



# Product Termination Notification

Product Group: OPT/Wed Oct 19, 2022/PTN-OPT-1245-2022-REV-0

## End of Life of existing Learning, Repeater and Data Transmission Parts

**DESCRIPTION OF CHANGE:** The products reached the end of the product life cycle.

We recommended to test the replacement parts in your application.

Details can be found in the Fast Fact.

**REASON FOR CHANGE:** The existing external IC Supplier has announced to end production.

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** None.

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** Please see materials list on the succeeding page.

**VISHAY BRAND(s):** Vishay Semiconductors

**TIME SCHEDULE:**

Last Time Buy Date: Sun Apr 30, 2023

Last Time Ship Date: Tue Oct 31, 2023

**SAMPLE AVAILABILITY:** Replacement samples are available

**PRODUCT IDENTIFICATION:** -

**QUALIFICATION DATA:** -

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sun Dec 11, 2022 or as specified by contract.**

**ISSUED BY:** Rainer Hauschildt, rainer.hauschildt@vishay.com

**For further information, please contact your regional Vishay office.**

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ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



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|              |                   |             |              |              |
|--------------|-------------------|-------------|--------------|--------------|
| ?HSMP58000   | TSMP1138          | TSMP4138    | TSMP4138SB1  | TSMP58000    |
| TSMP58000DD1 | TSMP58000SS1BS12Z | TSMP58138   | TSMP58138SB1 | TSMP6000TR   |
| TSMP6000TT   | TSMP77000TR       | TSMP77000TT | TSMP77138TR  | TSMP77138TT  |
| TSOP6940TR   | TSOP6940TT        | TSOP53940   | TSOP77940TT  | TSOP77940WTR |
| VSOP98260    |                   |             |              |              |

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## End of Life of existing Learning, Repeater and Data Transmission Parts

Vishay Opto has published PCN-OPT-1245-2022, announcing the end of life of existing TSMP/HSMP Series, TSOPxx940xx and VSOP98260.

### FAQ:

**Q: Why has Vishay obsolete these parts?**

A: The existing IC supplier has announced to end production.

**Q: Are there any replacement parts available?**

A: For TSMP products, there are replacement parts available.

Vishay has designed a new IC based on the latest chip technology of the worlds leading Chip Foundry, to assure a long-term availability of the new product generation.

The following replacement parts have this new IC inside:

| Obsolete parts    | Recommended Replacement |
|-------------------|-------------------------|
| HSMP58000         | HSMP98000               |
| TSMP1138          | TSMP91100               |
| TSMP4138          | TSMP94100               |
| TSMP4138SB1       | TSMP94100SB1            |
| TSMP58000         | TSMP98000               |
| TSMP58000DD1      | TSMP98000DD1            |
| TSMP58000SS1BS12Z | TSMP98000SS1BS12Z       |
| TSMP58138         | TSMP98100               |
| TSMP58138SB1      | TSMP98100SB1            |
| TSMP6000TR        | TSMP96000TR             |
| TSMP6000TT        | TSMP96000TT             |
| TSMP77000TR       | TSMP95000TR             |
| TSMP77000TT       | TSMP95000TT             |
| TSMP77138TR       | TSMP95100TR             |
| TSMP77138TT       | TSMP95100TT             |
| TSOP6940TR        | None                    |
| TSOP6940TT        | None                    |
| TSOP53940         | None                    |
| TSOP77940TT       | None                    |
| TSOP77940WTR      | None                    |
| VSOP98260         | None                    |



The replacement parts are mechanically the same.  
The replacement parts have a wider supply voltage range:  
-Obsolete parts: 2.5-5.5V  
-Replacement parts: 2.0-5.5V.

The learning type replacements (TSMPx000) have a reduced bandwidth:  
-Obsolete parts: 20-60kHz  
-Replacement parts: 30-60kHz.  
Custom solutions with different bandwidth range (20-50kHz) are also possible.

The repeater type replacements (TSMPx138) have the same bandwidth.

We recommend to order samples and test the replacement parts in your application.  
Concerning the obsolete products without a direct replacement, we recommend you to contact our application support via [IRR@Vishay.com](mailto:IRR@Vishay.com).

**Q: When will samples and datasheets of the replacement parts be available?**

A: Datasheets will be available on our website [IR Receivers | Vishay](#) by 1st of November.  
Samples will be available end of October 2022.  
They can be ordered by contacting me or our Business Marketing colleagues mentioned below.

**THE AMERICAS**

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