

Product Change Notification

BMX055 – Updated Landing Pattern Recommendation

Bosch Sensortec



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BNX055: Updated Landing Pattern Recommendation

Document revision 1.0

Document release date November 28th, 2014

PCN Tracking number BST-BMX055-PN000-00

Technical reference code(s) 0 273 141 179

Notes Data in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product's appearance.

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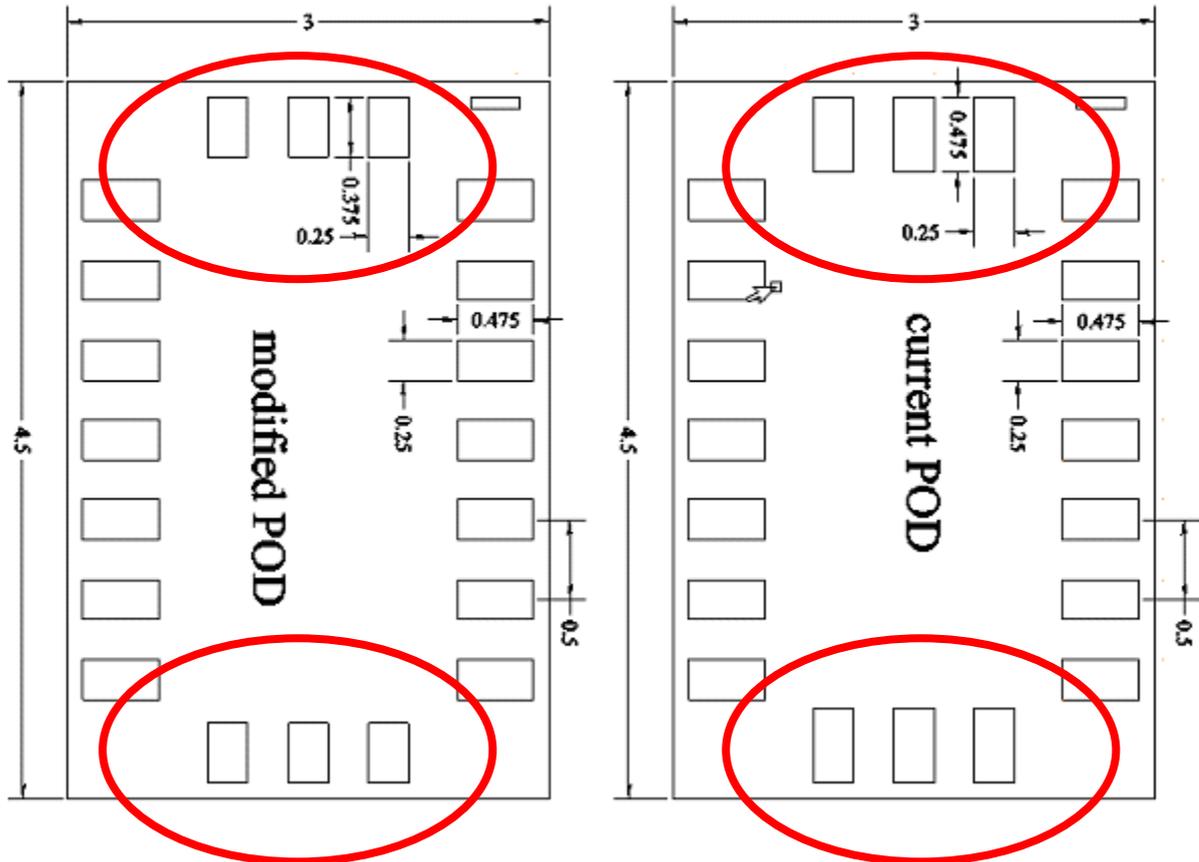
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1. Change Description and Implementation

Change description	Details
PCN tracking number	BST-BMX055-PN000-00
Product Identification (e.g., affected supplier part number(s), affected product lines including specific package types, product family).	Ordering Code: BMX055 Technical reference code: 0273141179
Customer part number(s) (optional, if not required per agreed to customer criteria)	N/A
Detailed description of change(s).	Minor change in dimension of pad size, see chapter 2
Method, if applicable, of identifying changed product	The production date helps to identify the changed product, see chapter 3
Reason for change(s)	This change ensures the robustness of the sensors from sensitivity to magnetic field.
Anticipated impact on the product	There is no impact on form, function, quality or the reliability of the product. The change in pad size however is made to increase the robustness of the device and therefore a positive impact on overall sensor performance is foreseen.
Proposed First Ship Date for change	10-02-2015
Supplier Qualification plan schedule and/or results, where applicable	Please contact the local sales regarding the detailed Qualification plan
Date, if required, when qualification samples are available.	available
Date, if required, when final qualification data are available.	16-01-2015
Last date, if applicable, of manufacture of the unchanged product.	N/A
Name, address, telephone, email, and fax number of supplier contact	Please contact the headquarters under the PCN@BST.de
Statement, if applicable, that device material declaration will be updated due to material change.	Not applicable. The device material declaration will not be updated.

