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Control No. PCN-19092

March 18, 2019

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

Power Integrations is adding Lapis Kagoshima, Japan factory for the fabricating of the products listed in this notification. There is no change in the manufacturing process or final test program.

REASON FOR CHANGE

Addition of an alternative production line for increased manufacturing capacity and flexibility.

PRODUCTS AFFECTED

| Product Family | Part Numbers | Package |
|----------------|--|----------|
| LinkSwitch-HP | LNK6663E, LNK6664E, LNK6665E, LNK6666E, LNK6667E, LNK6668E, LNK6669E, LNK6763E, LNK6764E, LNK6765E, LNK6766E, LNK6766E0105, LNK6767E, LNK6768E, LNK6769E, LNK6773E, LNK6774E, LNK6775E, LNK6776E, LNK6777E, LNK6778E, LNK6779E, SC1166E, SC1189E | eSIP-7C |
| | LNK6663K, LNK6664K, LNK6664K1, LNK6665K, LNK6665K1, LNK6666K, LNK6667K, LNK6668K, LNK6669K, LNK6763K, LNK6764K, LNK6765K, LNK6766K, LNK6767K, LNK6767K0190, LNK6768K, LNK6769K, LNK6769K0190, LNK6773K, LNK6774K, LNK6775K, LNK6776K, LNK6777K, LNK6778K, LNK6779K, LNK6779K0190 | eSOP-12B |
| | LNK6663V, LNK6664V, LNK6665V, LNK6666V, LNK6667V, LNK6668V, LNK6669V, LNK6763V, LNK6764V, LNK6765V, LNK6766V, LNK6767V, LNK6768V, LNK6769V, LNK6773V, LNK6774V, LNK6775V, LNK6776V, LNK6777V, LNK6778V, LNK6779V | eDIP-12B |

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.

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EFFECTIVE DATE

June 18, 2019. This date is subject to change. Products assembled at the current wafer fab site will continue to be shipped after implementation of the above change.

SAMPLE AVAILABILITY

Samples will be available 12 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: E184504

Project Title: LinkSwitch-HP Product Family Lapis Kagoshima Wafer Fab Transfer Qual Report
Summary:

Lapis Kagoshima wafer fab was previously qualified for wafer fabrication with the same process technology used by LinkSwitch-HP family of products. One LNK6779E lot was subjected to a full suite of reliability stress tests to qualify all LinkSwitch-HP products at Lapis Kagoshima. All tests were completed with passing results. Yield and temperature characterization were completed with acceptable results.

Based on these results, Lapis Kagoshima is qualified for wafer fabrication of all LinkSwitch-HP products.

Reliability Test Descriptions and Conditions

| Test Name | Conditions | Reference Specification |
|---------------------------------------|---|-------------------------|
| DOPL (Dynamic Operating Life Test) | Ta = 95°C (TJ = 125°C,), Vd(Peak) = 580V | EIA/JESD22-A108 |
| HALT (Humidity Accelerated Life Test) | DOPL at Ta = 85°C, 85% RH, Tj=115°C | Internal Specification |
| HTRB (High Temp Reverse Bias Test) | Ta=150°C; off-state bias, Vd = 580V | EIA/JESD22-A108 |
| THBT (Temperature Humidity Bias Test) | 85°C, 85% RH; off-state bias, Vd = 30V | EIA/JESD22-A101 |
| TMCL (Temperature Cycle) | -40°C to +125°C, air-to=air | EIA/JESD22-A104 |
| High Temperature Storage Life (HTSL) | Ta=150°C; unbiased | EIA/JESD22-A103 |

Dynamic Operating Life Test (DOPL)

| Device | Assy Lot | Wafer Lot | Package/Assy Site | Total Hours | Results (Rej/SS) |
|----------|----------|-------------------------|-------------------|-------------|------------------|
| LNK6779E | 7S332A | DM249A1 Lot ADB990-001J | eSIP-7C/UTL | 1000 | 0 / 47 |

High Temperature Reverse Bias (HTRB)

| Device | Assy Lot | Wafer Lot | Package/Assy Site | Total Hours | Results (Rej/SS) |
|----------|----------|-------------------------|-------------------|-------------|------------------|
| LNK6779E | 7S332A | DM249A1 Lot ADB990-001J | eSIP-7C/UTL | 1000 | 0 / 47 |

Humidity Accelerated Life Test (HALT)

| Device | Assy Lot | Wafer Lot | Package/Assy Site | Total Hours | Results (Rej/SS) |
|----------|----------|-------------------------|-------------------|-------------|------------------|
| LNK6779E | 7S332A | DM249A1 Lot ADB990-001J | eSIP-7C/UTL | 1000 | 0 / 20 |

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Temperature / Humidity Bias (THBT)

| Device | Assy Lot | Wafer Lot | Package/Assy Site | Total Hours | Results (Rej/SS) |
|----------|----------|-------------------------|-------------------|-------------|------------------|
| LNK6779E | 7S332A | DM249A1 Lot ADB990-001J | eSIP-7C/UTL | 1000 | 0 / 47 |

Temperature Cycling (TMCL)

| Device | Assy Lot | Wafer Lot | Package/Assy Site | Total Cycles | Results (Rej/SS) |
|----------|----------|-------------------------|-------------------|--------------|------------------|
| LNK6779E | 7S332A | DM249A1 Lot ADB990-001J | eSIP-7C/UTL | 1700 | 0 / 47 |

High Temperature Storage Life (HTSL)

| Device | Assy Lot | Wafer Lot | Package/Assy Site | Total Hours | Results (Rej/SS) |
|----------|----------|-------------------------|-------------------|-------------|------------------|
| LNK6779E | 7S332A | DM249A1 Lot ADB990-001J | eSIP-7C/UTL | 1000 | 0 / 47 |

Conclusion: Based on passing qualification results, Lapis Kagoshima is qualified for wafer fabrication of all LinkSwitch-HP products.

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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

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

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