



# Customer Information Note

April 28<sup>th</sup>, 2021

**Customer Information Note #: 2021041C**

**Subject: Lumileds informs customers of alternative TVS chip for LUXEON Z and LUXEON Z ES Product Lines**

## Overview

Lumileds is notifying customers of an alternative TVS chip that has been qualified for use for LUXEON Z and LUXEON Z ES Product Lines. At this time, Lumileds is ready to proceed with the implementation of these alternative die. The details and supporting documents are attached below.

<b>Description of Change(s):</b>	Usage of Alternative TVS
<b>Customer Impact and Recommended Actions:</b>	No impact and no recommended actions
<b>Products affected:</b>	LUXEON Z and LUXEON Z ES products - refer to Attachment A
<b>Reference Documents/Attachments:</b>	Attachment A: Affected Part Numbers
<b>Reason for Changes:</b>	To improve supportability and ensure continuity of supply
<b>Anticipated (positive and negative) impact on form, fit, function or reliability:</b>	There will be a slight change to the product appearance (Attachment B);  However there is no impact to the product functionality as a result of the TVS change.  No other impact on form, fit, function, reliability
<b>Customer part numbers (if applicable):</b>	See Attachment A for affected Lumileds Part Numbers
<b>Last date, if applicable, of manufacture of the unchanged product:</b>	On or after : May, 2021
<b>Anticipated date when shipments of the changed product can commence:</b>	On or after : May, 2021

## Next Steps

No action required. The alternative TVS will be implemented on or after the date listed in the table above.

**Contact:**

If you have any questions, or need any further assistance, please contact your Lumileds sales representative.

# Attachments

## Attachment A: Affected part numbers

LUXEON Z	LUXEON Z ES
LXZ1-1000	LXZ2-2280-3
LXZ1-2280-1	LXZ2-2280-420
LXZ1-2280-3	LXZ2-2280-5
LXZ1-2280-5	LXZ2-2670
LXZ1-2780-1	LXZ2-2780-1
LXZ1-2780-3	LXZ2-2780-2
LXZ1-2780-468	LXZ2-2780-3
LXZ1-2780-5	LXZ2-2780-387
LXZ1-2790-1	LXZ2-2780-401
LXZ1-2790-3	LXZ2-2780-405
LXZ1-2790-5	LXZ2-2780-413
LXZ1-3080-1	LXZ2-2780-419
LXZ1-3080-3	LXZ2-2780-420
LXZ1-3080-5	LXZ2-2780-460
LXZ1-3090-1	LXZ2-2780-488
LXZ1-3090-3	LXZ2-2780-5
LXZ1-3090-5	LXZ2-2780-SX04
LXZ1-3580-1	LXZ2-2780-VV02
LXZ1-3580-3	LXZ2-2780-XU04
LXZ1-3580-5	LXZ2-2790-1
LXZ1-4070	LXZ2-2790-3
LXZ1-4070-0124	LXZ2-2790-419
LXZ1-4070-0134	LXZ2-2790-420
LXZ1-4070-0144	LXZ2-2790-460
LXZ1-4070-0154	LXZ2-2790-488
LXZ1-4070-465	LXZ2-2790-5
LXZ1-4080-1	LXZ2-3070
LXZ1-4080-3	LXZ2-3080-1
LXZ1-4080-497	LXZ2-3080-2
LXZ1-4080-5	LXZ2-3080-3
LXZ1-4090-1	LXZ2-3080-379
LXZ1-4090-3	LXZ2-3080-405

LXZ1-4090-5	LXZ2-3080-419
LXZ1-5070	LXZ2-3080-420
LXZ1-5080-1	LXZ2-3080-434
LXZ1-5080-3	LXZ2-3080-434
LXZ1-5080-5	LXZ2-3080-460
LXZ1-5770	LXZ2-3080-479
LXZ1-5790-1	LXZ2-3080-485
LXZ1-5790-3	LXZ2-3080-488
LXZ1-5790-5	LXZ2-3080-5
LXZ1-6565	LXZ2-3080-SY04
LXZ1-6565-494	LXZ2-3080-VW02
LXZ1-6570	LXZ2-3080-XV04
LXZ1-PA01	LXZ2-3090-1
LXZ1-PA01-0250	LXZ2-3090-3
LXZ1-PA01-0300	LXZ2-3090-371
LXZ1-PA01-0350	LXZ2-3090-419
LXZ1-PA01-453	LXZ2-3090-420
LXZ1-PB01	LXZ2-3090-460
LXZ1-PB01-0024	LXZ2-3090-488
LXZ1-PB01-0032	LXZ2-3090-5
LXZ1-PB01-0040	LXZ2-3470
LXZ1-PB01-0048	LXZ2-3580-1
LXZ1-PB01-350	LXZ2-3580-3
LXZ1-PB01-445	LXZ2-3580-420
LXZ1-PB01-450	LXZ2-3580-488
LXZ1-PB01-474	LXZ2-3580-5
LXZ1-PB01-500	LXZ2-3590-1
LXZ1-PB01-ZD06	LXZ2-3590-3
LXZ1-PB01-ZH03	LXZ2-3590-420
LXZ1-PD01	LXZ2-3590-454
LXZ1-PD01-0040	LXZ2-3590-488
LXZ1-PD01-0048	LXZ2-3590-5
LXZ1-PD01-0056	LXZ2-4065-ANSI
LXZ1-PD01-307	LXZ2-4070
LXZ1-PD01-387	LXZ2-4070-364
LXZ1-PD01-395	LXZ2-4070-401
LXZ1-PD01-497	LXZ2-4070-412
LXZ1-PD02	LXZ2-4070-431
LXZ1-PD02-0024	LXZ2-407T
LXZ1-PD02-0032	LXZ2-4080-1

