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Control No. PCN-22031

March 3, 2022

PRODUCT/PROCESS CHANGE NOTIFICATION

TYPE OF CHANGE: Design Manufacturing Other: For Information Only

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

DESCRIPTION OF CHANGE

Hua Yang will be added as an alternative leadframe supplier for the products listed in Appendix 1.

There is neither change in the data sheets nor the manufacturing processes of the affected products.

REASON FOR CHANGE

For increased manufacturing capacity and flexibility.

PRODUCTS AFFECTED

See Appendix 1

QUALIFICATION STATUS

Please refer to Appendix 2 for the qualification data.

EFFECT ON CUSTOMER

No adverse impact in manufacturers' applications is expected.

EFFECTIVE DATE

Immediate

SAMPLE AVAILABILITY

Not Applicable

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The information in this report contains confidential and proprietary information of Power Integrations and its manufacturing partners. By receiving this report, the customer agrees to use this information for the sole purpose of addressing the issues reviewed in this report and to keep the contents confidential. If it becomes necessary for the customer to disclose this information to a third party, a non-disclosure agreement, which provides reasonable and customary protection for the disclosed information, must be executed.

APPENDIX 1

Product Family	Ordering Part Number	Package
LinkSwitch-II	LNK603PG, LNK603PG0004, LNK603PG0209, LNK604PG, LNK604PG0004, LNK605PG, LNK605PG0004, LNK605PG0054, LNK606PG, LNK613PG, LNK614PG, LNK615PG, LNK616PG, LNK623PG, LNK623PG0209, LNK624PG, LNK624PG0004, LNK624PG0105, LNK625PG, LNK626PG, LNK626PG0004, LNK626PG0105, LNK626PG0152	PDIP-8C
LinkSwitch-TN2	LNK3202P, LNK3204P, LNK3205P, LNK3206P, LNK3207P, LNK3294P, LNK3296P	PDIP-8C
LinkSwitch-XT2	LNK3604P, LNK3694P, LNK3696P	PDIP-8C
TinySwitch-III	TNY279PN0164, TNY279PG0179, TNY279PN0242, TNY279PN0246, TNY280PG, TNY280PN, TNY280PN0004, TNY280PN0105, TNY280PN0152, TNY280PN0164, TNY280PN0179, TNY280PN0242, TNY280PN0246	PDIP-8C
TinySwitch-4	TNY284PG, TNY285PG, TNY285PG0004, TNY286PG, TNY287PG, TNY288PG, TNY288PG0004, TNY288PG0164, TNY288PG0246, TNY289PG, TNY290PG, TNY290PG0105	PDIP-8C
TinySwitch-LT	TNY174PG, TNY174PN, TNY175PG, TNY175PN, TNY176PG, TNY176PN, TNY176PN0005, TNY176PN0164, TNY176PN0004, TNY176PN0242, TNY177PG, TNY177PN, TNY177PN0242, TNY178PG, TNY178PN, TNY178PN0242, TNY178PN0260, TNY179PN0004, TNY179PN0242, TNY180PN0004, TNY180PN0164, TNY180PN0166, TNY180PN0242	PDIP-8C
TinySwitch-PK	TNY380PN, TNY380PN0152	PDIP-8C
TOPSwitch-HX	TOP252PG, TOP252PN, TOP253PN0237, TOP254PG, TOP254PN, TOP254PN0105, TOP255PG, TOP255PN, TOP257PG, TOP257PN, TOP258PG, TOP258PN, OP258PN0004, TOP258PN0054	PDIP-8C

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Reliability Engineering
Qualification Report

Qualification Project: P215008

Project Title: Qualification of Hua Yang Leadframe for PDIP-8C package
Qual Summary: Based on passing reliability stress test results, Hua Yang leadframe is qualified for assembly in the PDIP-8C package.
Qualification Vehicle: TNY290PG

Reliability Test Descriptions and Conditions

Test Name	Conditions	Reference Specification
TMCL (Temperature Cycling, Air to Air)	-65°C to +150°C, air to air	EIA/JESD22-A104
HTSL (High Temperature Storage Life)	Ta=150°C, unbiased	EIA/JESD22-A103

TMCL (Temperature Cycling)

Product	Lot #	Package	Test Duration	Failures/Sample Size
TNY290PG	BJ335B	PDIP-8C	1000 cycles	0 / 45
TNY290PG	BK683A	PDIP-8C	1000 cycles	0 / 45
TNY290PG	BK686A	PDIP-8C	1000 cycles	0 / 45

HTSL (High Temperature Storage Life)

Product	Lot #	Package	Test Duration	Failures/Sample Size
TNY290PG	BJ335B	PDIP-8C	1000 hours	0 / 45
TNY290PG	BK683A	PDIP-8C	1000 hours	0 / 45
TNY290PG	BK686A	PDIP-8C	1000 hours	0 / 45

Conclusion:

Based on passing qualification results, Hua Yang is qualified as an alternative leadframe supplier for PDIP-8C package-.

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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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