![u-blox logo]

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PCN – Product Change Notification

Topic:	LEA-5S-0
	UBX-TN-08003
Author:	TC
Date:	10.04.08

1 Affected Products

Technology	Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
u-blox 5	LEA-5S	LEA-5S-0	LEA-5S-0-002	LEA-5S-0-003	

2 Type of Change

[**x**]   Hardware modification
[   ]   Firmware update
[   ]   Others, _____

3 Description of Change

GPS and GALILEO Baseband chip UBX-G5000-BT revision has changed and internal flash memory has been removed. The firmware is now executed from ROM memory inside the GPS and GALILEO Baseband Chip instead of a Flash memory inside the module as with the previous type number LEA-5S-0-002.

4 Schedule

Samples:	Last Time Buy Date[1]: N/A
Estimated First Shipment Date[2]: 15th April 2008	Last Ship Date[1]: N/A

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[1]   All orders for the old Type Number placed after the notification date are ***non-cancelable*** and ***non-returnable (NCNR)***.

[2]   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.

5   Customer Impact and Recommended Action

5.1   Firmware

The firmware revision has not changed and remains V4.00. No difference in GPS performance has to be expected. The Start-up Messages reflect the new ROM status.

Old type number: LEA-5S-0-002

```
$GPTXT,01,01,02,u-blox ag - www.u-blox.com*50

$GPTXT,01,01,02,HW  UBX-G5xxx  00040005 *1B

$GPTXT,01,01,02,EXT CORE 3.0+ (25402M) Dec 21 2007 11:03:06*05
```

Old type number: LEA-5S-0-003

```
$GPTXT,01,01,02,u-blox ag - www.u-blox.com*50

$GPTXT,01,01,02,HW  UBX-G5xxx  00040005 *1B

$GPTXT,01,01,02,ROM CORE 4.00 (25682) Jan 14 2008 16:29:23*41
```

Customers do not need to take extra steps beyond a system test.

5.2   USB

The USB Port on LEA-5S-0-003 is not supported. For further information please refer to the Datasheet [1]. If USB is essential in the design LEA-5H or LEA-5Q are recommended as a replacement products.

6   Reference Documents

[1]   LEA-5 Datasheet (GPS.G5-MS5-07026)

[2]   u-blox 5 Firmware Version 4.00 Release Note (GPS.G5-SW-08002)