LXZ1-PD02-0040	LXZ2-4080-2
LXZ1-PD02-0048	LXZ2-4080-3
LXZ1-PD02-465	LXZ2-4080-379
LXZ1-PD02-481	LXZ2-4080-405
LXZ1-PD02-ZE12	LXZ2-4080-419
LXZ1-PD02-ZJ04	LXZ2-4080-420
LXZ1-PE01	LXZ2-4080-460
LXZ1-PE01-0048	LXZ2-4080-488
LXZ1-PE01-0056	LXZ2-4080-5
LXZ1-PE01-0064	LXZ2-4080-SZ04
LXZ1-PE01-0072	LXZ2-4080-XW04
LXZ1-PE01-395	LXZ2-4090
LXZ1-PE01-497	LXZ2-4090-3
LXZ1-PH01	LXZ2-4090-419
LXZ1-PH01-0048	LXZ2-4090-420
LXZ1-PH01-0056	LXZ2-4090-460
LXZ1-PH01-0064	LXZ2-4090-488
LXZ1-PH01-0072	LXZ2-4090-5
LXZ1-PH01-VP02	LXZ2-4170
LXZ1-PH01-VR03	LXZ2-4570
LXZ1-PH01-WH03	LXZ2-5070
LXZ1-PH02	LXZ2-5070-374
LXZ1-PH02-0040	LXZ2-5070-401
LXZ1-PH02-0048	LXZ2-5070-436
LXZ1-PH02-0056	LXZ2-507T
LXZ1-PH02-397	LXZ2-5080
LXZ1-PH02-478	LXZ2-5080-1
LXZ1-PH02-QD03	LXZ2-5080-3
LXZ1-PL01	LXZ2-5080-420
LXZ1-PL01-0048	LXZ2-5080-488
LXZ1-PL01-0056	LXZ2-5080-492
LXZ1-PL01-0064	LXZ2-5080-5
LXZ1-PL01-307	LXZ2-5690
LXZ1-PL01-395	LXZ2-5765-ANSI
LXZ1-PL02	LXZ2-5770
LXZ1-PL02-0064	LXZ2-5770-369
LXZ1-PL02-0072	LXZ2-5770-375
LXZ1-PL02-0080	LXZ2-5770-412
LXZ1-PL02-0088	LXZ2-5770-452
LXZ1-PL02-0096	LXZ2-5770-462

LXZ1-PL02-0104	LXZ2-5770-467
LXZ1-PL02-0112	LXZ2-5770-476
LXZ1-PL02-464	LXZ2-5770-480
LXZ1-PL02-497	LXZ2-577T
LXZ1-PL03	LXZ2-5790-1
LXZ1-PL03-0016	LXZ2-5790-3
LXZ1-PL03-0024	LXZ2-5790-404
LXZ1-PL03-0032	LXZ2-5790-444
LXZ1-PL03-0040	LXZ2-5790-460
LXZ1-PM01	LXZ2-5790-488
LXZ1-PM01-0072	LXZ2-5790-5
LXZ1-PM01-0080	LXZ2-6570
LXZ1-PM01-0088	LXZ2-6570-397
LXZ1-PM01-0096	LXZ2-6570-413
LXZ1-PM01-0104	LXZ2-6570-457
LXZ1-PM01-307	LXZ2-6570-491
LXZ1-PM01-387	LXZ2-657T
LXZ1-PM01-450	LXZ2-L1C-344
LXZ1-PM01-458	LXZ2-PR02
LXZ1-PM01-465	LXZ2-PR02-YA08
LXZ1-PM01-478	
LXZ1-PR01	
LXZ1-PR01-0500	
LXZ1-PR01-0550	
LXZ1-PR01-0600	
LXZ1-PR01-307	
LXZ1-PR01-362	
LXZ1-PR01-387	
LXZ1-PR01-397	
LXZ1-PR01-465	
LXZ1-PR01-477	
LXZ1-PR01-478	
LXZ1-PWD9	
LXZ1-PWD9-002A	
LXZ1-PWD9-003A	
LXZ1-PWD9-007A	
LXZ1-PWD9-008A	
LXZ1-PWD9-009A	
LXZ1-PX01	
LXZ1-PX01-0144	

LXZ1-PX01-0154	
LXZ1-PX01-0164	
LXZ1-PX01-0174	
LXZ1-PX01-0184	
LXZ1-PX01-0194	
LXZ1-PX01-397	
LXZ1-PX01-487	
LXZ1-PX01-500	
LXZ1-PX01-QE03	

## Attachment B: Image of TVS

### LUXEON Z ES



Current TVS



New TVS