

## Product change note

Topic **ZOE-M8B and ZOE-M8G product change**

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### 1 Affected products

Product name	Ordering code	Type no. (old)	Type no. (new)
ZOE-M8B	ZOE-M8B-0	ZOE-M8B-0-10	ZOE-M8B-0-11
ZOE-M8G	ZOE-M8G-0	ZOE-M8G-0-10	ZOE-M8G-0-11

### 2 Type of change

- Hardware modification
- Firmware update
- Documentation update
- Others

### 3 Description of change

The TCXO of ZOE-M8B and ZOE-M8G SIP modules has been changed to ensure continuous supply. The selected TCXO has been qualified and used in the ZOE-M8Q-0-10 SIP module.

The software backup current of the ZOE-M8B-0-11 (new) and the ZOE-M8G-0-11 (new) increases to 1.1 mA (from 20  $\mu$ A in the ZOE-M8B-0-10 and ZOE-M8G-0-10 modules). This change impacts ZOE-M8B and ZOE-M8G in the following ways:

- ZOE-M8G: the affected use cases include the software backup mode initiated with the UBX-RXM-PMREQ message and the Off-state of the Power Save Mode On/Off (PSMOO), as configured with the UBX-CFG-PMS and UBX-CFG-PM2 messages. Refer to the u-blox 8/M8 receiver description and protocol specification [1] for more details.
- ZOE-M8B (Super-E): Power Save Mode On/Off (PSMOO) is not supported in ZOE-M8B, so TCXO is on all the time in Super-E mode, which means that only software backup mode is affected.

There is no impact on hardware backup current, and there are no other changes in product specifications, overall performance, or characteristics.

The product type number and marking on the ZOE-M8B and ZOE-M8G SIP modules will change accordingly as indicated in section 1. Product ordering codes remain the same.

## 4 Schedule

Product type number (new)	PT Sample availability	Estimated first shipment date <sup>1</sup>
ZOE-M8B-0-11	06 August, 2021	05 November, 2021
ZOE-M8G-0-11	06 August, 2021	05 November, 2021

## 5 Customer impact and recommended action

u-blox recommends that customers refer to the updated ZOE-M8 data sheet [2] / ZOE-M8B data sheet [3] for the software backup current changes and assess the possible impact in their application.

Customers may request prototype samples (20 pieces per customer) to evaluate the new ZOE-M8B-0-11 and the ZOE-M8G-0-11 SIP modules.

u-blox encourages all customers to migrate to the new parts as they become available. Old product versions will not be available after their inventory has been depleted and will be set as obsolete accordingly.

We thank you for your understanding and assure you our very best support.

## 6 Reference documents

- [1] u-blox 8/M8 receiver description and protocol specification, [UBX-13003221](#)
- [2] ZOE-M8 data sheet, [UBX-16008094](#)
- [3] ZOE-M8B data sheet, [UBX-17035164](#)

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