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November 14th, 2023

LFPCN2311003SXC

Addition of a new in-house assembly location for Littelfuse high voltage BiMOSFET in ISOPLUS i4 pak

Dear valued customers and partners,

Littelfuse would like to notify the addition of a new in-house assembly location for its line of high voltage BiMOSFETs in isolated ISOPLUS i4 pak packages. The new assembly location will improve our supply chain efficiency and our service levels to customers.

Concerned part numbers

IXBF22N300, IXBF32N300, IXBF42N300, IXBF55N300

Summary of the changes associated to the new assembly location:

Future production locations: current location and new location

Country of origin for the new location: Philippines

Effective Date: November 1st, 2023

Form, fit, function changes: none

Part number change: none.

Bill of Material: full tin pin plating in the new location, no other changes

Assembly Process Flow: no change.

Assembly Equipment: equal or better.

Marking & Labeling: some differences. Please refer to the details in appendix A.

Packing: some differences. Please refer to the details in appendix A.

Please contact your Regional Sales representative or Field Application Engineer for any inquiry or further details.

Best Regards,
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Appendix A:

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Summary of changes

Package Outline Dimension:

Within existing datasheet limits.

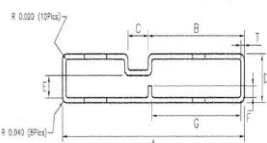
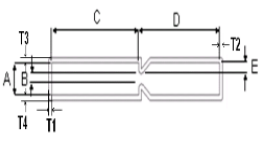
Markings

| Description | Existing location | New location | Change |
|---------------------|---|--|--------|
| Unit Marking | | | |
| Logo |  |  | Y |
| UL Logo | No UL Logo | With UL Logo | Y |
| Isoplus Trademark | None | With trademark | Y |
| Partname | Device Name | Device Name | N |
| Date Code | FPMDDYY | YYWW | Y |
| Assembly line code | P | M | Y |
| Lot # | Fab lot ID | Lipa Lot # | Y |
| Tube Label | | | |
| Logo |  |  | Y |
| Qty per tube | 25 | 25 | N |
| Part Number | Device Name | Device Name | N |
| Lot No | Fab Lot ID | Lipa Lot ID format | Y |
| Country of Origin | Yes | Yes | N |
| Code Type | Barcode | Barcode + 2D Code | Y |
| Date Code | None | YYWW | Y |
| Assembly line code | None | M | Y |
| Box Label | | | |
| RoHS Label |  |  | Y |
| Logo |  |  | Y |
| Qty per Box | 250 | 250 | N |
| Part Number | Device Name | Device Name | N |
| Lot No | Fab Lot ID | Lipa Lot ID format | Y |
| Country of Origin | Yes | Yes | N |
| Code Type | 1DBarcode | 1Barcode + 2D Code | Y |
| Date Code | None | YYWW | Y |
| Assembly line code | None | M | Y |

Bill of Material

| ASSEMBLY COMPONENT | Change |
|----------------------|---------------------|
| Die | No |
| DCB | No |
| Lead frame | No |
| Solder Material | No |
| Wire | No |
| Molding Compound | No |
| Pin plating material | Yes (new: pure tin) |

