



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.

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1 Using the demo without a connection to a PC

Figure 1. Motherboard

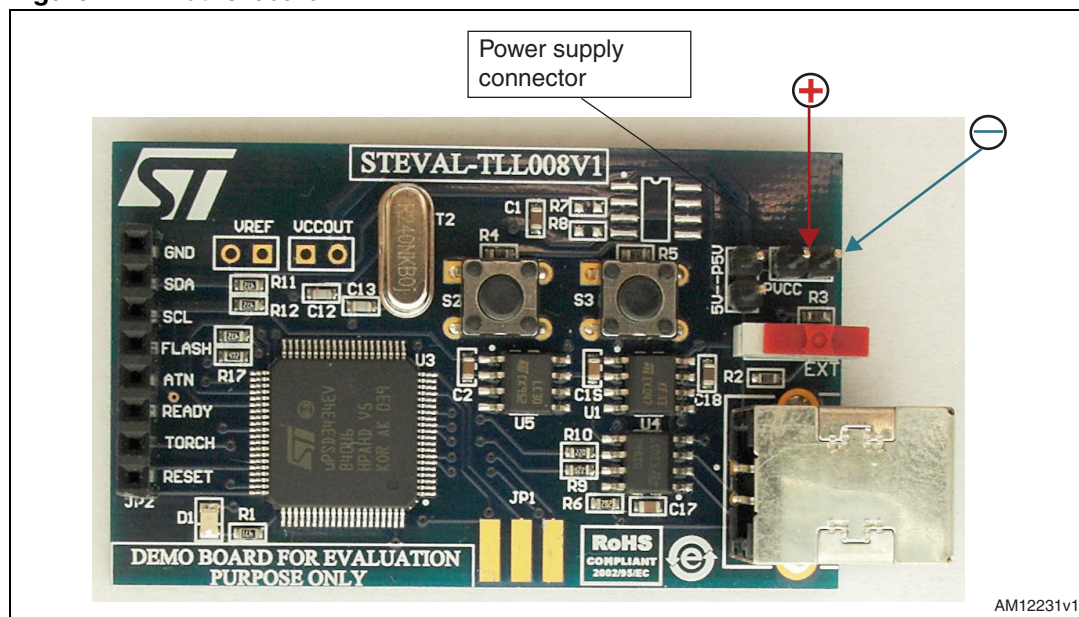


Figure 2. Daughterboard

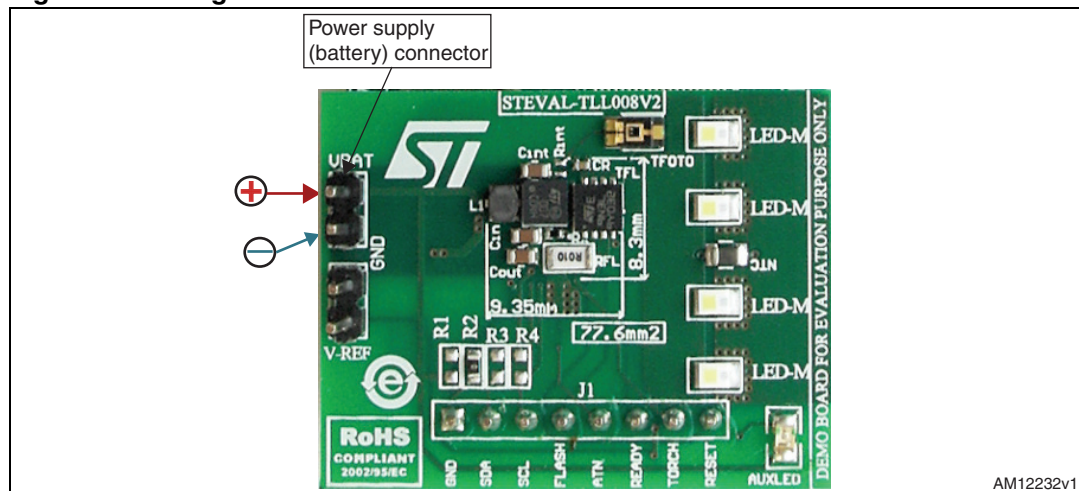
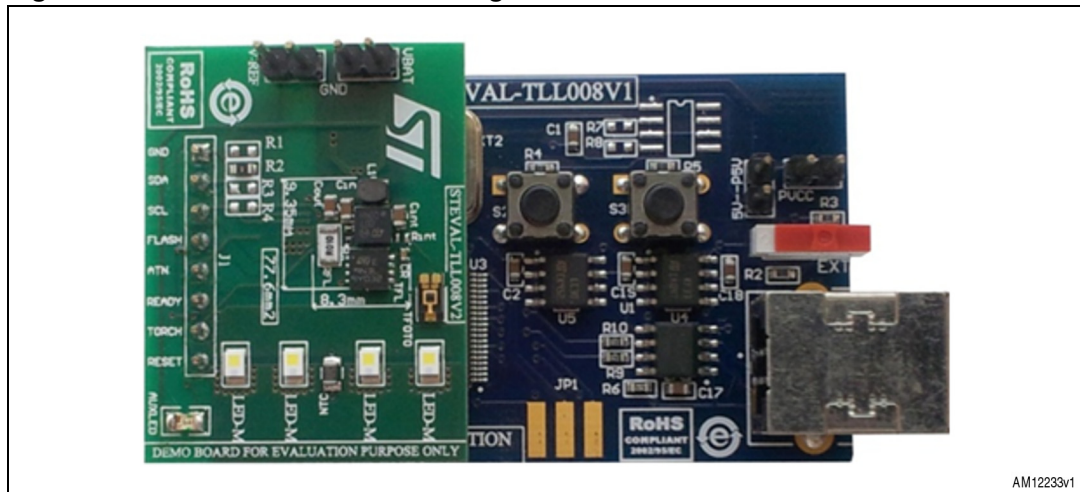
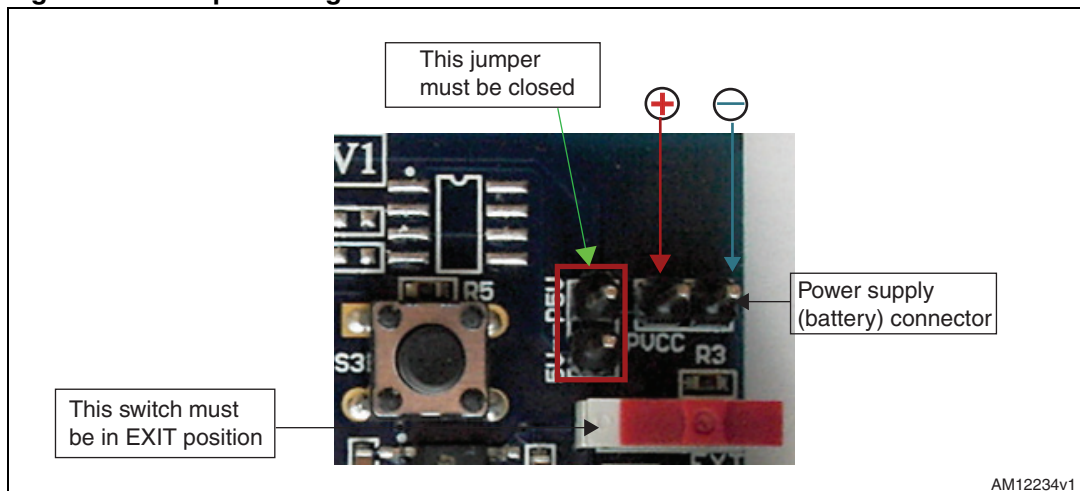


Figure 3. Both boards connected together



AM12233v1

Figure 4. Jumper configuration for use without a PC



