

Issue Date: 7 February 2019

|  |                                 | 1   |     |                                   |  |                                     |         |   |  |
|--|---------------------------------|---|-----|-----------------------------------|--|-------------------------------------|---------|---|--|
| Title of Change:   |                                 | Singulated Clip to Reeled Clip Conversion for PQFN66 (DrMOS).   |     |                                   |  |                                     |         |   |  |
| Proposed first ship date:  |                                 | 27 May 2019   |     |                                   |  |                                     |         |   |  |
| Contact information:   |                                 | Contact your local ON Semiconductor Sales Office or < <u>Sheila.Oyao@onsemi.com</u> >or < <u>Edgar.Ares@onsemi.com</u> >  |     |                                   |  |                                     |         |   |  |
| Samples:   |                                 | Contact your local ON Semiconductor Sales Office or < <u>PCN.samples@onsemi.com</u> ><br>Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final<br>PCN, for this change.   |     |                                   |  |                                     |         |   |  |
| Additional Relia   | ability Data:                   | Contact your local ON Semiconductor Sales Office or < <u>KarenMae.Taping@onsemi.com</u> >   |     |                                   |  |                                     |         |   |  |
| Type of notifica   | ition:                          | This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.<br>ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact < <u>PCN.Support@onsemi.com&gt;</u> |     |                                   |  |                                     |         |   |  |
| Change Part Ide  | entification:                   | Date Code   |     |                                   |  |                                     |         |   |  |
| Change Category:   |                                 | ☐ Wafer Fab Change  |     |                                   |  |                                     |         |   |  |
| Change Sub-Ca<br>Manufact  | uring Site Ad<br>uring Site Tra | nsfer Product specific change   |     |                                   | <ul> <li>Datasheet/Product Doc change</li> <li>Shipping/Packaging/Marking</li> <li>Other:</li> </ul> |                                     |         |   |  |
| Sites Affected:  |                                 | ON Semiconductor Sites:<br>ON Semiconductor Cebu, Philippines   |     |                                   | External Foundry/Subcon Sites:<br>None   |                                     |         |   |  |
| Description and Purpose:   |                                 |   |     |                                   |  |                                     |         |   |  |
|  |                                 | Before Change Desci   |     | hange Description                 | A  | After Change Description            |         |   |  |
| Other C  |                                 | hanges  |     | ngulated Clip<br>gle Clip Attach  |  | Reeled clip<br>Multiple Clip Attach |         |   |  |
| There is no product marking change as a result of this change.                                   |                                 |   |     |                                   |  |                                     |         |   |  |
| Reliability Data   | Summary:                        |   |     |                                   |  |                                     |         |   |  |
| QV DEVICE NAME:         FDMF6823           RMS:         F49261           PACKAGE:         PQFN66 |                                 |   |     |                                   |  |                                     |         |   |  |
|  | Test                            | Specificati   | on  | Condition                         |  | Interval                            | Results |   |  |
|  | HTSL                            | JESD22-A1   | 03  | Ta= 150°C                         |  | 1008 hrs                            | 0/231   |   |  |
|  | TC JESD22-A                     |   | 04  | Ta= -65°C to +150°C               |  | 500 сус                             | 0/231   |   |  |
|  | uHAST JESD22-A1                 |   |     | 130°C, 85% RH, 18.8psig, unbiased |  | 96 hrs                              | 0/231   | - |  |
|  | PC J-STD-020 JESD<br>A113       |   | SD- | MSL 1 @ 260°C                     |  |                                     |         |   |  |
|  |                                 |   |     |                                   |  |                                     |         |   |  |



## Electrical Characteristic Summary:

Electrical characteristics are not impacted.

## List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the PCN Customized Portal.

| Part Number  | Qualification Vehicle |  |  |
|--------------|-----------------------|--|--|
| FDMF6820A    |                       |  |  |
| FDMF6821A    |                       |  |  |
| FDMF6823     | <b>F</b> =1,1=0.00    |  |  |
| FDMF6823A    | FDMF6823              |  |  |
| FDMF6824A    |                       |  |  |
| ZSPM9060ZA1R |                       |  |  |



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| Product   | Customer Part Number | Qualification Vehicle |
|-----------|----------------------|-----------------------|
| FDMF6820A |                      | FDMF6823              |
| FDMF6821A |                      | FDMF6823              |
| FDMF6823A |                      | FDMF6823              |
| FDMF6824A |                      | FDMF6823              |