

## PCN – Product Change Notification

<b>Topic:</b>	<b>Improved M8 module performance with passive antenna and weak signal conditions</b>
	UBX-15015253
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### 1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)
CAM-M8Q	CAM-M8Q-0	CAM-M8Q-0-00	CAM-M8Q-0-01
LEA-M8S	LEA-M8S-0	LEA-M8S-0-00	LEA-M8S-0-01
MAX-M8C	MAX-M8C-0	MAX-M8C-0-01	MAX-M8C-0-02
MAX-M8Q	MAX-M8Q-0	MAX-M8Q-0-00	MAX-M8Q-0-01
NEO-M8M	NEO-M8M-0	NEO-M8M-0-00	NEO-M8M-0-01
NEO-M8Q	NEO-M8Q-0	NEO-M8Q-0-00	NEO-M8Q-0-01

### 2 Type of Change

- Hardware modification  
 Firmware update  
 Others, \_\_\_\_\_

### 3 Description of Change

In a constant effort to improve our products and their performance, a minor internal hardware modification has been implemented. The modification (signal filtering) is done on three digital control lines and will further improve GNSS reception when using a near-by passive antenna in very weak signal conditions.

Product specifications, overall performance and characteristics will remain unchanged. At the same time, u-blox has taken the opportunity to update relevant design recommendation documentation.

### 4 Schedule

Product	Sample availability date	First estimated shipment date <sup>1</sup>
CAM-M8Q, MAX-M8C, MAX-M8Q, NEO-M8M	21-Sep-2015	9-Oct-2015
LEA-M8S, NEO-M8Q	19-Oct- 2015	6-Nov-2015

### 5 Customer Impact and Recommended Action

There will be no technical impact as a result of this change. If customers want to evaluate the new module, they can use the sample order program to request parts for their own qualification and reliability tests.

The type number and data code on the module labels will change accordingly.

<sup>1</sup> The Estimated First Shipment Date is the forecasted date that a customer may expect to receive changed product with the new Type Number. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, u-blox will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.