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LFPCN-DM-FE-2025-002/01

Product Change Notification for Littelfuse Discrete MOSFETs

Dear valued customers,

Littelfuse would like to inform you of a change to the front-end manufacturing for the discrete MOSFET part number IXFB44N100P.

DESCRIPTION OF CHANGE:

The front-end manufacturing for IXFB44N100P will transition from its current facility to the in-house fabrication facility in Dortmund, Germany. This change is part of a strategic initiative to optimize production efficiency, ensure long-term supply continuity, and support future capacity expansion.

A summary of the reliability data for IXFB44N100P 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 from the in-house front-end facility are available upon request for electrical evaluation and validation. Please contact your sales representative to arrange sample delivery.

Production delivery timeline: Delivery of the parts produced from the in-house front-end facility will start after 10th February 2026.

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,

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APPENDIX A: Reliability Data Summary

Test	Condition	Result
HTRB	745 hours, 125°C, 800 V DC	PASS
HTGB	1008 hours, 150°C, $V_{GS} = \pm 24$ V	
Temperature Cycle	250 cycles, -55°C/150°C, glued on heatsink	
uHAST	96 hours, 130°C, 85% r.H, pressure 0.23 MPa, 48 hours recovery time at room temperature.	
IOL	$V_{DS} = 11$ V, Total Power = 8 W, $\Delta T_j \geq 100^\circ$ C, T max. 125° C, T min. 25° C, t (on) = 90 s, t(off) = 140 s.	