Packing

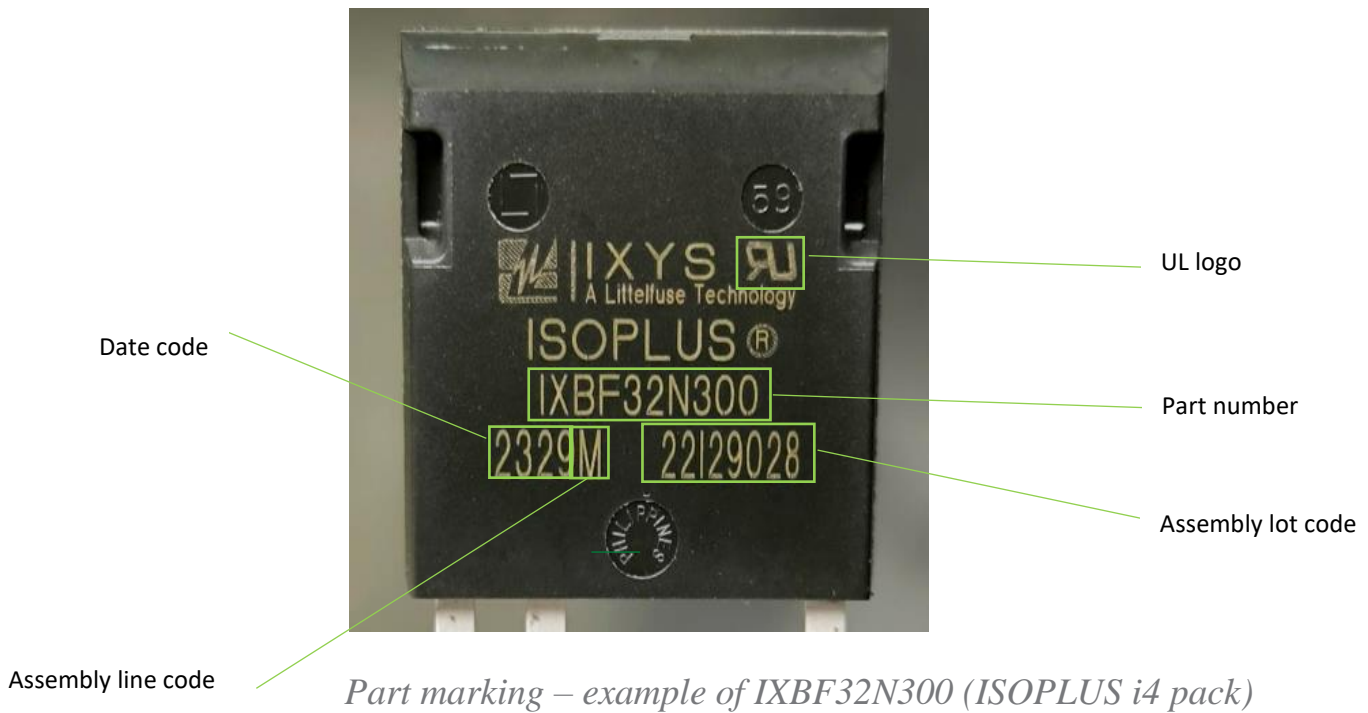
| PARAMETERS | EXISTING LOCATION | NEW LOCATION | Difference |
|------------------------|---|--|------------|
| Shipping Tube | | | |
| Length, mm | 20.95 - 21.05 | 20.95 - 21.05 | No |
| Width, mm | 1.79 - 1.81 | 1.79 - 1.81 | No |
| Height, mm | 0.32 - 0.34 | 0.28 - 0.33 | Yes |
| Material Thickness, mm | 0.03 | 0.03 | No |
| Tube Opening, mm | 0.26 x 1.74 | 0.24 x 1.75 | Yes |
| Quantity per tube | 25 | 25 | No |
| Anti-static | Yes | Yes | No |
| End Plug | | | |
| Design |  |  | Yes |

Reliability test results

A summary of reliability test results is available on request.

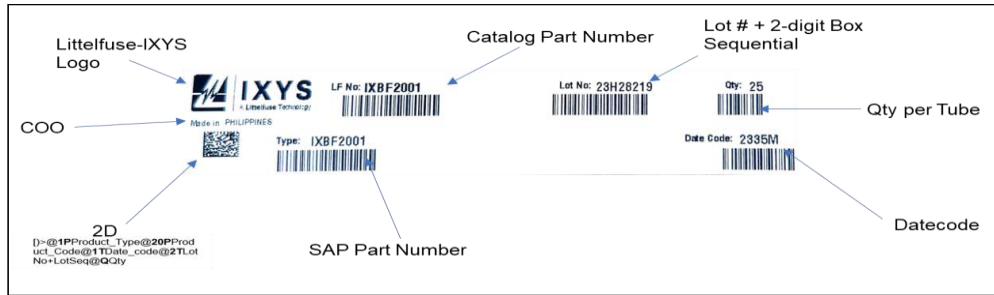
Example of marking and labels - new manufacturing location

New location part markings

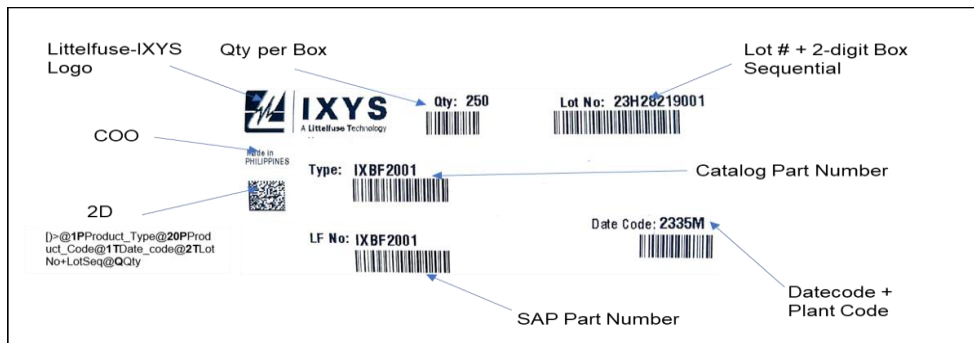


New location labels

Tube label



Inner box label



RoHS label

