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| <b>Title of Change:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Notice of withdrawal UL94 certification for Panasonic Co Ltd (a supplier to onsemi) and suspension of ISO9001 and IATF16949 certificate of Panasonic South Yokkaichi plants. |  |
| <b>Effective date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12 Jun 2024                                                                                                                                                                  |  |
| <b>Contact information:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Contact your local onsemi Sales Office or <a href="mailto:BengHooi.Swa@onsemi.com">BengHooi.Swa@onsemi.com</a>                                                               |  |
| <b>Type of notification:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | This Product Bulletin is for notification purposes only.<br>onsemi will proceed with implementation of this change upon publication of this Product Bulletin.                |  |
| <b>Change Category:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Other                                                                                                                                                                        |  |
| <b>Sites Affected:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                              |  |
| <b>onsemi Sites</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>External Foundry/Subcon Sites</b>                                                                                                                                         |  |
| onsemi Cebu, Philippines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | HANA Semiconductor, Thailand                                                                                                                                                 |  |
| onsemi Seremban, Malaysia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                              |  |
| onsemi Shenzhen, China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                              |  |
| onsemi Tarlac, Philippines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                              |  |
| onsemi Vietnam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                              |  |
| <b>Description and Purpose:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                              |  |
| <p>On May 10, 2024, onsemi learned that the UL94 certificate for our mold compound suppliers, Panasonic Industry Co Ltd, manufactured at Yokkaichi factory; Panasonic Industry (Japan) Co Ltd; Panasonic Industrial Devices Materials (Shanghai) Co Ltd; and Panasonic Manufacturing Ayuthaya (Thailand) Co Ltd was to be withdrawn on May 30, 2024.</p> <p>In relation to this, on May 20, 2024, onsemi learned that the IATF16949 and ISO9001 certification of Panasonic South Yokkaichi Plant has been suspended. The IATF16949 and ISO9001 certificates for the Panasonic Thailand &amp; Shanghai sites were not impacted.</p> <p>The impacted part numbers are listed in the table below.</p> <p>onsemi is performing the requisite due diligence to ensure that the quality of onsemi products, which use the impacted material, is not compromised. As part of our due diligence, we have taken the following measures to determine any potential impact on the quality of products delivered to our customers:</p> <ol style="list-style-type: none"><li>1) We have reviewed our internal reliability, qualification testing and monitoring data, for onsemi products manufactured with Panasonic epoxy Mold compound, along with other internal manufacturing and quality data. We have not observed any detrimental impact to the quality and reliability of our products using these materials and we do not foresee any impact on our customers.</li><li>2) We have also taken the extra step of securing UL94 flammability data from a third-party UL-certified lab for the impacted material while Panasonic’s re-certification of UL94 is underway. All results indicate that the impacted mold compound type successfully passed UL94-V0 6mm thickness test.</li><li>3) We received a letter from Panasonic demonstrating that there has been no change in the formulation of the mold compound recipe or manufacturing process related to this incident.</li><li>4) onsemi Supplier Quality engineers plan to audit the Panasonic Japan plant before end of July 2024 to verify their QMS system, and product quality records.</li><li>5) We have received corrective action and attained a re-registration plan from Panasonic. Depending on the compound type, we tentatively expect the UL94 re-certification to be completed between end Sept’24 till end Dec’24.</li><li>6) During the UL94 re-certification period, onsemi has no plan to update PPAP document for the impacted mold component.</li></ol> <p>onsemi is dedicated to operating in an ethically responsible manner and holds the same expectations across our supply chain.</p> |                                                                                                                                                                              |  |

