

**End-Of-Life Notice**  
(Notification – **PLC210007**)  
[Issue Date – **7/6/2021**]

**To:** Our Valued Customers

**Overview:** The purpose of this notification is to communicate that Renesas Electronics has begun the End-of-Life (EOL) Process on select part numbers.

**Affected Products:** Attached is a list of products affected by this notification.  
Part numbers given in the attached list are for active part numbers in the Renesas Electronics database at the time of this notification.

|                   |                                                                                   |          |
|-------------------|-----------------------------------------------------------------------------------|----------|
| <b>Key Dates:</b> | Final Last Time Buy (LTB)<br>Orders placed after this date will not be processed. | 1/6/2022 |
|                   | Last Shipment (LTS)                                                               | 7/6/2022 |

**Response:** Please place LTB orders in a timely manner prior to the key dates listed to avoid product availability issues. Shipments between the LTB and LTS dates are Non-Cancelable and Non-Returnable (NCNR).

Renesas Electronics America Inc. will attempt to honor all such purchase orders and scheduled delivery dates, but reserves the right to not accept new orders or to cancel existing orders if such orders cannot be filled through reasonable commercial effort.

Any order resulting from this notice shall be governed by Renesas's General Terms and Conditions Available at: [General Term and Conditions](#) or the applicable legal terms covering the purchase and sale transaction.

Please work with your sales representative or Field Applications Engineer to determine suitable replacement devices.

Please contact your local sales representative for any questions or comments.

Thank you for your attention.

Sincerely,  
Renesas Electronics

| Exact Renesas Part # No other variation is being impacted. | Notice Issue Date | LTB / Withdrawn Date | LTS / Obsolete Date | Replacement/Similar / Re-Design |
|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 280G-57LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 280G-57LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 290GI-34LF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 290GI-34LFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 307G-03LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 307G-03LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 307GI-03LF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 307GI-03LFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 342MPLF                                                    | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 342MPLFT                                                   | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 343M-53LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 343M-53LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 343M-62LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 343M-62LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 345R-62LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 345R-62LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 345R-65LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 345R-65LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 345RI-02LF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 345RI-02LFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 345RI-13LF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 345RI-13LFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 4DB0226KA3AVG                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | 4DB0232KC2AVG                   |
| 4DB0226KA3AVG8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | 4DB0232KC2AVG8                  |
| 512MILF                                                    | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 512MILFT                                                   | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 512MLF                                                     | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 512MLFT                                                    | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 525R-02ILF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 525R-02ILFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 558G-01LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 558G-01LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 580M-01ILF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 580M-01ILFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 580M-01LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 580M-01LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 581G-01ILF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 581G-01ILFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 581G-01LF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 581G-01LFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5P49EE502-013NDGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5P49EE502-013NDGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5P49EE502-015NDGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5P49EE502-015NDGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5P49EE502-128NDG                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5P49EE502-128NDG8                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5P49EE502-166NDGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5P49EE502-166NDGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5P49EE802NDGI                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P49V6967A000NDGI               |
| 5P49EE802NDGI8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P49V6967A000NDGI8              |
| 5V19EE403-003NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V19EE403-003NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V19EE902NLGI                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V19EE902NLGI8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V49EE501-094NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE501-094NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE501-098NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE501-098NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE501-125NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE501-125NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE503-027NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE503-027NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |

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|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 5V49EE503-046NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE503-046NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE503-055NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE503-055NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE503-068NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE503-068NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE503-099NLG                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE503-099NLG8                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE503-128NLG                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE503-128NLG8                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE702-198NDGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE901-078NLG                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE901-078NLG8                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE901-113NLG                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE901-113NLG8                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE901-124NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE901-124NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE901-128NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE901-128NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE901-158NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE901-158NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE902-024NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE902-024NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE902-061NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE902-061NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE902-211NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE902-211NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE902-252NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE902-252NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE902-254NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE902-254NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE903-003PGGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE903-003PGGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE903-111NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE903-111NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE904-074NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE904-074NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE904-164NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE904-164NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE904-168NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE904-168NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V49EE904-172NLGI                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG2                 |
| 5V49EE904-172NLGI8                                         | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35023-000NLG28                |
| 5V9885T-003PFGI                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885T-003PFGI8                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885T-006NLGI                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885T-006NLGI8                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885T-007NLGI                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885T-007NLGI8                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885T-020NLGI                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885T-020NLGI8                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885TNLGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9885TNLGI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9888T-020NLGI                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 5V9888T-020NLGI8                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116LA20TPG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116LA20TPGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116LA25TPG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116LA25TPGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116SA15TPG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116SA20TPG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116SA20TPGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |

