

Product change note

Topic **Laser product marking for u-blox NEO-M9x and NEO-F10N modules**
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1 Affected products

Generation	Product Name	Type number
u-blox M9	NEO-M9L	All variants and type numbers
	NEO-M9N	
	NEO-M9V	
u-blox F10	NEO-F10N	All variants and type numbers

2 Type

- | | |
|--|--|
| <input type="checkbox"/> Product status change | <input checked="" type="checkbox"/> Documentation update |
| <input type="checkbox"/> Hardware/component change | <input type="checkbox"/> Certification information |
| <input type="checkbox"/> Firmware/software update | <input type="checkbox"/> Security advisory |
| <input checked="" type="checkbox"/> Label change | <input checked="" type="checkbox"/> Other: new test line |

3 Description

As part of u-blox's commitment to continuous improvement, we are updating the labelling method for the NEO modules listed above, shifting from printed labels to laser marking. The product marking content is also updated to make the text more readable, highlighting the most important information.

Table 1 provides photos of the old and new product marking and indicates the differences between them.

The change from ink-based to laser product marking improves the durability of the marking, while also aligning with industry trends, supplier strategies, and environmental objectives.

To facilitate the transition at our EMS production line, laser marking tools will replace the old labeling tools in a new test line, featuring an enhanced process flow for more streamlined production.



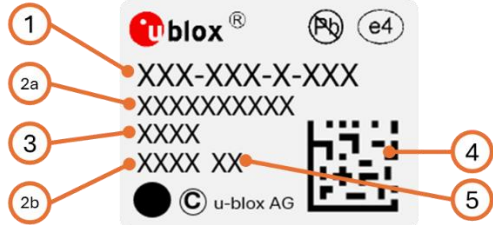
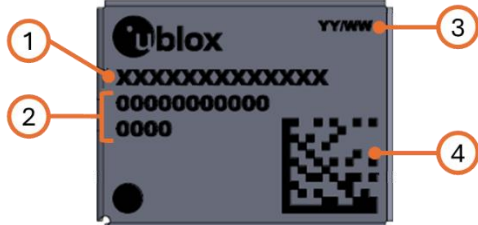
	Current label marking	NEW laser marking
Photos		
Details		
Code 1	Type number	Same
Code 2	Serial number (2a+2b)	Same
Code 3	Production date (YYWW)	Production date (YY/WW) moved to the corner
Code 4	2D barcode	Bigger
Code 5	Panel position number	Panel position removed (traceable via Serial number and 2D barcode).

Table 1: comparison between current label-marking and new laser-marking.

4 Schedule

The first NEO modules with the new laser marking are estimated to be shipped as shown in the following table:

Product Name	Estimated first shipment date ¹
NEO-M9V	
NEO-M9N	1-Sep-2025 (CW36)
NEO-F10N	
NEO-M9L	1-Nov-2025 (CW44)

¹ The estimated first shipment date is the forecasted date when a customer may expect to receive the changed product. 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 the changed product on this date, u-blox will continue to ship the pre-changed product until the inventory has been depleted. This may result in the pre-changed product being shipped to customers after this forecasted date.

5 Customer impact and recommended action

Customers are hereby informed of the upcoming change and are encouraged to refer to this PCN letter for details, as well as to adjust their logistics and production processes to accommodate the updated marking.

We are ensuring clear readability of the laser engraved 2D bar code. However, some adjustments in the customer's production line might be necessary because the laser marked shield surface is glossier than the paper label.

Currently (30-Apr-2025), the Data sheets for the affected products still describe the current label marking. The updated documentation will be released according to the schedule outlined in this PCN, and the changes will be noted in the document revision history.



Upon request, u-blox provides a new PPAP package (production part approval process) for automotive grade products, including updated documentation and production flowchart.

6 Related documentation

- [1] NEO-M9N-00B Data sheet , [UBX-19014285](#)
- [2] NEO-M9V-20B Data sheet , [UBX-21029781](#)
- [3] NEO-M9L-01A Data sheet , [UBX-20016394](#)
- [4] NEO-M9L-20A Data sheet , [UBX-21028129](#)
- [5] NEO-F10N Data sheet, [UBX-23002117](#)