**List of Affected Standard 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**.

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| FDC5661N-F085     | FDC642P-F085P     | FDC642P-F085PBK   |
| FDN5632N-F085     | LV8907UWR2G       | LV8961HUWR2G      |
| LV8968BBUWR2G     | NCV4254CPDAJR2G   | NCV4254CPDSTR2G   |
| NCV4264-2CST33T3G | NCV4264-2CST50T3G | NCV4266-2CST33T3G |
| NCV4266-2CST50T3G | NCV8508CPD501R2G  | NCV8664CST33T3G   |
| NCV8664CST50T3G   | NCV8768CPD50ABR2G | NJVMJK44H11TWG    |
| NRVHP420LFST1G    | NSV40301CTWG      | NSVF5488SKT3G     |
| NSVF5501SKT3G     | NSVFSB560ALT1G    | NVMFSC0D9N04C     |
| NVMFSC0D9N04CL    | NVMFSC1D6N06CL    | NVMJD010N10MCLTWG |
| NVMJD012N06CLTWG  | NVMJD015N06CLTWG  | NVMJD025N04CTWG   |
| NVMJD027N06CLTWG  | NVMJD2D7N04CLTWG  | NVMJD4D7N04CLTWG  |
| NVMJD7D4N04CLTWG  | NVMJS0D8N04CLTWG  | NVMJS0D9N04CLTWG  |
| NVMJS0D9N04CTWG   | NVMJS1D2N04CLTWG  | NVMJS1D3N04CTWG   |
| NVMJS1D4N06CLTWG  | NVMJS1D5N04CLTWG  | NVMJS1D7N04CTWG   |
| NVMJS2D5N06CLTWG  | NVMJS3D0N06CTWG   | NVMJST0D9N04CTXG  |
| NVMJST1D2N04CTXG  | NVMJST1D6N04CTXG  | NVMJST2D6N08HTXG  |
| NVMYS003N08LHTWG  | NVMYS006N08LHTWG  | NVMYS008N08LHTWG  |
| NVMYS010N04CLTWG  | NVMYS013N08LHTWG  | NVMYS014N06CLTWG  |
| NVMYS020N08LHTWG  | NVMYS021N06CLTWG  | NVMYS022N06CTWG   |
| NVMYS025N06CLTWG  | NVMYS029N08LHTWG  | NVMYS1D3N04CTWG   |
| NVMYS1D6N04CLT1G  | NVMYS1D6N04CLTWG  | NVMYS2D1N04CLTWG  |
| NVMYS2D2N06CLTWG  | NVMYS2D4N04CTWG   | NVMYS3D3N06CLTWG  |
| NVMYS3D8N04CLTWG  | NVMYS4D1N06CLTWG  | NVMYS4D6N04CLTWG  |
| NVMYS6D2N06CLTWG  | NVMYS7D3N04CLTWG  | NVMYS9D3N06CLTWG  |
| NVTYS002N03CLTWG  | NVTYS003N04CTWG   | NVTYS004N04CTWG   |
| NVTYS005N04CLTWG  | NVTYS005N04CTWG   | NVTYS005N06CLTWG  |
| NVTYS006N06CLTWG  | NVTYS007N04CLTWG  | NVTYS010N04CLTWG  |
| NVTYS010N06CLTWG  | NVTYS014N08HLTWG  | NVTYS029N08HTWG   |
| NVTYS025P04M8LTWG | NVTYS020N08HLTWG  | NVTYS014P04M8LTWG |
| NCV20232DR2G      |                   |                   |

