

**End-Of-Life Notice**  
(Notification – **PLC240001**)  
[Issue Date – **4/25/2024**]

**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.

**Key Dates:**

|                                                                                   |            |
|-----------------------------------------------------------------------------------|------------|
| Final Last Time Buy (LTB)<br>Orders placed after this date will not be processed. | 10/25/2024 |
| Last Shipment (LTS)                                                               | 4/25/2025  |

**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 | Notice Issue Date | LTB / Withdrawn Date | LTS / Obsolete Date | Replacement/Similar / Re-Design |
|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 5962-8976401MXA                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 6116SA35YG8                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | 6116LA20SOG8                    |
| 7200L12TPG                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | 7200L12SOG                      |
| 7201LA15TPGI                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | 7201LA15SOGI                    |
| 7203L15TPGI                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | 7203L15JGI                      |
| 7205L15TPGI                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | 7205L15JGI                      |
| 72125L25SOG                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 74FCT16500ATPV8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89BPES24N3                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H22NT16G2ZBHLGI8                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H24NT6AG2ZAHLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H24NT6AG2ZAHLG8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H24NT6AG2ZAHLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H24NT6AG2ZAHLGI8                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZABLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZABLGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZBBLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZBBLGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZDBLG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZDBLG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZDBLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32H8G2ZDBLGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32NT8BG2ZCHLGI5                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBL                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBL8                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBLG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBLG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBLGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBLI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H32T8G2ZDBLI8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H48H12AG2BL                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H48H12AG2BLG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H48H12AG2BLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H48H12AG2BLI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H48H12BG2ZCBLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H48H12BG2ZCBLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16AG2BL                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16AG2BLG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16AG2BLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16AG2BLI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16AG2ZDBLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16AG2ZDBLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16G2ZDBLG                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89H64H16G2ZDBLGI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HI0524G2PSZBAL                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HI0524G2PSZBAL8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HI0524G2PSZBALG                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HI0524G2PSZBALG8                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HMO312G2PSZBBCG                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HMO312G2PSZBBCG8                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PBZBNRG                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PBZBNRG8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PBZBNRGI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PBZBNRGI8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBABG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBABG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBABGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBABGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBNRG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBNRG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBNRGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0504PZBNRGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0508PZBABG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0508PZBABG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0508PZBABGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0508PZBABGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604QBZBNRG                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604QBZBNRG8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |

| Exact Renesas Part # No other variation is being impacted. | Notice Issue Date | LTB / Withdrawn Date | LTS / Obsolete Date | Replacement/Similar / Re-Design |
|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 89HP0604QBZBNRGI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604QBZBNRGI8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604QZBNRG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604QZBNRG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604QZBNRGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604QZBNRGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SBZBNRG                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SBZBNRG8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SBZBNRGI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SBZBNRGI8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBABG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBABG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBABGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBABGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBNRG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBNRG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBNRGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604SZBNRGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAAB                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAAB8                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAABG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAABG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAABGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAABGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAABI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0604XZAABI8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608RZBABG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608RZBABG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608RZBABGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608RZBABGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608SZBABG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608SZBABG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608SZBABGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HP0608SZBABGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES12T3G2ZABCGI                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BC                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BC8                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BCG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BCG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BCGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BCGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BCI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16NT2BCI8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T16ZABLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T16ZABR                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4AG2AL                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4AG2AL8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4AG2ALG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4AG2ALG8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4AG2ALI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4AG2ALI8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4ZHBC8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES16T4ZHBCG8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22H16ZABLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22H16ZABLG8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22H16ZABLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22H16ZABLGI8                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22T16ZABLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22T16ZABLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22T16ZABR                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES22T16ZABRI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BX                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BX8                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BXG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BXG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BXGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BXGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BXI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24NT3BXI8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |

