

## Product Change Notification

**PCN number: 20140501-01**

**Effective date: August 1st, 2014**

**Description of Change:**

Lite-On would like to change the epoxy to silicone for encapsulant of PLCC T680 series. Original water lens will be replaced by diffused color. Per Lite-On naming rule, the part number will be changed due to diffused lens accordingly.

**Reason of change:**

In order to improve product quality, Lite-On would like to change encapsulant of PLCC LTST-T680 series from epoxy as silicone for better reliability. Silicone type can reach not only the same performance but even higher quality level than epoxy type.

**Affected part numbers:**

Table 1. Affected part numbers:

LTST-T680KFKT	LTST-T680KSKT	LTST-T680UBKT
LTST-T680KGKT	LTST-T680QEKT	LTST-T680UGKT
LTST-T680KGKT-M	LTST-T680QSKT	LTST-T680VEKT
LTST-T680KRKT	LTST-T680TBKT	LTST-T680VSKT
LTST-T680KRKT-DT	LTST-T680TGKT	LTST-T680ZBKT-GR

**Effect of Change:**

Table 2. Lens color is changed as below:

	Original	New
P/N	LTST-T680xxKT	LTST-T680xxWT
Appearance		
Leadframe	<b>Water Clear</b>	<b>Diffused</b>



Table3. New part numbers after changed:

LTST-T680KFWT	LTST-T680KSWT	LTST-T680UBWT
LTST-T680KGWT	LTST-T680QEWT	LTST-T680UGWT
LTST-T680KGWT-M	LTST-T680QSWT	LTST-T680VEWT
LTST-T680KRWT	LTST-T680TBWT	LTST-T680VSWT
LTST-T680KRWT-DT	LTST-T680TGWT	LTST-T680ZBWT-GR

**Data sheet:**

Datasheets will be updated as new version with the new part numbers, and will be available upon request.

**Reliability data:**

Lite-On's existing internal qualification process has implemented for the alternative material to ensure the devices meet and exceed Lite-On's quality and reliability requirements.

Reliability data is available upon request.

**Effective Date of Change:**

The new specification will be effective from 1<sup>st</sup> Aug. 2014.

**Response date:**

This PCN is considered approved, without further notification, unless we receive specific customer concerns within 2 months after the PCN issuance date.

**Sample availability:**

Samples are available upon request.

**Issued by:**

LITEON OPS

SMD LOB / 2014 /5