## Appendix A: Changed Products

PCN#: PB26280Z  
Issue Date: Jun 12, 2024

| Product           | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|-------------------|----------------------|-----------------------|-----------------|----------------------|
| FDC5661N-F085     |                      | NA                    |                 |                      |
| LV8907UWR2G       |                      | NA                    |                 |                      |
| LV8961HUWR2G      |                      | NA                    |                 |                      |
| LV8968BBUWR2G     |                      | NA                    |                 |                      |
| NCV4254CPDAJR2G   |                      | NA                    |                 |                      |
| NCV4254CPDSTR2G   |                      | NA                    |                 |                      |
| NCV4264-2CST33T3G |                      | NA                    |                 |                      |
| NCV4264-2CST50T3G |                      | NA                    |                 |                      |
| NCV4266-2CST33T3G |                      | NA                    |                 |                      |
| NCV4266-2CST50T3G |                      | NA                    |                 |                      |
| NCV8508CPD501R2G  |                      | NA                    |                 |                      |
| NCV8664CST33T3G   |                      | NA                    |                 |                      |
| NCV8664CST50T3G   |                      | NA                    |                 |                      |
| NJVMJK44H11TWG    |                      | NA                    |                 |                      |
| NSV40301CTWG      |                      | NA                    |                 |                      |
| NSVF5488SKT3G     |                      | NA                    |                 |                      |
| NSVF5501SKT3G     |                      | NA                    |                 |                      |
| NVMFSC0D9N04C     |                      | NA                    |                 |                      |
| NVMFSC0D9N04CL    |                      | NA                    |                 |                      |
| NVMFSC1D6N06CL    |                      | NA                    |                 |                      |
| NVMJD012N06CLTWG  |                      | NA                    |                 |                      |
| NVMJD015N06CLTWG  |                      | NA                    |                 |                      |
| NVMJD025N04CTWG   |                      | NA                    |                 |                      |
| NVMJD027N06CLTWG  |                      | NA                    |                 |                      |
| NVMJD2D7N04CLTWG  |                      | NA                    |                 |                      |
| NVMJD4D7N04CLTWG  |                      | NA                    |                 |                      |
| NVMJD7D4N04CLTWG  |                      | NA                    |                 |                      |
| NVMJS0D8N04CLTWG  |                      | NA                    |                 |                      |
| NVMJS0D9N04CLTWG  |                      | NA                    |                 |                      |
| NVMJS0D9N04CTWG   |                      | NA                    |                 |                      |
| NVMJS1D2N04CLTWG  |                      | NA                    |                 |                      |
| NVMJS1D3N04CTWG   |                      | NA                    |                 |                      |
| NVMJS1D4N06CLTWG  |                      | NA                    |                 |                      |
| NVMJS1D7N04CTWG   |                      | NA                    |                 |                      |
| NVMJS2D5N06CLTWG  |                      | NA                    |                 |                      |
| NVMJS3D0N06CTWG   |                      | NA                    |                 |                      |
| NVMJST0D9N04CTXG  |                      | NA                    |                 |                      |
| NVMJST1D2N04CTXG  |                      | NA                    |                 |                      |
| NVMJST1D6N04CTXG  |                      | NA                    |                 |                      |
| NVMJST2D6N08HTXG  |                      | NA                    |                 |                      |
| NVMYS003N08LHTWG  |                      | NA                    |                 |                      |
| NVMYS006N08LHTWG  |                      | NA                    |                 |                      |
| NVMYS008N08LHTWG  |                      | NA                    |                 |                      |
| NVMYS010N04CLTWG  |                      | NA                    |                 |                      |
| NVMYS013N08LHTWG  |                      | NA                    |                 |                      |
| NVMYS014N06CLTWG  |                      | NA                    |                 |                      |
| NVMYS020N08LHTWG  |                      | NA                    |                 |                      |
| NVMYS021N06CLTWG  |                      | NA                    |                 |                      |
| NVMYS022N06CTWG   |                      | NA                    |                 |                      |
| NVMYS025N06CLTWG  |                      | NA                    |                 |                      |
| NVMYS029N08LHTWG  |                      | NA                    |                 |                      |
| NVMYS1D3N04CTWG   |                      | NA                    |                 |                      |
| NVMYS1D6N04CLT1G  |                      | NA                    |                 |                      |
| NVMYS1D6N04CLTWG  |                      | NA                    |                 |                      |
| NVMYS2D1N04CLTWG  |                      | NA                    |                 |                      |
| NVMYS2D2N06CLTWG  |                      | NA                    |                 |                      |
| NVMYS2D4N04CTWG   |                      | NA                    |                 |                      |
| NVMYS3D3N06CLTWG  |                      | NA                    |                 |                      |
| NVMYS4D1N06CLTWG  |                      | NA                    |                 |                      |
| NVMYS4D6N04CLTWG  |                      | NA                    |                 |                      |

Appendix A: Changed Products

PCN#: PB26280Z  
Issue Date: Jun 12, 2024

| Product           | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|-------------------|----------------------|-----------------------|-----------------|----------------------|
| NVMYS6D2N06CLTWG  |                      | NA                    |                 |                      |
| NVMYS7D3N04CLTWG  |                      | NA                    |                 |                      |
| NVTYS002N03CLTWG  |                      | NA                    |                 |                      |
| NVTYS003N04CTWG   |                      | NA                    |                 |                      |
| NVTYS004N04CTWG   |                      | NA                    |                 |                      |
| NVTYS005N04CLTWG  |                      | NA                    |                 |                      |
| NVTYS005N04CTWG   |                      | NA                    |                 |                      |
| NVTYS005N06CLTWG  |                      | NA                    |                 |                      |
| NVTYS006N06CLTWG  |                      | NA                    |                 |                      |
| NVTYS007N04CLTWG  |                      | NA                    |                 |                      |
| NVTYS010N04CLTWG  |                      | NA                    |                 |                      |
| NVTYS010N06CLTWG  |                      | NA                    |                 |                      |
| NVTYS029N08HTWG   |                      | NA                    |                 |                      |
| NVTYS025P04M8LTWG |                      | NA                    |                 |                      |
| NVTYS014P04M8LTWG |                      | NA                    |                 |                      |
| FDN5632N-F085     |                      | NA                    |                 |                      |