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|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 6116SA25TPG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6116SA25TPGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 650R-27ILF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 650R-27ILFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 661GILF                                                    | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG2                 |
| 661GILFT                                                   | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P35021-000NDG28                |
| 6P40089NTGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5L1503S-000NVGI                 |
| 6P40089NTGI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5L1503S-000NVGI8                |
| 6P40367NDGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6P40367NDGI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6V49004BPAGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6V49004BPAGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6V49206NLGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6V49206NLGI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6V49239BNLGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 6V49239BNLGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7130LA100PDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7130LA35PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7130LA55PDGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7132LA100PDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7132LA35PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7132LA35PDGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7132LA55PDGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7132SA55PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7134LA20PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7134LA25PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7134LA25PDGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7140LA100PDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7140LA35PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7142LA100PDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7142LA35PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7152AMI-11LF                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7152AMI-11LFT                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7152M-01LF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P50912NBGI                     |
| 7152M-01LFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P50912NBGI8                    |
| 7152MI-01LF                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P50912NBGI                     |
| 7152MI-01LFT                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P50912NBGI8                    |
| 7201LA12PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7201LA35PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7201LA50PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7202LA12PDG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7202LA15PDGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7203L12PDG                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7204L12PDG                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7204L15PDGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7205L12PDG                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7206L15PDG                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 7207L15PDG                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 74ALVCHS162830DF                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 74ALVCHS162830DF/                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 74ALVCHS162830DF8                                          | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 82V3255EDG                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 8A34004E-000NBG                 |
| 82V3255EDG8                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 8A34004E-000NBG8                |
| 82V3255TFG                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 8A34004E-000NBG                 |
| 82V3255TFG8                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 8A34004E-000NBG8                |
| 82V3255TFG8-ECI                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | 8A34004E-000NBG8                |
| 82V3255TFG-ECI                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | 8A34004E-000NBG                 |
| 82V3380AEQG                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | 82P33810ABAG                    |
| 82V3380AEQG8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | 82P33810ABAG8                   |
| 853S310CVILF                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 853S310CVILFT                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 872S06AYLF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |

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|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 872S06AYLFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 872S33CYLF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 872S33CYLFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 8T79S838-08NLGI                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9173B-01CS08LF                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P49V6967A000NDGI               |
| 9173B-01CS08LFT                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P49V6967A000NDGI8              |
| 9173B-15CS08LF                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P49V6967A000NDGI               |
| 9173B-15CS08LFT                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P49V6967A000NDGI8              |
| 952926CGLF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 952926CGLFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 954201BGLF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 954201BGLFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 95V857AGLFT/B                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 97ULP845AHILF                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 97ULP845AHILFT                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 97ULP845AHLF                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 97ULP845AHLFT                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9LVRS720BKLF                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9LVRS720BKLFT                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9UM709BGLF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9UM709BGLFT                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9UMS9610CKLF                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9UMS9610CKLFT                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9VRS4883BKLF                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| 9VRS4883BKLFT                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| CSPF2510CPGG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| CSPF2510CPGG8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXC42200-BFI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXC42200-EVB                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXC42400-BFI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXC42400-EVB                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXC44200-BFI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXR14450-DNU/C                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXR14450-DNU                    |
| HXR42100-DNT                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXR8201-DNG                     |
| HXR5004B-DNT                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXR5104A-DNT                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXR5104A-EVB                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXR8204-QUAL                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXR8204-DNG                     |
| HXR8212-QUAL                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXR8212-DNG                     |
| HXT14100-TNU                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT14100-DNU                    |
| HXT14450-DNU/C                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT14450-DNU                    |
| HXT42400-DNU                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT8204-DNG                     |
| HXT44100-DNU/C                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT44120-DNG                    |
| HXT44101-CLU-TR                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXT44400-DNU/C                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT44420-DNG                    |
| HXT5104A-EVB                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| HXT6104-DNT/D                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT6104-DNT                     |
| HXT8204-QUAL                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT8204-DNG                     |
| HXT8212-QUAL                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | HXT8212-DNG                     |
| LV810RILF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| LV810RILFT                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| MK2703BSLF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P50912NBGI                     |
| MK2703BSLFTR                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | 5P50912NBGI8                    |
| MK2703SILF                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| MK2703SILFTR                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| MK2716SLF                                                  | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| MK2716SLFTR                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| MK74CB218RLF                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| MK74CB218RLFTR                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-001NDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-001NDG8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-001NDGI                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |

