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# Azoteq Product Change Notice: IQS333

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**Issued Date: October 2020**

**Effective Date: October 2020**

**PCN Number: CN-PRS-0146**

**Product change classification: Minor**

## 1 Azoteq Change Notification Policy

As Azoteq values our customers' needs, we try to keep our products in production for as long as possible. There are, however, legal, environmental or performance requirements that will sometimes necessitate the need for a running change to a part. We weigh this very carefully against the inconvenience caused to customers already in production.

## 2 Detailed Description of Changes

### 2.1 Software Changes

- Minor update 1: Multi-device I2C bus functionality
  - Multiple devices on the same I2C bus was non-functional due to the disabling of the I2C module after a communication window and subsequent re-enabling at start of the window.
  - The issue mentioned above was corrected in the new IC version mentioned in this document.

### 2.2 Hardware Changes

- Minor Update 1: Hardware change for improved yield.
  - Over time, process shifts during semiconductor manufacturing require an update in hardware for improved yield.
  - The issue mentioned above was corrected in the new IC version mentioned in this document.

### 2.3 Customer Part Number Change

The IC order code will remain unchanged. The change can be tracked via:

- LOT no.
- Device marking version number

### 2.4 Part Identification Change (QFR)

#### 2.4.1 IC Marking

The revision number marked on the top of the IC changes from 4 to 5:



	Old	New
Order code	IQS333 z ppb	IQS333 z ppb
Marked version number	4	5
Device top marking	IQS333 4I 0 2wwyy	IQS333 5I 0 2wwyy

### 2.4.2 Firmware Version ID

For customer software compatibility, the product number read on-chip is unchanged:

	Old	New
Device marking	IQS333 4I 0 2wwyy	IQS333 5I 0 2wwyy
Product Number (Address 0x00 <b>byte 0</b> <sup>1</sup> )	54 (decimal)	54 (decimal)
Version number (Address 0x00 <b>byte 1</b> <sup>1</sup> )	2 (decimal)	2 (decimal)

## 3 Recommended Action

Customer QC should prepare to accept the new product marking upon incoming inspection.

## 4 Reference Documents/Attachments

IQS333 Datasheet ([www.azoteq.com](http://www.azoteq.com))

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<sup>1</sup> At each address there are 2 bytes to read: byte 0 and byte 1




## 5 Contact Information

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