

Control No. PCN-22101

January 20, 2023

PRODUCT/PROCESS CHANGE NOTIFICATION

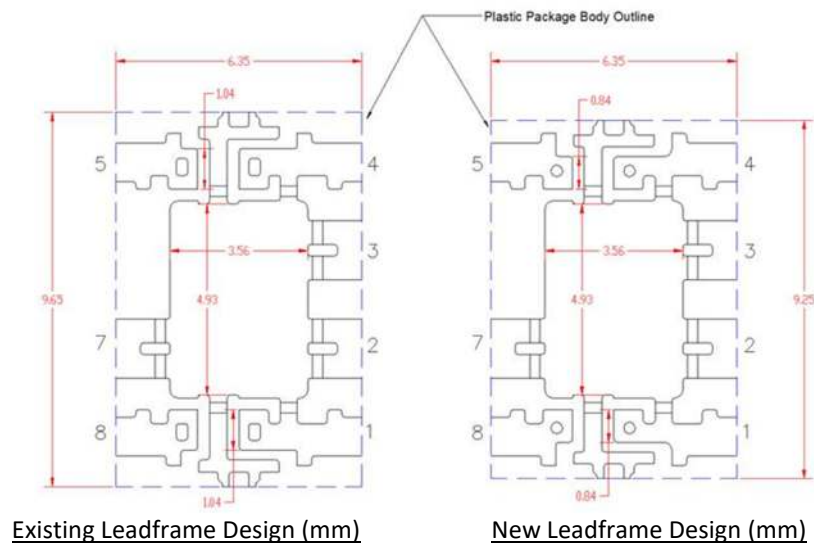
TYPE OF CHANGE: ☐ Design ☐ Manufacturing ☒ For Information Only

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

An existing qualified leadframe supplier, Hua Yang, will be added as an alternative leadframe supplier for 140x200 mil PDIP-8B package for the LinkSwitch products listed in below.

This leadframe internal design configuration will remain the same as shown in the figure below, but there will be some small dimensional changes to inner lead features that will not affect fit, functionality or performance of the product. The plastic body length will also change as shown in the figure, but the new dimension is still within our datasheet package drawing tolerances.



REASON FOR CHANGE

For increased manufacturing capacity and flexibility.

PRODUCTS AFFECTED

LNK500PN, LNK501PN, LNK520PN

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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.

QUALIFICATION STATUS

Please refer to Appendix 1 for the qualification data.

EFFECT ON CUSTOMER

No adverse impact on manufacturers' applications is expected.

EFFECTIVE DATE

Immediate. Both leadframe versions will be shipped during the transition period.

SAMPLE AVAILABILITY

Not Required

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Appendix 1
Reliability Engineering
Qualification Report

Qualification Project: P221406

Project Title: Hua Yang PDIP-8B Leadframe Qualification for LinkSwitch Products
Qual Summary: Reliability testing was performed to qualify the Hua Yang 140x200 mil PDIP-8B leadframe for use with LinkSwitch products. One qualification lot of LNK500PN was subjected to HTSL and TMCL with passing results obtained. Yield analysis and assembly-level testing were completed with acceptable results. Based on these results, LinkSwitch products (see the Products Affected list above) are qualified for assembly using the Hua Yang leadframe.
Qualification Vehicles: LNK500PN

Reliability Test Descriptions and Conditions

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

TMCL (Temperature Cycling)

Product	Lot #	Leadframe	Test Duration	Failures/Sample Size
LNK500PN	BP933J	Hua Yang 140x200 mil PDIP-8B	1000 cycles	0 / 45

HTSL (High Temperature Storage Life)

Product	Lot #	Leadframe	Test Duration	Failures/Sample Size
LNK500PN	BP933J	Hua Yang 140x200 mil PDIP-8B	1000 hours	0 / 45

Conclusion: Based on passing qualification results, LinkSwitch products (see the Products Affected list above) are qualified for assembly in the PDIP-8B package using the Hua Yang 140x200 mil leadframe.

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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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