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Control No. PCN-24122

May 3, 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-3	LNK6407D, LNK6407D-TL, LNK6407D0253-TL, LNK6407K, LNK6417D, LNK6417K-TL, LNK6427D, LNK6427K-TL, SC1161D0, SC1161D1, SC1161D2, SC1161DZ, SC1161K0, SC1161K1-TL, SC1161K2, SC1161KZ-TL	SO-8C
LinkSwitch-CV	LNK624DG, LNK624DG-TL, LNK626DG, LNK626DG-TL, LNK626DG0139, LNK626DG0139-TL, LNK626DG0225, LNK626DG0225-TL	SO-8C
	LNK624PG, LNK624PG0004, LNK624PG0105, LNK626PG, LNK626PG0225	PDIP-8C

### QUALIFICATION STATUS

Refer to Appendix 1 for the qualification data.

### EFFECT ON CUSTOMER

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

### EFFECTIVE DATE

August 5, 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 Projects: E233207/E233604

**Project Title: LinkSwitch-3 and LinkSwitch-CV Product Families Lapis-S2 Wafer Fab Qualification**

**Qual Summary:**

Reliability testing was performed to qualify the LinkSwitch-3 and LinkSwitch-CV product families 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-3 and LinkSwitch-CV and thus minimal one-lot qualifications were performed for each product family. One lot of each of LNK6407D (Linkswitch-3) and LNK626DG (Linkswitch-CV) were subjected to 1000 hours of DOPL with passing results. Yield analysis was completed with acceptable results. Based on these results, LinkSwitch-3 and Linkswitch-CV products are qualified for wafer fabrication in the Lapis-S2 wafer fab.

Qualification Vehicles: LNK6407D and LNK626DG

**Reliability Test Descriptions and Conditions**

Test Name	Conditions	Reference Specification
DOPL (Dynamic Operating Life Test)	Tj=125°C, Vd_peak=580V	EIA/JESD22-A108
MSL1 Preconditioning	24-hr 150C bake → 168-hr 85°C, 85% RH soak → 3 passes 260C solder reflow	IPC/JEDEC J-STD-020

**DOPL (Dynamic Operating Life)**

Product Family	Product	Lot #	Wafer Fab	Test Duration	No. Failures/Sample Size
LinkSwitch-3	LNK6407D	CB437F	Lapis-S2	MSL1 + 1000 hours	0 / 45
LinkSwitch-CV	LNK626DG	EFC172A	Lapis-S2	MSL1 + 1000 hours	0 / 45

**Conclusion:** Based on passing qualification results, LinkSwitch-3 and LinkSwitch-CV 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: \_\_\_\_\_

Email Address/Phone#: \_\_\_\_\_

Company/Location: \_\_\_\_\_

CUSTOMER COMMENTS

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Please email this signed form to [pcn@power.com](mailto:pcn@power.com) specifying the PCN# in the subject.