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# Product Change Notification



Product Group: DD/Mon Dec 18, 2023/PCN-DD-026-2023-REV-1

## Molding Compound Change for selected D2PAK (TO-263AB) Pb-free Part Numbers

For further information, please contact your regional Vishay office.

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**Description of Change:** Due to End-of-Life notification of molding compound supplier, Vishay Diodes Division is converting the mold compound used for some of the existing Pb-free part numbers in D2PAK (TO-263AB) package to Halogen Free compound that is already used in D2PAK (TO-263AB) & D2PAK 2L (TO-263AB 2L) production. Please refer to annex 1 for detail of concerned part numbers and LTB/LTS information.

There is no change in form, fit and function on all involved part numbers.

Upon the approval of this PCN, all future and customized part number for related product in the same package will adopt the same change.

**Reason for Change:** Discontinued supply of existing molding compound

**Expected Influence on Quality/Reliability/Performance:** No change in quality and reliability performance

**Part Numbers/Series/Families Affected:** Please see materials list on the succeeding page.

**Vishay Brand(S):** Vishay General Semiconductor

#### Time Schedule:

Start Shipment Date: Tue Feb 20, 2024

**Sample Availability:** Available upon request

**Product Identification:** Using the corresponding new Halogen Free part numbers as the substitution of original Pb-free part numbers, and the halogen free code "M" will be added in front of date code marking (Mxxxx) for identification of new Halogen Free part number.

**Qualification Data:** Available upon request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sun Feb 18, 2024 or as specified by contract.**

**Issued By:** Alessandro Bonaudo, Eddie Hwang, Jill Li



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|                    |                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| BYVB32-200-E3/81   | BYVB32-200HE3_A/I  | BYWB29-200-E3/81   | BYWB29-200HE3_A/I  | FEPB16DT-E3/81     |
| FEPB16DTHE3_A/I    | FEPB16GT-E3/81     | FEPB16GTHE3_A/I    | FEPB16JT-E3/81     | FEPB16JTHE3_A/I    |
| FESB16DT-E3/81     | FESB16DTHE3_A/I    | FESB16GT-E3/81     | FESB16GTHE3_A/I    | FESB16JT-E3/81     |
| FESB16JT-E3/81     | FESB8DT-E3/81      | FESB8DTHE3_A/I     | FESB8GT-E3/81      | FESB8GTHE3_A/I     |
| FESB8JT-E3/81      | FESB8JT-E3/81      | GIB1404-E3/81      | GIB1404HE3_A/I     | GIB2404-E3/81      |
| GIB2404HE3_A/I     | MB10H100CTHE3_B/I  | MB10H100HE3_B/I    | MB15H45CT1HM3_A/8B | MB15H45CT1HM3_A/I  |
| MB2045C-61HE3J_B/I | MB20H100CTHE3_B/I  | MB25H45CT1HM3_A/8B | MB25H45CT1HM3_A/I  | MB30H100CTHE3_B/I  |
| MB30H45C61HE3J_B/I | MBRB1045-E3/81     | MBRB1045HE3_B/I    | MBRB1060-E3/81     | MBRB1060HE3_B/I    |
| MBRB10H100CT-E3/81 | MBRB10H100-E3/81   | MBRB10H60HE3_B/I   | MBRB1545CT-E3/81   | MBRB1545CT-E3C/I   |
| MBRB1545CTHE3_B/I  | MBRB1560CT-E3/81   | MBRB1560CTHE3_B/I  | MBRB15H45CTHE3_B/I | MBRB1645-E3/81     |
| MBRB1645HE3_B/I    | MBRB1660-E3/81     | MBRB1660HE3_B/I    | MBRB16H60HE3_B/I   | MBRB2045CT-E3/81   |
| MBRB2045CTHE3_B/I  | MBRB2060CT-E3/81   | MBRB2060CTHE3_B/I  | MBRB20H100CT-E3/81 | MBRB20H60CTHE3_B/I |
| MBRB2545CT-E3/81   | MBRB2545CT-E3C/I   | MBRB2545CTHE3_B/I  | MBRB2560CT-E3/81   | MBRB25H35CTHE3_B/I |
| MBRB25H45CTHE3_B/I | MBRB25H60CTHE3_B/I | MBRB3045CT-E3/81   | MBRB3045CTHE3_B/I  | MBRB30H100CT-E3/81 |
| MBRB30H45CT-E3/81  | MBRB30H45CTHE3_B/I | MBRB30H60CT-E3/81  | MBRB30H60CTHE3_B/I | MBRB745-E3/81      |
| MBRB745-E3C/I      | MBRB745HE3_B/I     | MBRB760-E3/81      | MBRB760HE3_B/I     | NSB8GT-E3/81       |
| NSB8GTHE3_B/I      | NSB8JT-E3/81       | NSB8JT-E3/81       | NSB8KT-E3/81       | NSB8KT-E3/81       |
| NSB8MT-E3/81       | NSB8MTHE3_B/I      | SB25L30CT1HM3_A/I  | SBLB1040CT-E3/81   | SBLB1040CTHE3_B/I  |
| SBLB10L25-E3/81    | SBLB10L25HE3_B/I   | SBLB1640CTHE3_B/I  | SBLB25L30CT-E3/81  | SBLB25L30CTHE3_B/I |



