Introduction

The document is related to the STEVAL-TLL008V1 demonstration kit (motherboard and daughterboard STEVAL-TLL008V2) of the STCF04 device. It is a short guide on how to correctly connect the boards to the supply generator and a PC. The demonstration kit can also work without the PC by just connecting the demo to the supply generator. In this case the device works using the basic functions. By using the software "data packet creator" or "register controller" with the PC it is possible to select the different function features of the device.

Contents

1 Using the demo without a connection to a PC

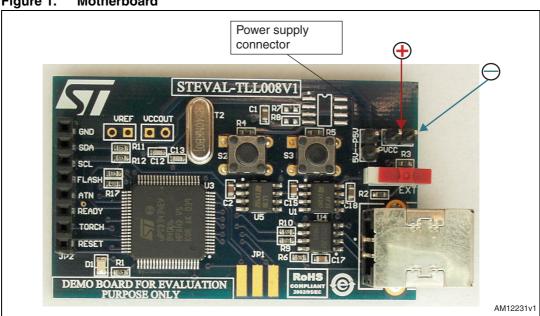**Figure 1. Motherboard**
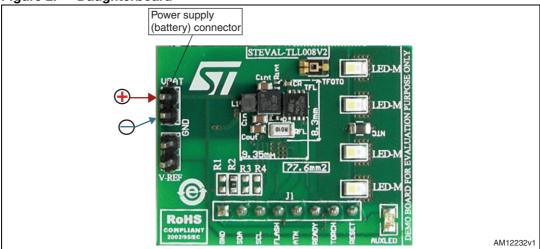

Figure 2. Daughterboard

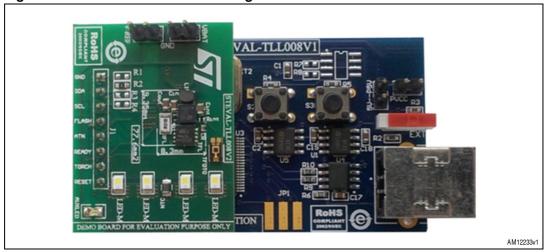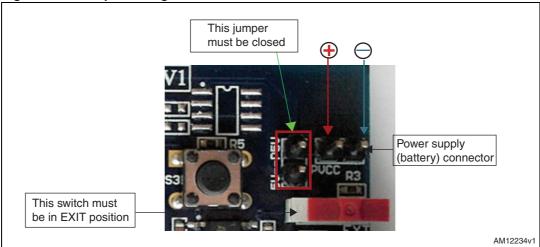**Figure 3.   Both boards connected together**

Figure 4.   Jumper configuration for use without a PC

1.   Step 1: connect the boards together according to *Figure 3*.

2.   Step 2: close the 5 V-P5 V jumper and set the switch to the right (EXT) position according to *Figure 4*.

3.   Step 3: connect 5 V power supply to the control board power supply connector.

4.   Step 4: connect battery or power supply to the daughterboard power supply connector.

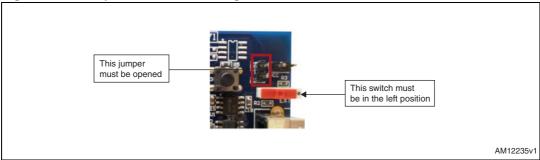5.   Step 5: press button S2 or S3 to activate the demonstration.

Warning: Never connect the demonstration kit to the PC when the jumper is closed.

---

2 Use of the demo with a connection to a PC

1. Step 1: connect the boards together according to *Figure 3*.
2. Step 2: remove the 5 V-P5 V jumper and put the switch into the left position according to *Figure 5*.

Figure 5. Jumper and switch configuration for use with a PC

3. Step 3: connect power supply or battery to the power supply connector of the daughterboard only. The control board is supplied from the USB.
4. Step 4: connect the board to the PC by the USB cable (AB type).
5. Step 5: run the data packet creator or register controller application and press the "Connect board" button.

3 Revision history

Table 1. **Document revision history**

Date	Revision	Changes
28-Aug-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.

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