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Control No. PCN-24111

Revision 1: Added LNK6773K-TL & LNK6775K-TL

April 9, 2024

PRODUCT/PROCESS CHANGE NOTIFICATION

TYPE OF CHANGE:

☐ Design

☒ Manufacturing

☐ Other

This notification is provided in accordance with Power Integrations policy of product/process change notification. If you have any questions or need further assistance, please contact your regional Power Integrations sales office.

DESCRIPTION OF CHANGE

Lapis Semiconductor Company Limited, Miyagi, Japan, an existing qualified wafer fabrication site, will be added as an alternative site for the products listed in this notification.

REASON FOR CHANGE

Improvement in the manufacturing capacity and flexibility.

PRODUCTS AFFECTED

Product Family	Part Numbers	Package
LinkSwitch-HP	LNK6663E, LNK6663E0225, LNK6664E, LNK6665E, LNK6666E, LNK6667E, LNK6668E, LNK6669E, LNK6763E, LNK6764E, LNK6765E, LNK6766E, LNK6767E, LNK6768E, LNK6769E, LNK6773E, LNK6774E, LNK6775E, LNK6776E, LNK6777E, LNK6778E, LNK6779E, SC1166E, SC1189E	eSIP-7C
	LNK6663K, LNK6664K, LNK6664K1, LNK6664K1-TL, LNK6665K, LNK6665K1, LNK6665K1-TL, LNK6666K, LNK6667K, LNK6668K, LNK6668K-TL, LNK6669K, LNK6763K, LNK6764K,, LNK6765K, LNK6766K, LNK6767K, LNK6767K0190, LNK6767K0190-TL, LNK6768K, LNK6769K, LNK6769K0190, LNK6769K0190-TL, LNK6773K, LNK6773K-TL, LNK6774K, LNK6775K, LNK6775K-TL, LNK6775K0237, LNK6775K0237-TL, LNK6776K, LNK6776K0237, LNK6776K0237-TL, LNK6777K, LNK6777K0237, LNK6777K0237-TL, LNK6778K, LNK6779K, LNK6779K-TL, LNK6779K0190, LNK6779K0190-TL	eSOP-12B
	LNK6663V, LNK6664V, LNK6664V0225, LNK6665V, LNK6665V0225, LNK6666V, LNK6667V, LNK6668V, LNK6669V, LNK6763V, LNK6764V, LNK6765V, LNK6766V, LNK6767V, LNK6768V, LNK6768V0225, LNK6769V, LNK6773V, LNK6774V, LNK6775V, LNK6776V, LNK6777V, LNK6778V, LNK6779V	eDIP-12B

QUALIFICATION STATUS

Refer to Appendix 1 for the qualification data.

EFFECT ON CUSTOMER

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No adverse impact is expected in manufacturers' applications. There is no change to the datasheet parameters.

EFFECTIVE DATE

July 9, 2024. This date is subject to change. Products fabricated at the current wafer fabrication site will continue to be shipped after implementation of the above change.

SAMPLE AVAILABILITY

Samples will be available 8 weeks from the date of request. Please send requests for samples within two weeks after receipt of this notification to the local Power Integrations sales office.

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Appendix 1
Reliability Engineering
Qualification Report

Qualification Project: P232108

Project Title: LinkSwitch-HP Product Family Lapis-S2 Wafer Fab Qualification

Qual Summary:

Reliability testing was performed to qualify the LinkSwitch-HP product family for wafer fabrication in the Lapis-S2 (Miyagi, Japan) wafer fab. Lapis-S2 is a previously qualified, high-volume, wafer fabrication facility for similar products on the same fabrication process as LinkSwitch-HP and thus a minimal one-lot qualification was performed. One lot of LNK6779V was subjected to 1000 hours of DOPL with passing results. Yield analysis was completed with acceptable results. Based on these results, LinkSwitch-HP products are qualified for wafer fabrication in the Lapis-S2 wafer fab.

Qualification Vehicles: LNK6779V

Reliability Test Descriptions and Conditions

Test Name	Conditions	Reference Specification
DOPL (Dynamic Operating Life Test)	Tj=125°C, Vd_peak=580V	EIA/JESD22-A108

DOPL (Dynamic Operating Life)

Product	Lot #	Assembly Site	Test Duration	No. Failures/Sample Size
LNK6779V	DV597A	THT	1000 hours	0 / 45

Conclusion: Based on passing qualification results, LinkSwitch-HP products are qualified for wafer fabrication in the Lapis-S2 wafer fab.

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CUSTOMER ACKNOWLEDGEMENT

Power Integrations requests you acknowledge the receipt of the above-mentioned PCN. If no acknowledgment is received within 30 days of this notification, Power Integrations will assume the change is acceptable. Lack of any additional response within 90 days of this notification further constitutes acceptance of the change.

Power Integrations reserves the right to ship either version manufactured after the effective date.

If you have any questions or need further assistance, please contact your regional Power Integrations sales office. Otherwise, please check the box below, acknowledging the receipt of the PCN.

The indicated Product/Process Change Notification was received by the undersigned authority.

Name/Title: _____

Signature: _____ Date: _____

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CUSTOMER COMMENTS

Please email this signed form to pcn@power.com specifying the PCN# in the subject.