

Control No. PCN-16431

December 2, 2016

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

Eliminate a redundant wire each at pins 9 and 10. The current eSOP-R products were introduced with dual wires at pins 9 and 10 for extra mechanical strength during the assembly process. Based on extensive evaluations, it was determined that single wires at pins 9 and 10, as shown in Figure 2, are adequate to achieve the same mechanical strength.

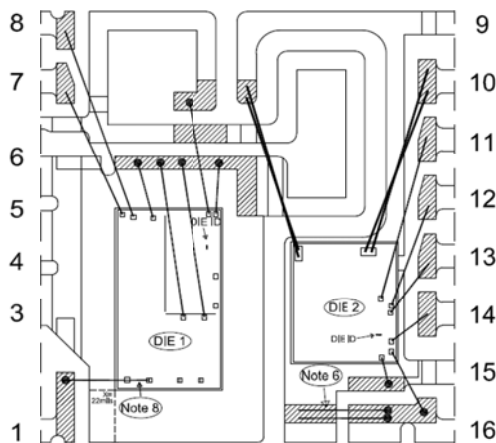


Figure 1: Current Bonding Diagram

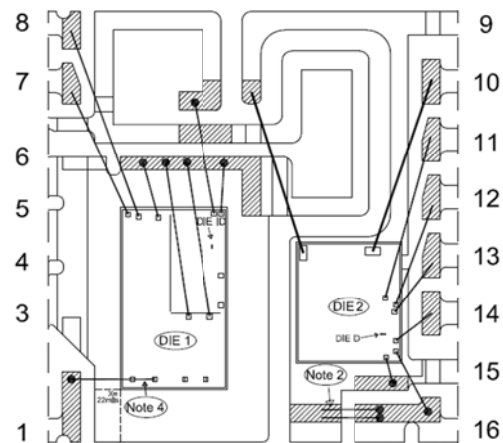


Figure 2: New Bonding Diagram

REASON FOR CHANGE

This change reduces manufacturing variability.

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PRODUCTS AFFECTED

Product Family	Part Numbers
InnoSwitch™	SC1205K1, SC1221K, SC1222K, SC1223K, SC1224K, SC1225K, SC1226K, SC1227K, SC1229K, SC1229K1, SC1251K, SC1252K0184, SC1252K1, SC1253K, SC1255K, SC1259K, SC1262K, SC1262K0191, SC1271K
InnoSwitch™-CH	INN2003K, INN2004K, INN2005K, INN2005K0044, INN2023K, INN2024K, INN2025K
InnoSwitch™-CE	INN2103K, INN2104K, INN2105K, INN2123K, INN2124K, INN2125K
InnoSwitch™-CP	INN2214K, INN2215K
InnoSwitch™-EP	INN2603K, INN2604K, INN2605K, INN2904K
SCALE-iDriver	SID1132K, SID1152K, SID1182K

QUALIFICATION STATUS

Product	Lot number	Qty	Assembly Validation
SC1229K1-TL	M5C430D	23,601	Assembly Process Data - Wire Pull, Ball Shear and Loop Height passed. No significant difference between Dual and Single Wires
SC1229K1-TL	M5C269E	23,256	
SC1229K1-TL	M5C628A/B/C/D	55,413	
	Total	101,730	

Electrical characterization data also confirms that there is no significant difference between dual and single wires.

EFFECT ON CUSTOMER

The change to single wire at pins 9 and 10 does not affect form, fit, function of the eSOP-R products and no adverse impact is expected in manufacturers' applications. There will be no change in the functionality of the products. The product will be guaranteed to meet the datasheet limits.

EFFECTIVE DATE

March 2, 2017. This date is subject to change. Products with the above changes may begin to be shipped after the effective date without further notice unless alternate arrangements have been made per mutual agreement between the company and the customer. Products built before the change may continue to be shipped until the stock runs out.

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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 until the inventory of the earlier version has been depleted.

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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