



Product Change Notification Form (PCN)

FRM-000621 - Rev 2

TRACKING #	PCN-000009	TYPE OF CHANGE	Major	DATE OF PCN	10/9/2020
DESCRIPTION OF CHANGE	Upgrade of LED die used in PT-39-G-L51				
DETAILS OF CHANGE					
Dear Customer:					
You are receiving this notification because the PT-39-G-L51 product that you are purchasing from Luminus is affected by an upcoming change due a transition in the epitaxial (epi) material used to make its die. This change will result in updates to the product specification that will require your review. Please refer to the "Anticipated Impact" section below for details.					
REASON FOR CHANGE					
Current die uses custom epitaxial material (epi) that is affected by on-going sustaining issues, resulting in poor manufacturability. This change migrates to a mainstream epi that will improve manufacturing predictability and overall product quality.					
AFFECTED PRODUCT LIST					
PT-39-G-L51-CD100					
ANTICIPATED IMPACT ON FORM FIT, FUNCTION, QUALITY OR RELIABILITY					
Anticipated changes to the specification include:					
<ul style="list-style-type: none">- Reduction in forward Voltage (Vf), resulting in a change of minimum and maximum Vf specifications. Lower VF will result in lower power dissipation and reduction in LED junction temperature, which benefits overall lifetime and reliability of the LED- Possible minor change to some parametric current curves.					
Luminus will publish a report summarizing characteristics of the updated product compared to the version currently shipping.					
There is no anticipated impact to the product lifetime and reliability (same or better).					



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SCHEDULE		
Deliverable	Status	Result
Characterization Report	Pending	11/06/2020
Updated Datasheet	Pending	11/20/2020
Qualification completion	On-Going	12/18/2020
DATE OF AVAILABILITY OF QUALIFICATION DATA	01/08/2021 for final report	
DATE OF AVAILABILITY OF QUALIFICATION SAMPLES	10/25/2020	
METHOD OF IDENTIFYING CHANGED PRODUCT	Full traceability to source material via device serialization Part Number revision changed to Rev02	
PLACE LAST PURCHASE ORDER BY	N/A	
DATE OF IMPLEMENTATION	Product with the new epi may start shipping by 1/11/2021	

TO BE FILLED BY CUSTOMER	
Date of PCN Acknowledgement	
Name /Title	
Signature	
- Please acknowledge receipt of the PCN within 30 days of delivery of the PCN.	
- Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.	