


# PRODUCT / PROCESS CHANGE NOTIFICATION

## 1. PCN basic data

|                      |                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------|
| 1.1 Company          |  STMicroelectronics International N.V |
| 1.2 PCN No.          | ANALOG MEMS SENSORS/25/15236                                                                                           |
| 1.3 Title of PCN     | VIPER31 (MY1L14 & MY4D14): Datasheet modification and ICH2 limit change.                                               |
| 1.4 Product Category | Pls refer to the Products List                                                                                         |
| 1.5 Issue date       | 2025-03-03                                                                                                             |

## 2. PCN Team

|                           |                     |
|---------------------------|---------------------|
| 2.1 Contact supplier      |                     |
| 2.1.1 Name                | PIKE EMMA           |
| 2.1.2 Phone               | +44 1628896111      |
| 2.1.3 Email               | emma.pike@st.com    |
| 2.2 Change responsibility |                     |
| 2.2.1 Product Manager     | Domenico ARRIGO     |
| 2.1.2 Marketing Manager   | Gabriele GHERDOVICH |
| 2.1.3 Quality Manager     | Alessandro PLATINI  |

## 3. Change

|                          |                                                                                                                   |                                          |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 3.1 Category             | 3.2 Type of change                                                                                                | 3.3 Manufacturing Location               |
| General Product & Design | Modification of datasheet :parameters/electrical specification (min./max./typ. values) and/or AC/DC specification | 0152- CATANIA   0899 AMK EWS   997G UTAC |

## 4. Description of change

|                                                                                       |                                                                         |                                              |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------|
|                                                                                       | Old                                                                     | New                                          |
| 4.1 Description                                                                       | DS13285 - Rev 5<br>CH2 datasheet limits<br>USL = -7.6mA - LSL = -10.0mA | LSL = 7.4mA - USL = 10.5mA (DS13285 - Rev 6) |
| 4.2 Anticipated Impact on form,fit, function, quality, reliability or processability? | No Impact                                                               |                                              |

## 5. Reason / motivation for change

|                      |                          |
|----------------------|--------------------------|
| 5.1 Motivation       | To Accomplish CPK > 1.33 |
| 5.2 Customer Benefit | YIELD IMPROVEMENT        |

## 6. Marking of parts / traceability of change

|                 |                |
|-----------------|----------------|
| 6.1 Description | New DS version |
|-----------------|----------------|

## 7. Timing / schedule

|                                     |              |
|-------------------------------------|--------------|
| 7.1 Date of qualification results   | 2025-02-26   |
| 7.2 Intended start of delivery      | 2025-05-30   |
| 7.3 Qualification sample available? | Upon Request |

## 8. Qualification / Validation

|                                                    |             |            |  |
|----------------------------------------------------|-------------|------------|--|
| 8.1 Description                                    |             |            |  |
| 8.2 Qualification report and qualification results | In progress | Issue Date |  |

## 9. Attachments (additional documentations)

15236 Public product.pdf

| 10. Affected parts      |                         |                          |
|-------------------------|-------------------------|--------------------------|
| 10. 1 Current           |                         | 10.2 New (if applicable) |
| 10.1.1 Customer Part No | 10.1.2 Supplier Part No | 10.1.2 Supplier Part No  |
|                         | VIPER317HDTR            |                          |
|                         | VIPER317LDTR            |                          |
|                         | VIPER318HDTR            |                          |
|                         | VIPER318LDTR            |                          |
|                         | VIPER318XDTR            |                          |
|                         | VIPER319HDTR            |                          |
|                         | VIPER319LDTR            |                          |
|                         | VIPER319XDTR            |                          |

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