

Information Letter Number: 224901

Date: 09.12.2022

Title: SCD41, SCD4x Product Family Upgrade

Product Identification:
SCD41

Reason for Change:

Design

Production

Logistics

Manufacturing Location

Quality/Reliability

Upgrade

Change Description:

This Infoletter covers a set of changes to the SCD41, part of the SCD4x product family.

Increased peak reflow soldering temperature

The peak reflow soldering temperature for the SCD4x is increased from 235°C to 245°C for closer alignment with reflow soldering standards (IPC/JEDEC J-STD-020). The increased peak reflow soldering temperature will have no impact on sensor function and any previously established reflow profiles can be maintained.

Second source for the microphone

A 2nd source for the microphone (a sub-component of the SCD4x products) has been established to increase the resilience of the supply chain. The 2nd source has been qualified to meet equivalent performance as the 1st source. Both sources may be used interchangeably on any of the SCD4x product family members.

Device marking

A laser marking on the side of the cap will be introduced containing the product type (e.g. SCD40) and serial number within a QR code. The laser marking will have no impact on dimensions or function of the cap.

SCD41 specification revision

The accuracy specification of the SCD41 will be upgraded as follows:

Concentration range:	400 -1000 ppm	1001 – 2000 ppm	2001 – 5000 ppm
SCD41 today	±(40 ppm + 5% of reading)		
SCD42 today	±75 ppm	±(40 ppm + 5% of rdg.)	Not specified
SCD41 New version	±(50 ppm + 2.5% of rdg.)	±(50 ppm + 3% of rdg.)	±(40 ppm + 5% of rdg.)

Samples of the upgraded SCD41 will be available from February 2023 and first shipment from 22.05.2023.

Identification Method to Distinguish Change: new laser marking on cap

Samples:

available

will be available February 2023

not applicable

Quantifiable Impact on Quality & Reliability: No impact on form, fit, function or reliability

Estimated Implementation Date*: 22.05.2023

* The Estimated Implementation Date is the forecasted date that a customer may expect to receive changed product. This may be affected by fluctuations in supply and demand.

Sensirion Contact: Your established sales contacts

If you have questions with regard to this Information Letter, please send them to the Sensirion contact e-mail address listed above.

For reference, below is the list of parts that were effected by the PCN and EOL notification originally announced on 2/21/23

PCN	Order number	Manufacturer part number
Product family upgrade, shipments starting 5/22/23	3.000.498	SCD41-D-R2
Product family upgrade, shipments starting 5/22/23	3.000.497	SCD41-D-R1
Product family upgrade, shipments starting 5/22/23	3.000.455	SEK-SCD41-Sensor
Product family upgrade, shipments starting 5/22/23	3.000.496	SCD40-D-R1
Product family upgrade, shipments starting 5/22/23	3.000.521	SCD40-D-R2