



Product Change Notification



Product Group: Opto Modules & Visibles 02-APR-2013 / PCN OMV-635-2013 Rev. 0

TITLE: 5 pin LSOP (TCLT11XX) Miniflat phototransistors optocouplers construction change

DESCRIPTION OF CHANGE: This change is done to improve Isolation Voltage robustness. This is realized through construction change to a Double Molded Over/ Under (DMOU) package. As a consequence of this the Package color will change to black and Eco-Friendly mold compound will be used.

There is no change in detector or emitter die; however as an alternate we are incorporating the use of detector die from 6" Wafers.

CLASSIFICATION OF CHANGE: Assembly Process/Structure / Molding/Coating / Wafer/Chip/Pellet Layout/Design

REASON FOR CHANGE: To improve High Voltage robustness.

The Double Molded Over Under construction provides a more robust Isolation Voltage performance compared to the industry standard coplanar structure. This change therefore represents a major step in moving to a non-coplanar construction for all our products.

Other LSOP products, 4 pin versions, have been in production for the past two years using this construction, molding compound and die without any change in product functionality

EXPECTED INFLUENCE ON QUALITY Isolation Voltage robustness will be enhanced.

RELIABILITY / PERFORMANCE: Extensive Product Qualification and Characterization tests performed show that there is no change in Form/ Fit/ Function.

PRODUCT CATEGORY: Optocouplers, Isolators

PART NUMBERS / SERIES / FAMILIES AFFECTED:

TCLT1100/ TCLT1101/ TCLT1102/ TCLT1103/ TCLT1104/ TCLT1105/ TCLT1106/ TCLT1107/ TCLT1108/ TCLT1109

No other TCLT device is affected.

VISHAY BRAND(s): VISHAY SEMICONDUCTORS

TIME SCHEDULE:

Annotations about time schedule:

Start Shipment Date: 28-JUN-2013

Last Time Buy Date:

Last Time Shipment Date:

SAMPLES AVAILABLE BEGINNING:

We need samples for evaluation: Yes No

If Yes return this form to contact information below.

PRODUCT IDENTIFICATION: Date Code 1326

QUALIFICATION DATA: Available upon request.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 21-JUN-2013 or as specified by contract.

ISSUED BY:

PM: Syed Naqvi, Marketing-Coupler/SSR

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For further Information, please contact your regional Vishay office.

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Attached Part Number List:

Products affected by the PCN

TCLT1100	TCLT1110
TCLT1101	TCLT1111
TCLT1102	TCLT1112
TCLT1103	TCLT1113
TCLT1104	TCLT1114
TCLT1105	TCLT1115
TCLT1106	TCLT1116
TCLT1107	TCLT1117
TCLT1108	TCLT1118
TCLT1109	TCLT1119

No other TCLT products are affected by this PCN