2. Detailed Description of Change

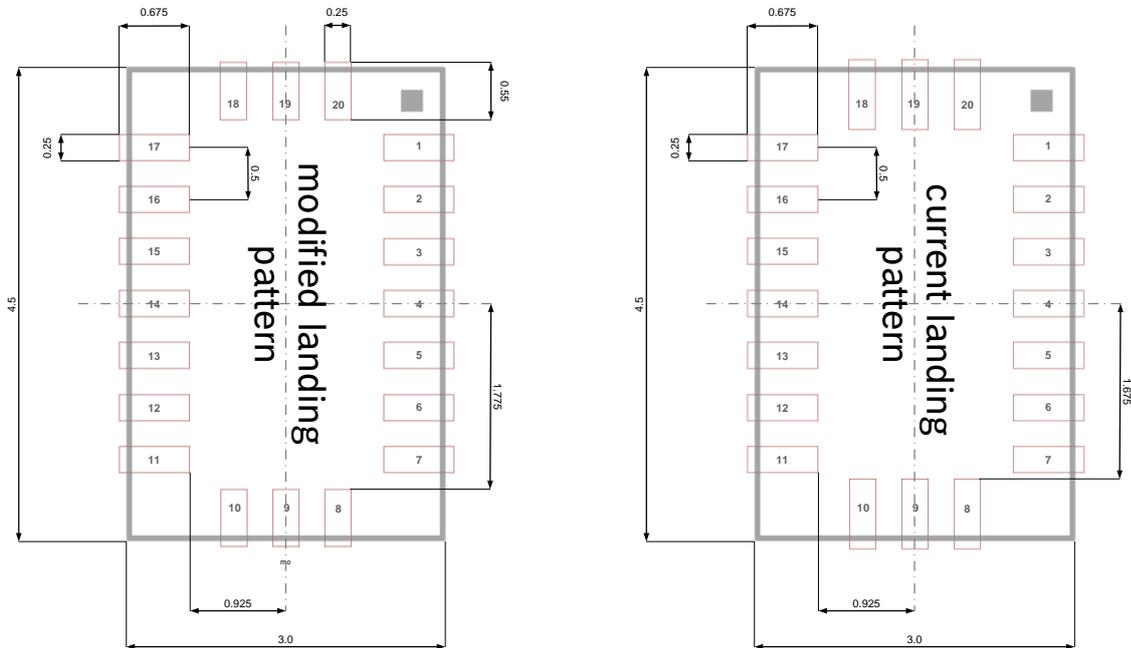
The pad layout of BMX055 changes from the current geometry (right) to the modified layout (left). The size of the pads on the long edge of the chip remains untouched ($475 \times 25 \mu\text{m}$). The pads along the short edge, however, will be shortened from $475 \mu\text{m}$ to $375 \mu\text{m}$.





Bosch Sensortec recommends changing the landing pattern according to the geometries below.

New landing pattern recommendation (left). Current landing pattern recommendation (right).



Note:

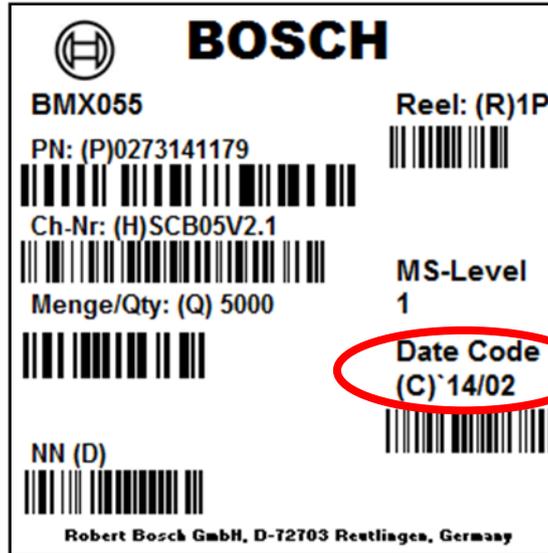
According to Bosch Sensortec's investigations and best knowledge the current landing pattern can be used with the new pad geometry in most cases. However, Bosch Sensortec recommends verifying whether the current landing pattern can be used with the new pad geometry. For further information please contact your local technical support partner.

The outline dimensions as well as the landing pattern recommendation are changed from data sheet rev. 1.0 to the modified layout in data sheet rev. 1.1:

- BST-BMX055-DS001-02
- BST-BMX055-DS000-02

3. Method of identifying changed Product

The parts delivered with date code beginning from 15/01 (Calendar week 01 and year 2015) will have the change implemented.



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BMX055 Reel: (R)1P

PN: (P)0273141179

Ch-Nr: (H)SCB05V2.1

Menge/Qty: (Q) 5000

MS-Level 1

Date Code (C) 14/02

NN (D)

Robert Bosch GmbH, D-72703 Reutlingen, Germany

4. Acknowledgement and Response

Lack of acknowledgement of the PCN until 28.12.2014 (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 28.03.2014 (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.

5. Legal disclaimer

5.1 Engineering samples

Engineering Samples are marked with an asterisk (*) or (e) 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.

5.2 Product use

Bosch Sensortec products are developed for the consumer goods industry. They are not designed or approved for use in military applications, life-support appliances, safety-critical automotive applications and devices or systems where malfunctions of these products can reasonably be expected to result in personal injury. They may only be used within the parameters of this product data sheet.

The resale and/or use of products are at the Purchaser's own risk and the Purchaser's own responsibility.

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 inform Bosch Sensortec without delay of any security relevant incidents.

5.3 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
1		Initial version	2014-11-28

Bosch Sensortec GmbH
Gerhard-Kindler-Strasse 8
72770 Reutlingen / Germany

contact@bosch-sensortec.com
www.bosch-sensortec.com

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