



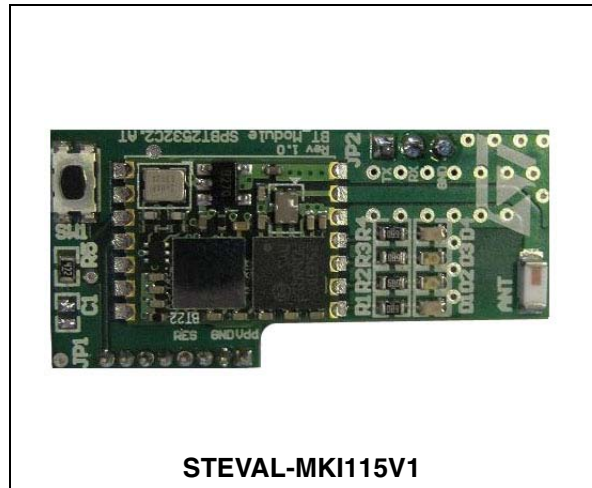
STEVAL-MKI115V1

Bluetooth extension demonstration board for STEVAL-MKI109V1

Data brief

Features

- Fully compatible with the STEVAL-MKI109V1, the extension board has been designed to make the STEVAL-MKI109V1 board wireless, a significant advantage which allows using the sensors without a connection cable
- Based on Bluetooth technology, it works in conjunction with the STEVAL-SPBT2ATV2 module or any Bluetooth device
- The module allows the user to create a Bluetooth link with simple AT commands. The AT command list is detailed in the SPBT2532C2.AT datasheet
- RoHS compliant



Description

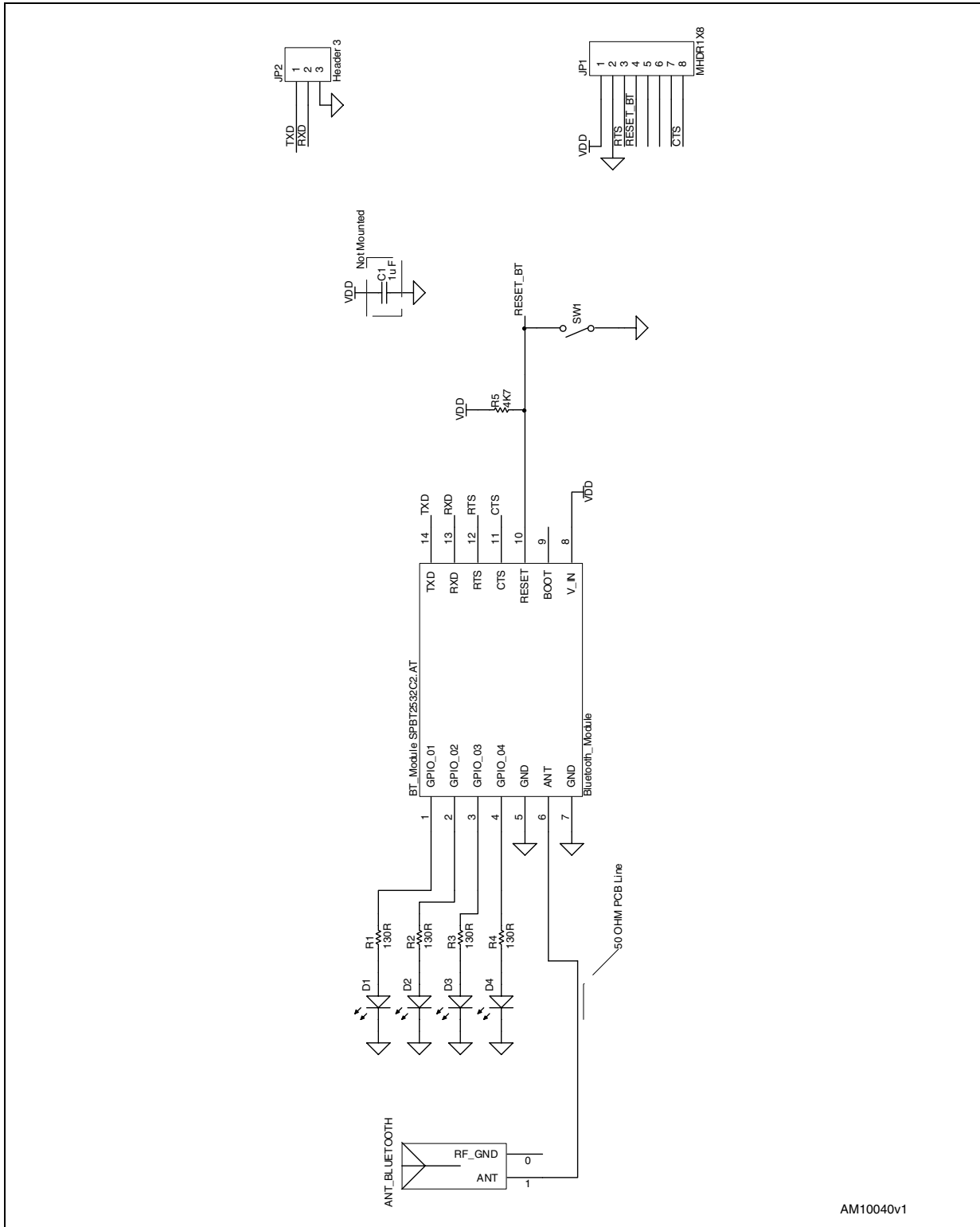
The STEVAL-MKI115V1 has been designed to be plugged into STEVAL-MKI109V1 and to make it wireless. Thanks to the SPBT2532C2.AT module mounted on board and its AT commands, it is possible to easily establish a Bluetooth connection between the STEVAL-MKI109V1 and other Bluetooth devices such as a PC, mobile phone, etc.

The STEVAL-MKI109V1 + STEVAL-MKI115V1 (FW version 2.x) are fully compatible with “Unico” PC software, allowing the user to wirelessly evaluate every sensor adapter board.

If the STEVAL-MKI109V1 has an old firmware 1.x version, it can be updated to the 2.x version through the DFU system (device firmware upgrade), see UM0412 for more details.

1 Schematic

Figure 1. STEVAL-MKI115V1 electrical schematic



AM10040v1

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
06-Sep-2011	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.

© 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