



# Product Change Notification



Product Group: Opto Modules & Visibles 13-DEC-2017 / PCN OMV-1008-2017 Rev. 0

## TITLE: Construction change for LH series Solid State Relays

**DESCRIPTION OF CHANGE:** With this change, Vishay announces a change of construction of the part. This change facilitates the manufacture of these products on Vishay's newer automated production lines. This announcement encompasses several improvements.

Package: The automated production lines utilize mold compounds that are environmental friendly and are currently in production. In the case of the DIP-6 parts, the package length will be shorter to accommodate end to end stacking on a PCB.

Construction: The automated production lines uses the industry standard Hybrid consisting of an emitter, Photovoltaic stack and two MOSFETS. The current construction consists of one emitter and a detector chip per relay.

**CLASSIFICATION OF CHANGE:** Bill of Material (Major) / Assembly Process/Structure / Direct Materials (Major)

**REASON FOR CHANGE:** This transition was initiated for the following reasons:

Consolidation of the construction methods, processes and materials used in the production of the products.

The announcement from a supplier on the discontinuance of the material used in the attachment of the detector to the lead frame of the DIP-8, DIP-4 and SOP-4 products.

**EXPECTED INFLUENCE ON QUALITY RELIABILITY / PERFORMANCE:** These products have undergone a comprehensive qualification and characterization program. The new version was found to have no adverse effects on the quality. The performance of the new parts are comparable to the original. Some of the less critical parameters such as current limit, ILIMIT; Safety current, ISI; and Reverse IrED voltage VR have changed on some of the parts.

**PRODUCT CATEGORY:** Solid State Relays

### PART NUMBERS / SERIES / FAMILIES AFFECTED:

This PCN impacts the LH series of products. This change is being implemented on the following parts only:

LH1500AAB, LH1500AABTR, LH1500AT  
 LH1505AAC, LH1505AACTR, LH1505AB  
 LH1510AAB, LH1510AABTR, LH1510AABTR-X001, LH1510AT  
 LH1518AAB, LH1518AABTR, LH1518AT  
 LH1520AAC, LH1520AACTR, LH1520AB  
 LH1522AAC, LH1522AACTR, LH1522AB  
 LH1525AAB, LH1525AABTR, LH1525AT  
 LH1526AAC, LH1526AACTR, LH1526AB  
 LH1532AAC, LH1532AACTR, LH1532AB  
 LH1540AAB, LH1540AABTR, LH1540AAB-X001, LH1540AT, LH1540AT-X001  
 LH1546AAB, LH1546AABTR, LH1546ADF, LH1546ADFTR, LH1546AEF, LH1546AEFT2, LH1546AEFTR, LH1546AT  
 LH1550AAB1, LH1550AAB1TR, LH1550AT1  
 LH1556AAC

**VISHAY BRAND(s):** VISHAY SEMICONDUCTORS

### TIME SCHEDULE:

Start Shipment Date: 09-APR-2018

**SAMPLES AVAILABLE BEGINNING:** 15-DEC-2017

We need samples for evaluation:  Yes  No

If Yes return this form to contact information below.

### Annotations about time schedule:

Components will start shipping on or after the Start Shipment Date indicated. The exact date will be a function of the depletion of the existing product inventories.

**PRODUCT IDENTIFICATION:** By Date code

**QUALIFICATION DATA:** This change has been rigorously qualified by company and industry standard qualifications. Qualification data is available upon request.

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 31-MAR-2018 or as specified by contract.**

### ISSUED BY:

PM: Paul Sinclair, Product Marketing

Phone: +1 408 250 1346

Email: paul.sinclair@vishay.com

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

**CONTACT INFORMATION:**

**VISHAY Intertechnology Asia Pte. Ltd.**  
**Regional Marketing Asia/Japan**  
25 Tampines Street 92  
Keppel Building # 02-00  
Singapore 528877  
Phone: +65-6788-6668  
Fax: +65-6788-3383

**VISHAY Intertechnologies, Inc.**  
**Regional Marketing The Americas - Opto**  
2201 Laurelwood Road  
M/S 55  
Santa Clara, CA 95014  
USA  
Phone: +1-408-567-8317  
Fax: +1-408-567-8371

**VISHAY Semiconductor GmbH**  
**Regional Marketing Europe Opto**  
Theresienstr. 2  
D-74025 Heilbronn  
Germany  
Phone: +49-7131-672666  
Fax: +49-7131-673144

---



# Product Change Notification



Product Group: Opto Modules & Visibles 13-DEC-2017 / PCN OMV-1008-2017 Rev. 0

## Attached Part Number List:

Product list for PCN OMV-1008-2017 LH1500AAB LH1500AABTR LH1500AT LH1505AAC  
LH1505AACTR LH1505AB LH1510AAB LH1510AABTR LH1510AABTR-X001 LH1510AT  
LH1518AAB LH1518AABTR LH1518AT LH1520AAC LH1520AACTR LH1520AB LH1522AAC  
LH1522AACTR LH1522AB LH1525AAB LH1525AABTR LH1525AT LH1526AAC LH1526AACTR  
LH1526AB LH1532AAC LH1532AACTR LH1532AB LH1540AAB LH1540AABTR LH1540AAB-  
X001 LH1540AT LH1540AT-X001 LH1546AAB LH1546AABTR LH1546ADF LH1546ADFTR  
LH1546AEF LH1546AEFT2 LH1546AEFTR LH1546AT LH1550AAB1 LH1550AAB1TR LH1550AT1  
LH1556AAC