


## 1. Product Change Notification [PCN] basic data

|  |   |   |  |  |  |
|--|---|---|--|--|--|
| 1.1 Company                                    |  | Site submitting the change:   | Melexis Ieper, Melexis Erfurt, Melexis Sofia |  |  |
|  |   | Affected site(s):   | Melexis Supplier                             |  |  |
| 1.2 PCN No.                                    |   | MCM-16616   |  |  |  |
| 1.3 Title of PCN                               |   | Anti-bleeding-agent (ABA) change within existing die attach Henkel 8290 |  |  |  |
| 1.4 Product Category                           |   | Active Components - Integrated Circuits                                 |  |  |  |
| 1.5 Issue date                                 |   | 13-Jul-2023   |  |  |  |
| 1.6 Note in case of Pre-Initial PCN (optional) |   |   |  |  |  |
| 1.7 PCN revision history (optional)            |   | 1.8 Issue date of previous revision (optional)                          | 1.9 Delta to previous revision (optional)    |  |  |
|  |   |   |  |  |  |
|  |   |   |  |  |  |
|  |   |   |  |  |  |

## 2. PCN Team

## 2.1 Contact supplier

|             |                       |
|-------------|-----------------------|
| 2.1.1 Name  | Lisa Vanheerswynghele |
| 2.1.2 Phone | +32 57 22 62 07       |
| 2.1.3 Email | pcn_mlx@melexis.com   |

|                              |                        |                        |
|------------------------------|------------------------|------------------------|
| 2.2 Team supplier (optional) |                        |                        |
| 2.2.1 Name (optional)        | 2.2.2 Phone (optional) | 2.2.3 Email (optional) |
|                              |                        |                        |
|                              |                        |                        |
|                              |                        |                        |

| 3. Changes |           |                    |                     |
|------------|-----------|--------------------|---------------------|
| No.        | 3.0 Ident | 3.1 Category       | 3.2 Type of change  |
| #1         | SEM-PA-07 | PROCESS - ASSEMBLY | Die attach material |
| #2         |           |                    |                     |
| #3         |           |                    |                     |
| #4         |           |                    |                     |
| #5         |           |                    |                     |

| 4. Description of change |   |  |
|--------------------------|---|--|
|                          | Old   | New  |
| Change #1                | Die attach material Henkel 8290:<br>8290 uses an anti-bleed-agent <b>(ABA-2)</b> from Henkel supplier A | Die attach material Henkel 8290A:<br>8290A uses an anti-bleed-agent <b>(ABA-3)</b><br>from Henkel supplier C |
| Change #2                |   |  |
| Change #3                |   |  |

|   |  |  |
|---|--|--|
| Change #4   |  |  |
| Change #5   |  |  |
| 4.1 Anticipated impact on form, fit, function, reliability or | No impact on fit, form or function.          |  |
| 4.2 Anticipated impact on order code                          | No impact, current order codes remain valid. |  |

| 5. Reason / motivation for change     |  |  |
|---------------------------------------|--|--|
| 5.1 Motivation                        | Improve robustness against delamination. |  |
| 5.2 Additional explanation (optional) |  |  |

| 6. Marking of parts / traceability of change |   |  |
|--|---|--|
| 6.1 Description                              | No change in the marking of the parts.<br>Traceability ensured by lot number and datecode through the Melexis ERP system. |  |

| 7. Timing / schedule                 |                |  |
|--------------------------------------|----------------|--|
| 7.1 Date of qualification results    | Available      |  |
| 7.4 Intended start of delivery       | January 2024   | Please contact your Customer Relations responsible for detailed information. |
| 7.5 Qualification samples available? | Not applicable |  |

|                                      |  |   |
|--------------------------------------|--|---|
|                                      | Samples can be requested through pcn_mlx@melexis.com |   |
| 7.6 Customer feedback required until | 27-Jul-2023  | Please provide your initial feedback through the 'Customer Feedback' sheet as acknowledgement |

## 8. Qualification / validation

|  |                            |            |  |
|--|----------------------------|------------|--|
| 8.1 Description (e.g. qualification or validation) | Generic PQR report         |            |  |
| 8.2 Qualification report and qualification result  | Available (see attachment) | issue date |  |

## 9. Input to customer for risk assessment process

No risk identified, enhanced die attach composition will be qualified in compliance with AEC - Q100.

## 10. Attachments (e.g. new datasheet, additional documentation, pictures, process flow, sample plan, ...)

PCN-Delta-Qualification-Matrix-ZVEI-PCN MCM-16616.xlsm  
PQR\_Generic\_SOIC8\_Anti\_Bleeding\_Agent\_Change.pdf

## 11. Affected parts

| 11.1 Current             |                           |                                     |                     |                                    |   | 11.2 New (if applicable)  |                     |
|--------------------------|---------------------------|-------------------------------------|---------------------|------------------------------------|---|---------------------------|---------------------|
| 11.1.1 Customer Part No. | 11.1.2 Supplier Part Name | 11.1.3 Supplier Part No. (optional) | 11.1.4 Package Name | 11.1.5 Part Description (optional) | 11.1.6 Additional Part Information (optional) | 11.2.2 Supplier Part Name | 11.2.4 Package Name |
|                          |                           |                                     |                     |                                    |   |                           |                     |

|    |                            |  |          |  |  |  |  |
|----|----------------------------|--|----------|--|--|--|--|
| NA | MLX81108KDC-<br>CAE-000-RE |  | SOIC8 GR |  |  |  |  |
| NA | MLX81112KDC-<br>AAD-000-RE |  | SOIC8 GR |  |  |  |  |