

## PCN – Product Change Notification

<b>Topic:</b>	<b>Firmware and hardware change in production</b>
	UBX-16004907
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### 1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
LEA-M8T	LEA-M8T-0	LEA-M8T-0-01	LEA-M8T-0-10	

### 2 Type of Change

Hardware: component value revision  
 Firmware: new release  
 Others: labeling (type number and data code)

### 3 Description of Changes

#### 3.1 Hardware

The capacitive load presented to the application circuit by pin 11 (back-up voltage supply input) will increase from approximately 100 nF to approximately 1  $\mu$ F.

#### 3.2 Firmware

From the date indicated below a new firmware release will be applied to the Affected Products in production. The version of firmware may be identified according to the Type Number as follows:

Type No	Firmware version	Remarks
LEA-M8T-0-01	V2 TIMRAW1.02 (old)	
LEA-M8T-0-10	V3 TIM1.10 (new)	

For full details of changes please see:

- [1] Release Note, FW3.01 Timing 1.10 (UBX-16004908),
- [2] GNSS-FW3.01 Release Notes (UBX-16000319)
- [3] LEA-M8T (FW3) Data Sheet (UBX-15025193)
- [4] the latest u-blox-8 / u-blox M8 Receiver Description (UBX-13003221)

This release introduces u-blox FW3 features to the LEA-M8T timing product including support for the Galileo constellation and improved BeiDou signal acquisition sensitivity.

## 4 Schedule

Samples:	04 May 2016	Last Time Buy Date <sup>1</sup> :	N/A
Estimated First Shipment Date <sup>2</sup> :	07 September 2016	Last Ship Date <sup>1</sup> :	N/A
Documentation	04 May 2016	FW (if applicable)	1 March 2016

## 5 Customer Impact and Recommended Action

The new product is electrically and physically identical with the old product.

The new product firmware is expected to perform in a very similar way to the existing product in timing applications using the default configuration. However, u-blox recommends that the customer confirm compatible behavior in their application as soon as samples or firmware become available. Please refer to [1] Release Note, FW3.01 Timing 1.10 (UBX-16004908) for details of the unique firmware identification string that can be used to identify this firmware release using message UBX-MON-VER. Note that a recent version of u-center or u-blox firmware update utility will be required to restore an upgraded product to its previous version of firmware.

For new designs u-blox recommends that any qualification process is completed using parts with the new firmware.

## 6 Reference Documents

- [1] Release Note, FW3.01 Timing 1.10 (UBX-16004908)
- [2] GNSS-FW3.01 Release Notes (UBX-16000319)
- [3] LEA-M8T (FW3) Data Sheet (UBX-15025193)
- [4] u-blox-8 / u-blox M8 Receiver Description (UBX-13003221)

<sup>1</sup> All orders for the old Type Number placed after the notification date are **non-cancelable** and **non-returnable (NCNR)**.

<sup>2</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.