

## Product change note

Topic **Reel type and size change for u-blox NEO modules**  
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## 1 Affected products

Generation	Product Name	Type number
u-blox M8	NEO-M8J	NEO-M8J-0-11
		NEO-M8L-06B-00
	NEO-M8L	NEO-M8L-06B-01
		NEO-M8L-06B-02
	NEO-M8M	NEO-M8M-0-11
	NEO-M8N	NEO-M8N-0-12
	NEO-M8P	NEO-M8P-0-12
		NEO-M8P-2-12
	NEO-M8Q	NEO-M8Q-0-12
		NEO-M8Q-01A-10
	NEO-M8T	NEO-M8T-0-11
	NEO-M8U	NEO-M8U-06B-00
u-blox 9	NEO-M9L	All variants and type numbers
	NEO-M9N	
	NEO-M9V	
	NEO-D9C	
	NEO-D9S	
u-blox 10	NEO-F10N	All variants and type numbers
	NEO-F10T	

## 2 Type

- |  |  |
|--|--|
| <input type="checkbox"/> Product status change     | <input 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 type="checkbox"/> Label change              | <input checked="" type="checkbox"/> Other: reel type and size change |

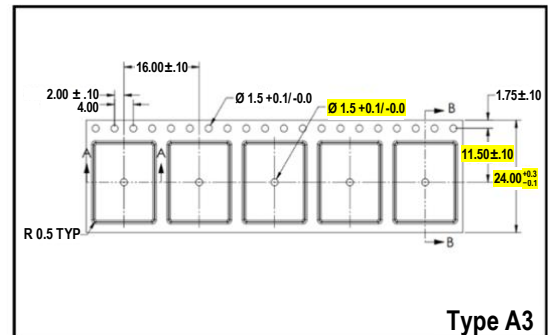
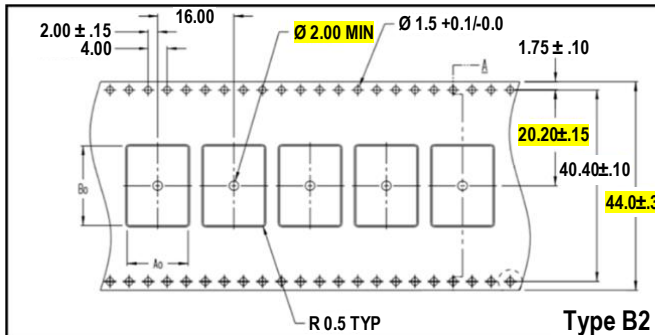
## 3 Description

u-blox is introducing a **new reel type for NEO modules**.

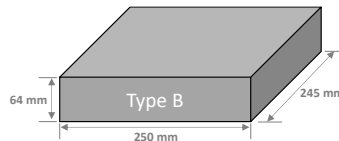
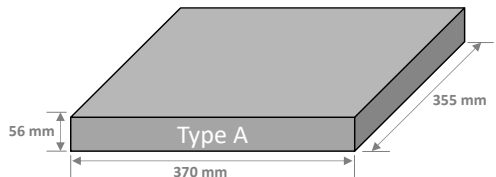
The reel for all affected u-blox NEO modules listed above will be updated **from Type B2 to Type A3** and the quantity per reel will increase **from 250 to 500 pieces**. The optimized reel better aligns the physical reel size and the quantity of modules it holds, reducing the overall material usage and waste.

The overview of changes is shown below, while full reel drawings are shown in Figures 12 and 13 of Packaging Information [1].

Form factor	Reel quantity	Reel type	Reel diameter	Tape width	Pocket hole	Sprocket holes
Old NEO reel	250 pcs	Type B2	220 mm	44 mm	Ø 2.00 mm	Both sides
New NEO reel	500 pcs	Type A3	330 mm	24 mm	Ø 1.50 mm	One side



To accommodate the larger reel type A3, it will be delivered in the larger carton type A, as shown below.

Carton type	Type B (Old)	Type A (New)
Box size [LxWxH]	250 x 245 x 64 mm	370 x 355 x 56 mm
		



For the updated details on all reel types, package cartons, shipping parcels etc., refer to the latest revision of the Product packaging reference guide [1].

## 4 Schedule

The first NEO modules with the new reel and carton types are expected to be shipped as of **calendar week 46, 2025 (after Monday, 11-Nov-2025)**. This is the forecasted date for customers receiving delivery with the new reel type. It is based on inventory depletion as of the PCN issue date. Supply and demand changes may impact the first shipment date.

## 5 Customer impact and recommended action

As of today (13-Feb-2025), the documentation for the affected products still indicates the old reel type (B2) and size (250 pcs). These documents will be updated with the planned changes, as they take effect in calendar week 46, 2025. Updates will be reflected in the document revision history.

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 carton box dimensions and reel specifications.

Furthermore, please note that the quantity of modules per reel is explicitly stated in the Order Confirmation document.

Order Confirmation 244314		Thalwil, 28 January 2025			
Date of order: 28 September 2024		Client ID: 00000000000000000000			
Mode of order: Direct purchase		Our Reference: 00000000000000000000			
Your Reference: 244314		Mode of delivery: 00000000000000000000			
VAT-No: CH123456789		Terms of delivery: 00000000000000000000			
Terms of payment: 00000000000000000000					
Depending on availability of components, the standard lead time after receipt of a purchase order is 8 weeks for standard and professional quality grade products, and 12-16 weeks for automotive quality grade products.					
Standard lead times are based on ARO date (Date after Receipt of the Order).					
Pos	Item	Quantity	Unit	Price	Total USD
10	End Customer: 00000000000000000000 Project Owner: 00000000000000000000 NEO-M9L-20A u-blox M9 GNSS module - 85° C Automotive dead reckoning onboard sensor LCC, 12x16 mm 250 pcs/reel Automotive Grade Business Unit: 00000000000000000000 Request date: 28 January 2025	1000	pcs	00000000000000000000	00000000000000000000
Total				USD	00000000000000000000

## 6 Related documentation

- [1] Product packaging reference guide, [UBX-14001652](#)
- [2] NEO-M8 Data sheet, [UBX-13003366](#)
- [3] NEO-M8L-06B Data sheet, [UBX-20058645](#)
- [4] NEO-M8P Data sheet, [UBX-15016656](#)
- [5] NEO-M8T Data sheet, [UBX-15025193](#)
- [6] NEO-M8U Data sheet, [UBX-15015679](#)
- [7] NEO-M9L Integration manual, [UBX-20048485](#)
- [8] NEO-M9N Integration manual, [UBX-19014286](#)
- [9] NEO-M9V Integration manual, [UBX-21029776](#)
- [10] NEO-D9C Integration manual, [UBX-21031631](#)
- [11] NEO-D9S Integration manual, [UBX-19026111](#)
- [12] NEO-F10T Integration manual, [UBX-22018271](#)
- [13] NEO-F10N Data sheet, [UBX-23002117](#)