

PCN – Product Change Notification

Topic:	LEA-5S/A/M/Q; NEO-5Q with ROM5.00
	UBX-TN-08023
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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-0-003	LEA-5S-0-004	
u-blox 5	LEA-5A	LEA-5A-0	LEA-5A-0-002	LEA-5A-0-003	
u-blox 5	LEA-5Q	LEA-5Q-0	LEA-5Q-0-001	LEA-5Q-0-002	
u-blox 5	LEA-5M	LEA-5M-0	LEA-5M-0-001	LEA-5M-0-002	
u-blox 5	NEO-5Q	NEO-5Q-0	NEO-5Q-0-001	NEO-5Q-0-002	

2 Type of Change

Hardware modification

Firmware update

Others, _____

3 Description of Change

The ROM firmware will be upgraded from version V4.00 to V5.00. The new u-blox 5 ROM Version 5.00 offers new features and addresses limitations of Version 4.00. The main changes are:

- Reduced power consumption in tracking mode
- The new CFG-RXM message allows switching between Max. Performance Mode and Eco Mode
- Antenna power is now turned off if the receiver enters USB Suspend 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 the comprehensive list of changes can be expected in the 2nd half of June 2008.

4 Schedule

Firmware V5.00 Release Note:	2008-06-24	
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LEA-5A/ LEA-5S

Samples:	2008-08-23	Last Time Buy Date ¹ :	N/A
Estimated First Shipment Date ² :	2008-09-08	Last Ship Date ¹ :	N/A

LEA-5Q/ LEA-5M

Samples:	2008-08-30	Last Time Buy Date ¹ :	N/A
Estimated First Shipment Date ² :	2008-10-20	Last Ship Date ¹ :	N/A

NEO-5Q

Samples:	2008-09-13	Last Time Buy Date ¹ :	N/A
Estimated First Shipment Date ² :	2008-10-06	Last Ship Date ¹ :	N/A

5 Customer Impact and Recommended Action

u-blox took utmost care to achieve the highest level of backward compatibility of ROM Version 5.00 to its predecessors 4.00. Customers running the firmware from ROM do not need to take extra steps beside 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.

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

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.