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## Error in the markings of some VL53L7 modules

### Introduction

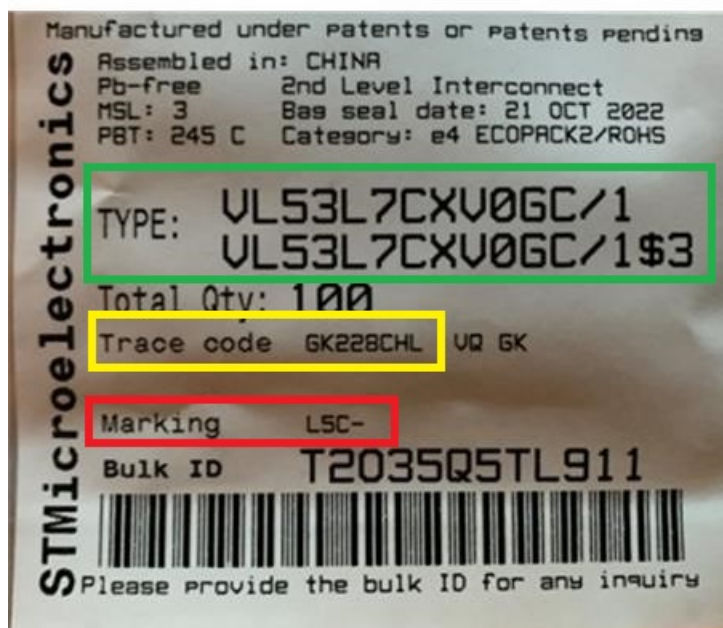
This technical note describes an error in the markings of some lots of the VL53L7 modules. STMicroelectronics ensures that the modules impacted are VL53L7 modules, even though the substrate marking is L5C-. Note, that this error has no impact on the performance of VL53L7 products.

## 1 Trace codes impacted

The lot number is identified in the delivery sticker by:

- A trace code (see the yellow rectangle in Figure 1. Example of a delivery sticker for VL53L7CX lot)
- An erroneous marking (see the red rectangle in Figure 1. Example of a delivery sticker for VL53L7CX lot)

Figure 1. Example of a delivery sticker for VL53L7CX lot



### Impacted trace codes

The following trace codes are impacted by the issue:

- GK228B9S0Q
- GK228B9S0S
- GK228B9SQ7
- GK228B9SQ9
- GK228B9SQB
- GK228CHL01
- GK228CHLRN

## 2 Description

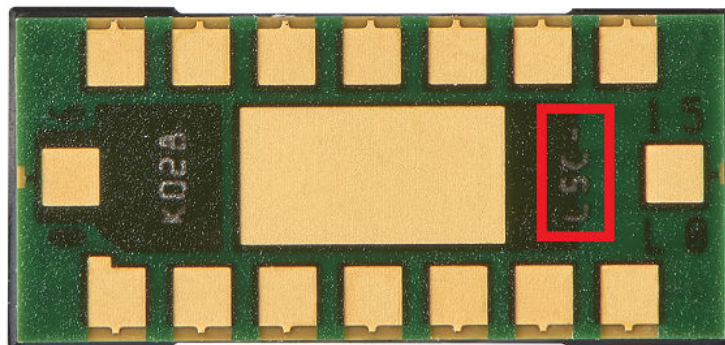
The impacted VL53L7 modules are identified on the top of the module with the marking “L7”, as shown in Figure 2. Top side of the VL53L7 module. This marking is below the QR code.

**Figure 2. Top side of the VL53L7 module**



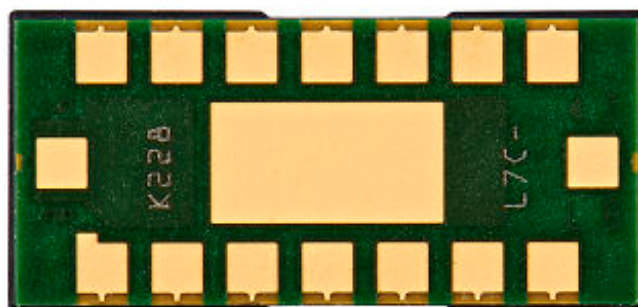
The impacted VL53L7 modules also have a substrate marking “L5C-” (instead of “L7C-”) on their bottom side (see Figure 3. Bottom side of the VL53L7 module, with incorrect marking).

**Figure 3. Bottom side of the VL53L7 module, with incorrect marking**



All other lots have a substrate marking that respects the product code (see “L7C-” in Figure 4. Bottom side of the VL53L7 module, with correct marking).

**Figure 4. Bottom side of the VL53L7 module, with correct marking**



## Revision history

**Table 1. Document revision history**

Date	Version	Changes
03-Mar-2023	1	Initial release
20-Mar-2023	2	Removed Confidential watermark.

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