	Doc. Title Product Change Notification	Doc No. MM-QP20006-R01
		Revision: 04

PCN#: MM-PCN-20211014-S007

Issue Date: Oct. 20, 2021

Effective Date: Jan. 19, 2022

Dear Customer,

Here is your quality information about the product that you purchase from MindMotion.

Brief Summary


The MM32F0130 series will be upgraded to revision E.

Change Category

☐ Wafer Fab Process ☐ Wafer Fab Materials ☐ Wafer Fab Location ☐ Assembly Process
☐ Assembly Materials ☐ Assembly Location ☒ Product Marking ☒ Design
☐ Packing/Shipping/Labeling ☐ Others

Products:

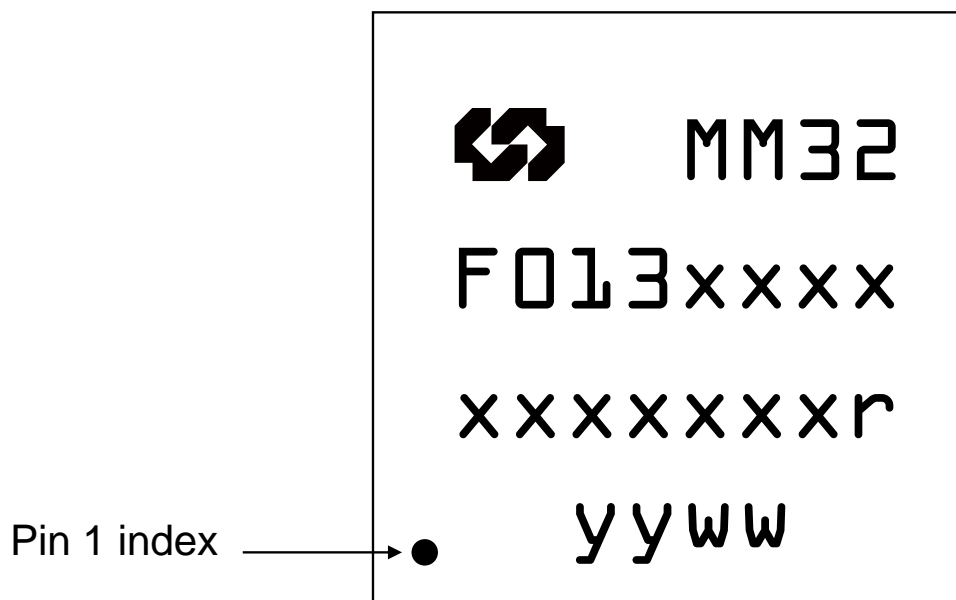
No.	Products	Package Info	Package Size
1	MM32F0133C7P	LQFP64	10x10mm
2	MM32F0132C7P	LQFP64	10x10mm
3	MM32F0131C7P	LQFP64	10x10mm
4	MM32F0133C6P	LQFP48	7x7mm
5	MM32F0132C6P	LQFP48	7x7mm
6	MM32F0131C6P	LQFP48	7x7mm
7	MM32F0133C4P	LQFP32	7x7mm
8	MM32F0132C4P	LQFP32	7x7mm
9	MM32F0131C4P	LQFP32	7x7mm
10	MM32F0133C4Q	QFN32	5x5mm
11	MM32F0132C4Q	QFN32	5x5mm
12	MM32F0131C4Q	QFN32	5x5mm
13	MM32F0131C3N	QFN28	4x4mm

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Description of Change

- 1) The design of products in above list have been optimized and upgraded to revision E, for change details, please refer to the product Errata Sheet.
- 2) For QFN32 (5x5mm, 0.5mm pitch) package, the orderable part number has been updated from MM32F013xx4**N** to MM32F013xx4**Q**. For other packages, no change in the orderable part number. This change is only applicable to revision E.
- 3) The marking of products in above list have been updated to new format. This change is only applicable to revision E.
 - The new marking and existing marking are listed in following pages and also listed in the datasheet


