more) SPI interface MicroSD card
- 128 Mbit SPI serial Flash
- I²C compatible serial interface 64 Kbit EEPROM and SMBus temperature sensor
- RS232 communication
- IrDA transceiver
- Inductor Motor Control connector
- SWIM debug support, embedded ST-LINK/V2
- 122x32 Dot matrix LCD connected to SPI interface of STM8L152M8T6
- Joystick with 4-direction control and selector
- Reset, Tamper and User button
- Two touch-sensing buttons
- 4 color LEDs and one bi-color LED
- MCU consumption measurement circuit
- LCD glass (40seg x 8com) connected to the on-chip LCD driver of the MCU
- Extension connector for daughter board or wrapping board
- MCU voltage selectable to 3.3 V or adjustable from 1.65 V to 3.6 V
- IR LED and receiver

Description

The STM8L1528-EVAL evaluation board is designed as a complete demonstration and development platform for the STM8 core based STM8L152M8T6 microcontroller with I2C, two SPI channels 3 USART channels, 12-bit ADC, two 12-bit DACs, LCD driver, internal 4 KByte SRAM, 2 Kbyte data EEPROM and 64 KByte Flash



program memory as well as SWIM debugging support.

The full range of hardware features on the board is provided to help you evaluate all the MCU peripherals (motor control, USART, microphone, audio DAC, LCD, IR LED, IrDA, SPI Flash, MicroSD card, temperature sensor, EEPROM... etc.) and develop your own applications. Extension headers make it possible to easily connect a daughter board or wrapping board for your specific application.

An ST-LINK/V2 is integrated on the board as embedded in-circuit debugger and programmer for the STM8 MCU.

Table 1. Device summary

| Part number | Reference |
|----------------|---------------------------------|
| STM8L1528-EVAL | STM8L1528-EVAL evaluation board |

Revision history

Table 2. Document revision history

| Date | Revision | Changes |
|-------------|----------|------------------|
| 09-Dec-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.

© 2010 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[STMicroelectronics:](#)

[STM8L1528-EVAL](#)