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# Product Change Notification



## Annex 1

### Time Schedule:

Last Time Buy Date of Existing Part Number: June 18, 2024

Last Time Ship Date of Existing Part Number: December 18, 2024

### Part Numbers affected listed below

| Existing P/N       | New Halogen Free P/N | Existing P/N       | New Halogen Free P/N |
|--------------------|----------------------|--------------------|----------------------|
| BYVB32-200-E3/81   | BYVB32-200-M3/I      | MBRB15H45CTHE3_B/I | MBRB15H45CTHM3/I     |
| BYVB32-200HE3_A/I  | BYVB32-200HM3/I      | MBRB1645-E3/81     | MBRB1645-M3/I        |
| BYWB29-200-E3/81   | BYWB29-200-M3/I      | MBRB1645HE3_B/I    | MBRB1645HM3/I        |
| BYWB29-200HE3_A/I  | BYWB29-200HM3/I      | MBRB1660-E3/81     | MBRB1660-M3/I        |
| FEPB16DT-E3/81     | FEPB16DT-M3/I        | MBRB1660HE3_B/I    | MBRB1660HM3/I        |
| FEPB16DTHHE3_A/I   | FEPB16DTHM3/I        | MBRB16H60HE3_B/I   | MBRB16H60HM3/I       |
| FEPB16GT-E3/81     | FEPB16GT-M3/I        | MBRB2045CT-E3/81   | MBRB2045CT-M3/I      |
| FEPB16GTHE3_A/I    | FEPB16GTHM3/I        | MBRB2045CTHE3_B/I  | MBRB2045CTHM3/I      |
| FEPB16JT-E3/81     | FEPB16JT-M3/I        | MBRB2060CT-E3/81   | MBRB2060CT-M3/I      |
| FEPB16JTHE3_A/I    | FEPB16JTHM3/I        | MBRB2060CTHE3_B/I  | MBRB2060CTHM3/I      |
| FESB16DT-E3/81     | FESB16DT-M3/I        | MBRB20H100CT-E3/81 | MBRB20H100CT-M3/I    |
| FESB16DTHHE3_A/I   | FESB16DTHM3/I        | MBRB20H60CTHE3_B/I | MBRB20H60CTHM3/I     |
| FESB16GT-E3/81     | FESB16GT-M3/I        | MBRB2545CT-E3/81   | MBRB2545CT-M3/I      |
| FESB16GTHE3_A/I    | FESB16GTHM3/I        | MBRB2545CT-E3C/I   | MBRB2545CT-M3C/I     |
| FESB16JT-E3/81     | FESB16JT-M3/I        | MBRB2545CTHE3_B/I  | MBRB2545CTHM3/I      |
| FESB16JTHE3_A/I    | FESB16JTHM3/I        | MBRB2560CT-E3/81   | MBRB2560CT-M3/I      |
| FESB8DT-E3/81      | FESB8DT-M3/I         | MBRB25H35CTHE3_B/I | MBRB25H35CTHM3/I     |
| FESB8DTHHE3_A/I    | FESB8DTHM3/I         | MBRB25H45CTHE3_B/I | MBRB25H45CTHM3/I     |
| FESB8GT-E3/81      | FESB8GT-M3/I         | MBRB25H60CTHE3_B/I | MBRB25H60CTHM3/I     |
| FESB8GTHE3_A/I     | FESB8GTHM3/I         | MBRB3045CT-E3/81   | MBRB3045CT-M3/I      |
| FESB8JT-E3/81      | FESB8JT-M3/I         | MBRB3045CTHE3_B/I  | MBRB3045CTHM3/I      |