1. New marking description



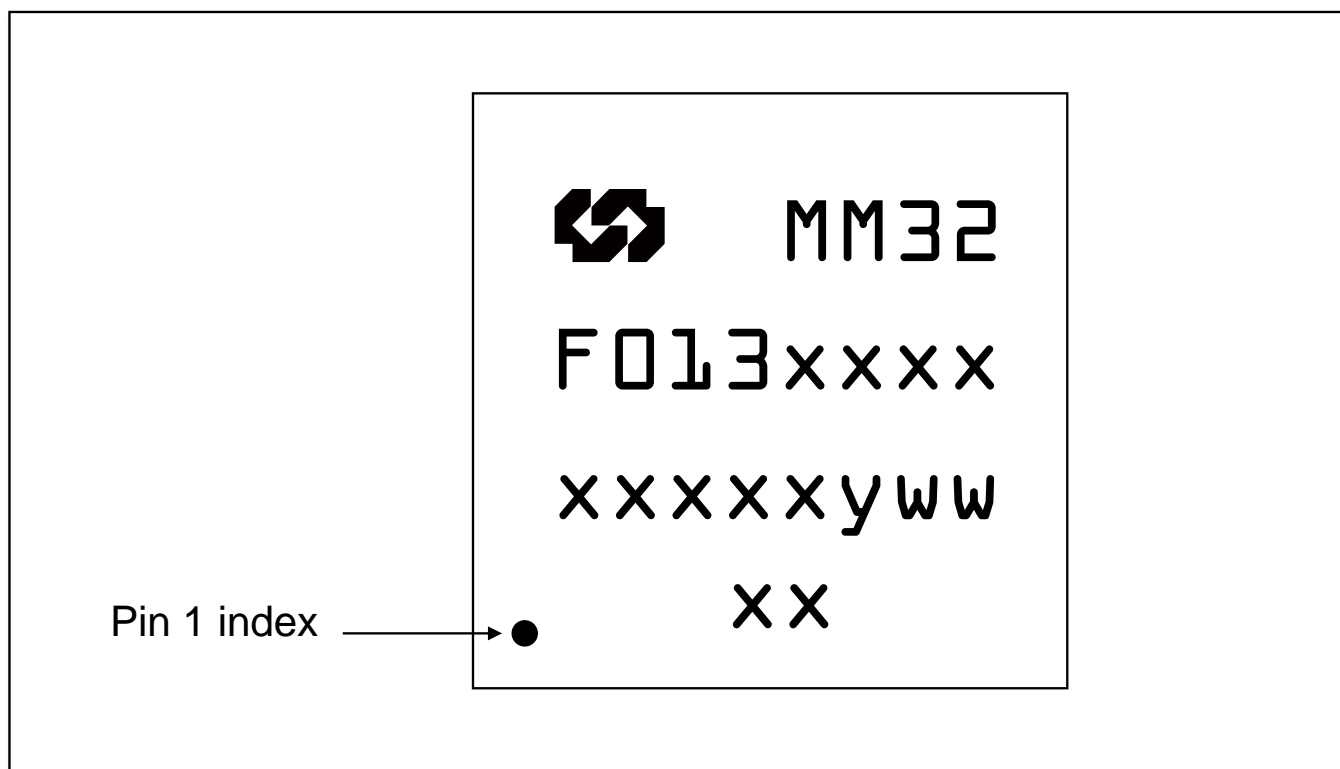
LQFP or QFN package has the following topside marking:

- 1st line: MM32
 - Company logo + first part of product name.
- 2nd line: F013xxxx
 - Second part of product name.
- 3rd line: xxxxxxxr
 - Trace code + revision code, the “r” means chip revision.
- 4th line: yyww
 - Date code, “yy” means year and “ww” means week in date code.

*Please note these figures are not drawn according to real scale.

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2. Existing Marking Description



LQFP or QFN package has the following topside marking:

- 1st line: MM32
 - Company logo + first part of product name.
- 2nd line: F013xxxx
 - Second part of product name.
- 3rd line: xxxxyww
 - Trace code + date code, “y” means year and “ww” means week in date code.
- 4th line: xx
 - Trace code.

*Please note these figures are not drawn according to real scale.

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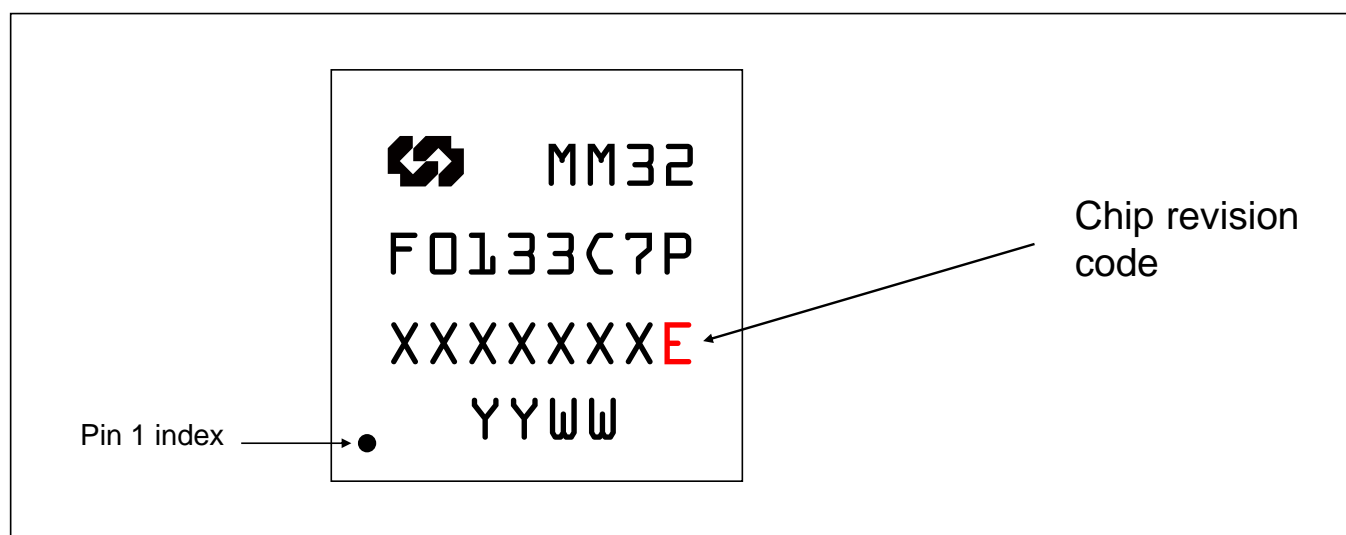
Reason of Change

To optimize design quality and ensure the chip marking reflects an easy-to-read way to end customers.

Identification of Affected Products

The product revision can be identified from the chip topside marking in the new marking format, for the Revision E products, the one-character chip revision code is “E”.

Below is one example to show the revision code location. Please note these figures are not drawn according to real scale.



Anticipated Impact

No changes to register map, bit field functions, pinout and pin assignment.
Existing inventory will be shipped until depleted.

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Timing and Product Availability

Samples are available upon request.

Planned first shipment of production chips is Jan. 20, 2022

Your acknowledge of this change is expected by Dec. 3, 2021

Please Contact your local MindMotion Sales Support Team for further request.