



# Product Change Notification



Product Group: Opto Modules & Visibles 03-MAR-2015 / PCN OMV-795-2014 Rev. 0

## TITLE: Double Molded SSOP construction change.

**DESCRIPTION OF CHANGE:** This change is done to improve Isolation Voltage robustness. This is realized through a construction change to a Double Molded Over/ Under (DMOU) package. The new package will be black in colour and will be produced using Environmental Friendly molding compounds on a new automated production line.

In addition to this we also taking the opportunity to upgrade the detector chips to the newer 6" version with the introduction of an alternate detector and the SFH6916 will also be consolidated to this new manufacturing line.

**CLASSIFICATION OF CHANGE:** Assembly Process/Structure / Wafer/Chip/Pellet Process/Structure

**REASON FOR CHANGE:** Products were changed to improve the high voltage robustness performance of the SSOP products and to the avail of the more environmental friendly "Green" mold compounds that are currently available.

This change will allow the utilization of the same materials, construction and process that are employed on all other optocouplers Vishay manufactures.

In the case of the SFH6916, it is being transferred from an older Double molded line to this new line.

**EXPECTED INFLUENCE ON QUALITY RELIABILITY / PERFORMANCE:** By manufacturing these products using the DMOU construction on a more automated production line, a more robust and reliable product is achieve while still maintaining the existing product specification and performance.

**PRODUCT CATEGORY:** Optocouplers, Isolators

### PART NUMBERS / SERIES / FAMILIES AFFECTED:

This PCN impacts the TCMT, TCMD and SFH6916 series of products. The products are:

SFH6916, SFH6916-X001

TCMD1000, TCMD4000

TCMT1100, TCMT1101, TCMT1102, TCMT1103, TCMT1104, TCMT1105, TCMT1106, TCMT1107, TCMT1108, TCMT1110, TCMT1113, TCMT1116, TCMT1117, TCMT1118, TCMT1600, TCMT1600-3087, TCMT1600T3, TCMT4100, TCMT4100T0, TCMT4106, TCMT4600, TCMT4600T0, TCMT4606

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

### TIME SCHEDULE:

### Annotations about time schedule:

Start Shipment Date: 01-MAY-2015

Last Time Buy Date: 30-APR-2015

Last Time Shipment Date: 30-JUN-2015

The components covered by this PCN will start shipping on or after May 1st 2015. The exact date will be a function of the depletion of the existing product inventories.

**SAMPLES AVAILABLE BEGINNING:** 26-FEB-2015

We need samples for evaluation: Yes No

If Yes return this form to contact information below.

**PRODUCT IDENTIFICATION:** Marking and package appearance

**QUALIFICATION DATA:** This change has been rigorously qualified by company and industry standard qualifications.

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 30-APR-2015 or as specified by contract.**

### ISSUED BY:

PM: Paul Sinclair, Product Marketing cb79a0336cdbccdc6b44c13c6ea51603

Phone: +1 408 567 8354

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

**VISHAY Intertechnologies, Inc.**  
Regional Marketing The Americas - Opto  
2201 Laurelwood Road  
M/S 55  
Santa Clara, CA 95014  
USA

**VISHAY Semiconductor GmbH**  
Regional Marketing Europe Opto  
Theresienstr. 2  
D-74025 Heilbronn  
Germany  
Phone: +49-7131-672976

Fax: +65-6788-3383

Phone: +1-408-567-8317  
Fax: +1-408-567-8371

Fax: +49-7131-673144

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## Attached Part Number List:

### Products List

Series	Type	Part Number	
SFH	SFH6916	SFH6916	
		SFH6916-X001	
TCMD	TCMD1000 TCMD4000	TCMD1000	
		TCMD4000	
TCMT	TCMT11xx	TCMT1100	
		TCMT1101	
		TCMT1102	
		TCMT1103	
		TCMT1104	
		TCMT1105	
		TCMT1106	
		TCMT1107	
		TCMT1108	
		TCMT1110	
		TCMT1113	
		TCMT1116	
		TCMT1117	
		TCMT1118	
		TCMT1600	
		TCMT1600-3087	
		TCMT1600T3	
		TCMT4100	TCMT4100
			TCMT4100T0
		TCMT4600	TCMT4106
TCMT4600			
TCMT4600T0			
		TCMT4606	