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|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 89HPES24T3G2ZFALGI                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24T6G2ZFALG                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES24T6G2ZFALGI                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES34T16ZABLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES34T16ZABLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES34T16ZABR                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES34T16ZABRI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES48H12BR                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES48H12BRI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES48T12BR                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES48T12BRI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES48T12ZABLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES48T12ZABLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES4T4BC                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES64H16BR                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES64H16BRI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES8NT2BC                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES8NT2BC8                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES8NT2BCG                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES8NT2BCG8                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES8NT2BCGI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES8NT2BCI8                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HPES8NT2BCI8                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HRM24NT24G2ZBHLG                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HRM24NT24G2ZCHLG                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0816APZCBLG                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0816APZCBLG8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0816APZCBLGI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0816APZCBLGI8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PGHLG                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PGHLGI                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PGZCHLG                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PGZCHLG8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PGZCHLGI                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PGZCHLGI8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCBLG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCBLG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCBLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCBLGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCHLG                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCHLG8                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCHLGI                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HT0832PZCHLGI8                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HVS3224G2ZCHLG                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HVS3224G2ZCHLG8                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HVS3224G2ZCHLGI                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89HVS3224G2ZCHLGI8                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0504P-BGA                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0504PB-QFN                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0504PBQFN2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0504P-QFN                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0504P-QFN2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0504U                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0504UB                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0508P                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0602Q-SATA                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0602Q-USB                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0604S                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTP0604SB                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPEB383-QFN                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPEB383-QFP                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES12N3                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES12N3A                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES12NT12G2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES12NT3                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES12T3G2                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES16H16                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES16NT16G2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |

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|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| 89KTPES16NT2                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES16T4                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES16T4AG2                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES16T4G2                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES16T7                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES22H16                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES22H16G2                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24N3                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24N3A                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24NT24G2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24NT3                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24NT6AG2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24T3G2                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24T6                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES24T6G2                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32H8                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32H8G2                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32H8G3                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32NT24AG2                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32NT8AG2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32NT8BG2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32T8                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES32T8G2                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES34H16G2                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES3T3                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES3T3QFN                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES48H12                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES48H12AG2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES48H12BG2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES48H12G2                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES48H12G3                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES48T12                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES48T12G2                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES4T4                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES4T4G2                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES4T4QFN                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES5T5                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES64H16                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES64H16AG2                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES64H16G2                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES64H16G3                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES6T5                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES6T6G2                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES8NT2                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES8T5                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTPES8T5A                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTT0808P                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTT0816AP                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTT0816P                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| 89KTT0832P                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| FS1015-1005                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | FS3000-1005                     |
| FS1015-1015                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | FS3000-1015                     |
| FS1020                                                     | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| FS1020-C01                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| FS1025-2001-DL                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| NPI_MERCED                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| P-SIP                                                      | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| P-SSP                                                      | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| SSCTESTBDQFN24V1P0                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| SSCTESTBDV1P0                                              | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| SSD-EVB                                                    | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| SSD-SMPL                                                   | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI301-400CE                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI310A-RDK1 V1.0                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI340-RDK1                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI350A-RDK1 V1.0                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI350-RDK1                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI352-RDK1                                                | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI381-RDK1 V2.0                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |

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|------------------------------------------------------------|-------------------|----------------------|---------------------|---------------------------------|
| TSI381-RDK1 V2.1                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI381-RDK2 V1.0                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI382QFP-RDK2V1.0                                         | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI382-RDK1 V2.0                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| TSI384-RDK1 V3.0                                           | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| U2780-TA1374E G1T                                          | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| XH018-XS6005B1                                             | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| XH018-XS6005B1B                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZMDIMCSPOWSWBVDV1P0                                        | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZMED023EE                                                  | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZMED023EEV                                                 | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3016CC1B                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3016CC1C                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3016CC6B                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3016DI6B                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3016KITV1P1                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3018BA2D                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3027AC1B                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3027AC6B                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3027AC7B                                               | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3027AI1B ES                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |
| ZSSC3027AI1D ES                                            | 4/25/2024         | 10/25/2024           | 4/25/2025           | None                            |