AM12234v1

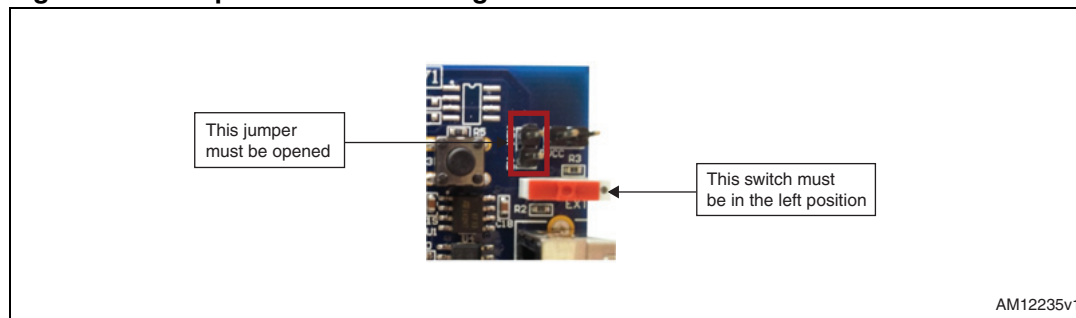
1. Step 1: connect the boards together according to [Figure 3](#).
2. Step 2: close the 5 V-P5 V jumper and set the switch to the right (EXT) position according to [Figure 4](#).
3. Step 3: connect 5 V power supply to the control board power supply connector.
4. Step 4: connect battery or power supply 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.

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