| FESB8JTHE3_A/I     | FESB8JTHM3/I         | MBRB30H100CT-E3/81 | MBRB30H100CT-M3/I    |
| GIB1404-E3/81      | GIB1404-M3/I         | MBRB30H45CT-E3/81  | MBRB30H45CT-M3/I     |
| GIB1404HE3_A/I     | GIB1404HM3/I         | MBRB30H45CTHE3_B/I | MBRB30H45CTHM3/I     |
| GIB2404-E3/81      | GIB2404-M3/I         | MBRB30H60CT-E3/81  | MBRB30H60CT-M3/I     |
| GIB2404HE3_A/I     | GIB2404HM3/I         | MBRB30H60CTHE3_B/I | MBRB30H60CTHM3/I     |
| MB10H100CTHE3_B/I  | MB10H100CTHM3/I      | MBRB745-E3/81      | MBRB745-M3/I         |
| MB10H100HE3_B/I    | MB10H100HM3/I        | MBRB745-E3C/I      | MBRB745-M3C/I        |
| MB15H45CT1HM3_A/8B | MB15H45CT1HM3_B/8B   | MBRB745HE3_B/I     | MBRB745HM3/I         |
| MB15H45CT1HM3_A/I  | MB15H45CT1HM3_B/I    | MBRB760-E3/81      | MBRB760-M3/I         |
| MB2045C-61HE3J_B/I | MB2045C-61HM3J/I     | MBRB760HE3_B/I     | MBRB760HM3/I         |
| MB20H100CTHE3_B/I  | MB20H100CTHM3/I      | NSB8GT-E3/81       | NSB8GT-M3/I          |
| MB25H45CT1HM3_A/8B | MB25H45CT1HM3_B/8B   | NSB8GTHE3_B/I      | NSB8GTHM3/I          |
| MB25H45CT1HM3_A/I  | MB25H45CT1HM3_B/I    | NSB8JT-E3/81       | NSB8JT-M3/I          |
| MB30H100CTHE3_B/I  | MB30H100CTHM3/I      | NSB8JTHE3_B/I      | NSB8JTHM3/I          |
| MB30H45C61HE3J_B/I | MB30H45C61HM3J/I     | NSB8KT-E3/81       | NSB8KT-M3/I          |
| MBRB1045-E3/81     | MBRB1045-M3/I        | NSB8KTHE3_B/I      | NSB8KTHM3/I          |
| MBRB1045HE3_B/I    | MBRB1045HM3/I        | NSB8MT-E3/81       | NSB8MT-M3/I          |
| MBRB1060-E3/81     | MBRB1060-M3/I        | NSB8MTHE3_B/I      | NSB8MTHM3/I          |
| MBRB1060HE3_B/I    | MBRB1060HM3/I        | SB25L30CT1HM3_A/I  | SB25L30CT1HM3_B/I    |
| MBRB10H100CT-E3/81 | MBRB10H100CT-M3/I    | SBLB1040CT-E3/81   | SBLB1040CT-M3/I      |
| MBRB10H100-E3/81   | MBRB10H100-M3/I      | SBLB1040CTHE3_B/I  | SBLB1040CTHM3/I      |
| MBRB10H60HE3_B/I   | MBRB10H60HM3/I       | SBLB10L25-E3/81    | SBLB10L25-M3/I       |
| MBRB1545CT-E3/81   | MBRB1545CT-M3/I      | SBLB10L25HE3_B/I   | SBLB10L25HM3/I       |
| MBRB1545CT-E3C/I   | MBRB1545CT-M3C/I     | SBLB1640CTHE3_B/I  | SBLB1640CTHM3/I      |
| MBRB1545CTHE3_B/I  | MBRB1545CTHM3/I      | SBLB25L30CT-E3/81  | SBLB25L30CT-M3/I     |
| MBRB1560CT-E3/81   | MBRB1560CT-M3/I      | SBLB25L30CTHE3_B/I | SBLB25L30CTHM3/I     |
| MBRB1560CTHE3_B/I  | MBRB1560CTHM3/I      |                    |                      |