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| P8800-001NDGI8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-002NDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-002NDG8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-003NDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-003NDG8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-004NDG                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-004NDG8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-A01NDGI                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P8800-A01NDGI8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P9025AC-0AWGI                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P9025AC-0AWGI8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| P9025AC-0NBGI                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9025AC-RNBGI                   |
| P9025AC-0NBGI8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9025AC-RNBGI8                  |
| P9025AC-EVK                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9025AC-R-EVK                   |
| P9221S-0AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-0AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-2AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-2AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-3AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-3AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-4AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-4AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-5AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-5AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-JAHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9221S-JAHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9221-0AHGI8                    |
| P9222-1AZGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9222-0AZGI8                    |
| P9222-1AZGI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9222-0AZGI8                    |
| P9222-2AZGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9222-0AZGI8                    |
| P9222-2AZGI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9222-0AZGI8                    |
| P9222-3AZGI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9222-0AZGI8                    |
| P9222-3AZGI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9222-0AZGI8                    |
| P9260-0NLG2                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9260-BNLG2                     |
| P9260-0NLG28                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9260-BNLG28                    |
| P9261-0NLG2                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9261-3CNLG2                    |
| P9261-0NLG28                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9261-3CNLG28                   |
| P9261-2C-EVK                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9261-3C-CRB                    |
| P9261-2CNLG2                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9261-3CNLG2                    |
| P9261-2CNLG28                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9261-3CNLG28                   |
| P9261-BNLG2                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9261-3CNLG2                    |
| P9261-BNLG28                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9261-3CNLG28                   |
| P9382A-2AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-2AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-3AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-3AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-4AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-4AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-7AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-7AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-8AHGI                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9382A-8AHGI8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9382A-0AHGI8                   |
| P9415-2AWQI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9415-0AWQI8                    |
| P9415-2AWQI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9415-0AWQI8                    |
| P9415-4AWQI                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9415-0AWQI8                    |
| P9415-4AWQI8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | P9415-0AWQI8                    |
| QS32X2384Q1G                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS32X2384Q1G8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS32X384Q1G                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS32X384Q1G5                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS32X384Q1G8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS32X861Q1G                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS32X861Q1G8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |

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|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| QS32XVH384Q1G                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS32XVH384Q1G8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS33X257Q1G                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS33X257Q1G8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34X2245Q3G                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34X2245Q3G8                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34X245Q3G                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34X245Q3G8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34X383Q3G                                                | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34X383Q3G8                                               | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34XVH2245Q3G                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34XVH2245Q3G8                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34XVH245Q3G                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| QS34XVH245Q3G8                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTUA32864BHLF_                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTUA32864BHLFT_                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTVA16859CGLF                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTVA16859CGLFT                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTVA16859CKLF                                             | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTVA16859CKLF/W                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTVA16859CKLFT                                            | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| SSTVF16859BKLF/W                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| ZWIR4512AC1RA                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| ZWIR4512AC1RC001                                           | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| ZWIR4512AC1WI                                              | 7/6/2021          | 1/6/2022             | 7/6/2022            | None                            |
| ZWIR4532-U                                                 | 7/6/2021          | 1/6/2022             | 7/6/2022            | ZWIR4512                        |