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October 27<sup>th</sup>, 2023

**PCN # ESW490-55 – ISOPLUS220 New Leadframe Tooling Supplier**

To our valued customers,

Littelfuse wants to inform you that we have qualified a New Leadframe Tooling Supplier for ISOPLUS220 Package Products to address delivery issues due to Leadframe shortage. The selected supplier is strategically located near the ISOPLUS220 Assembly Site and is an existing supplier for other Power Semi packages of Littelfuse. Our target is to establish business continuity and provide seamless support for ISOPLUS220 Package Products meeting the highest quality standards.

Below are the detailed changes associated with ISOPLUS220 New Leadframe Tooling Supplier:

- 1) **Leadframe Supplier** : Please refer to below details.
- 2) **Leadframe Material** : No change
- 3) **Dimensional Changes** : No change

Point of Comparison	Old Leadframe Supplier	New Leadframe Supplier	RISK
Leadframe Supplier	SDI Taiwan	Haesung Philippines	Low risk

**For ISOPLUS220 Package Products:**

- Form, fit, function changes** : None
- Part number changes** : None
- Effective date** : Nov 3<sup>rd</sup>, 2023
- Replacement products** : N/A
- Last time buy** : N/A

## 1.0 Qualification Test Result

All samples passed parametric and reliability test standard by Littelfuse/IXYS.

PACKAGE/ DEVICE	REL-TEST	CONDITIONS	SAMPLE SIZE PER LOT	STATUS	RESULT
ISOPLUS220/ DPG10P400PJ	TC	100 cycles, -55/+150°C	20	Finished	Completed: Passed reliability
	uHAST	96hrs, 131°C, 85%r.H.	20	Finished	Completed: Passed reliability
	RthJH	I <sub>m</sub> = 10mA, t <sub>p</sub> = 20 sc, I = 12A	3	Finished	Completed: Passed reliability

### **Recommendations & Conclusions:**

Based on the above qualification tests results, Littelfuse/IXYS has determined that the New Leadframe Tooling Supplier for ISOPLUS220 Package Products meets the release criteria and the results have been successfully completed and verified by qualification tests.

Littelfuse released the ISOPLUS220 New Leadframe Tooling Supplier to production.

This notification is for your information and acknowledgement. If you have any other questions or concerns, please contact your local sales team or Salvador M. Cortez Jr., Product Marketing Engineer for Power Bipolar Discrete.

We value your business and look forward to assisting you whenever possible.

Thank you very much!

Best Regards,

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