

## PCN – Product Change Notification

<b>Topic:</b>	<b>LEA-5H/T; TIM-5H with FW 5.00</b>
	UBX-TN-08021
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### 1 Affected Products

Technology	Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
u-blox 5	LEA-5H	LEA-5H-0	LEA-5H-0-006	LEA-5H-0-007	
u-blox 5	LEA-5T	LEA-5T-0	LEA-5T-0-000	LEA-5T-0-001	
u-blox 5	TIM-5H	TIM-5H-0	TIM-5H-0-001	TIM-5H-0-002	

### 2 Type of Change

[ ] Hardware modification

[ **x** ] Firmware update

[ ] Others, \_\_\_\_\_

### 3 Description of Change

The Flash firmware will be upgraded from version V4.01 to V5.00. The new u-blox 5 Firmware Version V5.00 addresses limitations of Version V4.01. The main changes are:

- Reduced power consumption in tracking mode
- USB start-up recognition enumeration has been improved
- DDC EEPROM memory recognition has been improved
- Built-in DC/DC converter is disabled by default
- RF chip control has been improved for yield improvement

A release note with a comprehensive list of changes can be expected in the 2nd half of June 2008 together with the released Flash firmware V5.00.

## 4 Schedule

Samples:	2008-06-14	Last Time Buy Date <sup>1</sup> :	N/A
Estimated First Shipment Date <sup>2</sup> :	2008-06-18	Last Ship Date <sup>1</sup> :	N/A

Flash FW V5.00 for C0300 (ROM0.3), D0400 and E0400 (ROM4.00) Chips:	2008-06-18		
Firmware V5.00 Release Note:	2008-06-24		

## 5 Customer Impact and Recommended Action

u-blox has exercised utmost care to achieve the highest possible level of backward compatibility for Firmware Version V5.00 to its predecessor Version V4.01. Customers running the firmware from ROM do not need to take extra steps beyond a system test.

Customers operating the firmware from Flash EPROM in conjunction with the Baseband UBX-G5000 will need to obtain a new firmware image from u-blox.

**Attention!** Flash firmware images compiled for UBX-G5000-BT C0300, D0400 or E0400 chips will not run on the modules based on newer Baseband chips (UBX-G5000-BT E0500). Firmware images for the newer Baseband chips can be obtained from u-blox web site in Q3/08. Refer to section 5.1 to select the appropriate Flash image and to [http://www.u-blox.com/products/u\\_center.html](http://www.u-blox.com/products/u_center.html) for the firmware update utility.

### 5.1 Chip Reference List

The following list shows the Baseband Chip versions inside the receiver modules:

Form factor	Product Name	Baseband Chip C0300	Baseband Chip D0400 or E0400
LEA	LEA-5H	LEA-5H-0-003 LEA-5H-0-004 LEA-5H-0-005	LEA-5H-0-006 LEA-5H-0-007
	LEA-5T		LEA-5T-0-000 LEA-5T-0-001
TIM	TIM-5H	TIM-5H-0-000	TIM-5H-0-001

<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.