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1. Change Description and Implementation

PCN tracking number	BST-BMA42x-PN001
Product Identification (e.g., affected supplier part number(s), affected product lines including specific package types, product family).	BMA421 0 273 141 280 changes to: 0 273 016 010 BMA423 0 273 141 292 changes to: 0 273 016 016 BMA425 0 273 016 004 changes to: 0 273 016 022
Detailed description of change(s).	New improved MEMS element
Reason for change(s)	Bosch Sensortec GmbH strikes always to improve the performance and ease of use (here, placement possibilities on PCB) for all our products. Therefore, Bosch Sensortec decided to release new versions of BMA421, BMA423 and 425 with improved offset stability regarding PCB strain and PCB bending.
Anticipated impact on the product	There is no impact on form, fit, quality or the reliability of the product The main functionality stays the same. The only functional change is the behavior and the set-up of the internal sensor self test. If self test of the sensor is used, an updated of the Sensor API is necessary.
Proposed First Ship Date for change	NEW parts can be ordered for sampling and for mass production via distribution already. SPN must be considered (0 273 ...) BMA421 → 0 273 016 010 BMA423 → 0 273 016 016 BMA425 → 0 273 016 022 OLD parts can be ordered via distribution until 31.07.2020 BMA421 → 0 273 141 280 BMA423 → 0 273 141 292 BMA425 → 0 273 016 004
Date, when qualification samples are available.	Samples are available via distribution, please consider the correct SPN
Date, when final qualification data are available.	Qualification is finished and passed successfully (Qualification Report available under NDA)
Name, address, telephone, email, and fax number of supplier contact	In case of questions and comments, please contact your distribution partner or your regional Bosch Sensortec representative. Further information are available via www.bosch-sensortec.com

Note: This document is based on the JEDEC standard - JESD46D released Dec.2011



2. Acknowledgement and Response

Lack of acknowledgement of the PCN until 30.04.2020 (within 30 days) constitutes acceptance of the change.

Any concern or sample order should be submitted within the 30 days acknowledgement period.

After acknowledgement, lack of additional response until 30.06.2020 (within the 90 days) period constitutes acceptance of the change.

In case customer's written agreement is available earlier, then the first shipment may take place.

Note: Further request regarding additional information or respective documents need to be addressed to your sales representation in a timely fashion (please refer the PCN time schedule above)

3. Legal disclaimer

3.1 Engineering samples

Engineering Samples are marked with an asterisk (*) or (e). Samples may vary from the valid technical specifications of the product series contained in this data sheet. They are therefore not intended or fit for resale to third parties or for use in end products. Their sole purpose is internal client testing. The testing of an engineering sample may in no way replace the testing of a product series. Bosch Sensortec assumes no liability for the use of engineering samples. The Purchaser shall indemnify Bosch Sensortec from all claims arising from the use of engineering samples.

3.2 Product use

Bosch Sensortec products are developed for the consumer goods industry. They may only be used within the parameters of this product data sheet. They are not fit for use in life-sustaining or safety-critical systems. Safety-critical systems are those for which a malfunction is expected to lead to bodily harm, death or severe property damage. In addition, they shall not be used directly or indirectly for military purposes (including but not limited to nuclear, chemical or biological proliferation of weapons or development of missile technology), nuclear power, deep sea or space applications (including but not limited to satellite technology).

The resale and/or use of Bosch Sensortec products are at the purchaser's own risk and his own responsibility. The examination of fitness for the intended use is the sole responsibility of the purchaser.

The purchaser shall indemnify Bosch Sensortec from all third party claims arising from any product use not covered by the parameters of this product data sheet or not approved by Bosch Sensortec and reimburse Bosch Sensortec for all costs in connection with such claims.

The purchaser accepts the responsibility to monitor the market for the purchased products, particularly with regard to product safety, and to inform Bosch Sensortec without delay of all safety-critical incidents.

3.3 Application examples and hints

With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Bosch Sensortec hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights or copyrights of any third party. The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. They are provided for illustrative purposes only and no evaluation regarding infringement of intellectual property rights or copyrights or regarding functionality, performance or error has been made.



Document history and modifications

Rev. No	Chapter	Description of modification/changes	Date
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