

# Product /Process Change Notification

**PCN-20210168**

**Effective date: Mar. 1<sup>st</sup>, 2022**

**Description of Change:**

Lite-On will be introducing additional dice materials for chip LED since of the long lead time of original dices. The affected part numbers are shown as below.

**Reason of Change:**

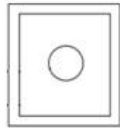

In an attempt to mitigate any potential risk to supply continuity, Lite-On has proactively identified alternative bill of materials to improve upon its current sources. The alternative dices have been qualified in Lite-On materials pool.

**Affected part numbers:**

LTST-C150YKT	LTST-C190AKT	LTST-C191YKT-F	LTST-S320GKT
LTST-C170AKT	LTST-C190AKT	LTST-C155GAKT	LTST-S326GEKT
LTST-C170GKT	LTST-C190GKT	LTST-C197GEKT-F	LTST-S326YGKT-F
LTST-C170GKT-SS	LTST-C190GKT-DE	LTST-C197PGYKT-F	LTST-S326YGKT-T
LTST-C171AKT	LTST-C190YKT	LTST-S110AKT	
LTST-C171GKT-T	LTST-C191GKT	LTST-S117GYKT	

**Effect of Change:**

1. Dice:

Original	New
GaAsP / GaP	AlInGaP
	

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2. Optical and electrical characteristics:

PN	Iv (mcd)				HUE (nm)			
	Original		New		Original		New	
	min	max	min	max	min	max	min	max
LTST-C190YKT	-	-	-	-	578	592	584	595
LTST-C197GEKT-F	-	-	-	-	567	571	564	574
LTST-C197PGYKT-F	-	-	-	-	581	590	584	595
LTST-S326YGKT-F	-	-	-	-	566	573	566	576

**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.

**Effective Date of Change:**

New dices will be used from Mar. 1<sup>st</sup>, 2022.

**Response date:**

This PCN is considered approved, without further notification, unless we receive specific customer concerns within 1 month after the PCN issuance date.

**Issued by:**

LITEON OPS  
SMD LOB  
Sept. 1<sup>st</sup>, 2021