

Littelfuse, Inc.
8755 West Higgins Road, Suite 500
Chicago, IL 60631 USA
(773) 628-1000
www.littelfuse.com

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Product Change Notification for Littelfuse Discrete MOSFETs

Dear valued customers,

Littelfuse would like to inform you of a change to the front-end manufacturing process for the discrete MOSFET part numbers IXFN56N90P and IXFN32N120P.

DESCRIPTION OF CHANGE:

Qualification and addition of alternative epi source:

New epitaxial (epi) wafer sources have been qualified as alternative epi for the front-end manufacturing process for the discrete MOSFET part numbers IXFN56N90P and IXFN32N120P. This change is a part of a strategic initiative to enhance production flexibility, improve supply chain robustness, ensure long-term supply continuity, and support future capacity expansion.

Details of the qualified alternative epi and qualification summary is provided in **APPENDIX A**.

Form, fit, function changes: Littelfuse does not anticipate any change in form/fit/function of the affected part number.

Further changes, if any, shall be conveyed in a timely manner.

Sample availability: Qualified samples based on the alternative epi source are available upon request for customer electrical validation and qualification. Please contact your sales representative to arrange sample delivery.

Implementation: Delivery of the parts using the qualified new alternative epi source will start from December 2026 onwards.

Please acknowledge receipt of this PCN. In your acknowledgement, you can grant approval or request additional information. If no acknowledgment or response is received within 30 days from the date of this PCN, Littelfuse will consider the change acceptable.

If you have any additional questions or concerns, please contact the product line owner below or your regional sales representative.

Best Regards,

Sachin Shridhar Paradkar
Product Marketing Engineer
Discrete MOSFETs
Littelfuse Europe GmbH Germany
sparadkar@littelfuse.com

APPENDIX A: Details of alternative epi wafer and qualification summary

A) IXFN56N90P

Existing epitaxial wafer: IXCN74, produced by RTE (Littelfuse, Texas)

Qualified alternative epitaxial wafer: IXWN74, produced by WaferWorks (Taiwan)

WaferWorks is already a qualified supplier to Littelfuse for other epi types for MOSFET/IGBT products.

IXWN74 qualification summary		
Test	Condition	Result
HTRB	1000 hours, MIL-STD-750-1 M1038 Method A	PASS
HTGB	1000 hours, JESD22 A108; 150°C	

B) IXFN32N120P

Existing epitaxial wafer: IXCN99, produced by RTE (Littelfuse, Texas)

Qualified alternative epitaxial wafer: IXLN99, produced by QL Electronics (China)

IXLN99 epi from QL Electronics is already qualified and in mass production of other MOSFET products of the same product family.

IXLN99 qualification summary		
Test	Condition	Result
HTRB	1000 hours, MIL-STD-750-1 M1038 Method A	PASS
HTGB	1000 hours, JESD22 A108; 150°C	