

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

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**May 21, 2025**

**LFPCN-DI-BE-2025-004/01**

**Backend manufacturing site change for IXDN75N120 (SOT-227) to the in-house assembly facility (SBU-Lipa)**

Dear Valued Customers,

Littelfuse would like to inform you about a change in the backend assembly site for the IXDN75N120.

**Description of Change:**

Details regarding device marking, box and tube labeling, bill of materials, and reliability summary can be found in Appendix A.

**Form, Fit, and Function Changes:**

Littelfuse does not anticipate any changes to the form, fit, or function of the product.

**Country of Origin Update:**

- Current: South Korea
- New: Philippines

**This change will take effect immediately.**

If you have any questions or concerns, please feel free to contact me or your Regional Sales Manager.

Siva Prasad Nalamaru  
Product Marketing Engineer  
Discrete IGBTs  
Littelfuse Europe GmbH, Germany

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Rowena Dalisay  
Product Management Analyst  
Discrete IGBTs  
Littelfuse Philippines

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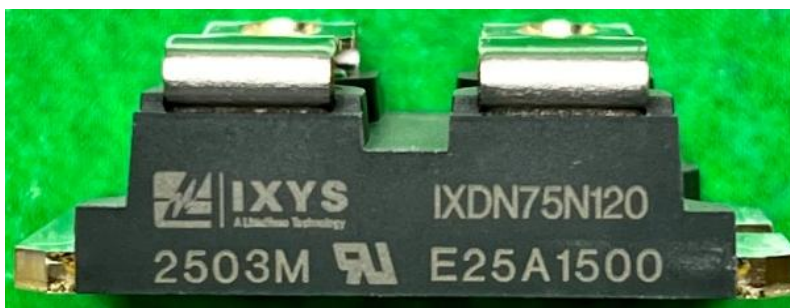
## APPENDIX A: Comparison and Change Description

### 1. Comparison: Device Marking

#### a. Packages: SOT-227

| DESCRIPTION        | EXISTING LOCATION                                                                 | SBU-LIPA                                                                          | CHANGE (Y/N) | REMARKS                   |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|---------------------------|
| Logo               |  |  | Y            | Change to Littelfuse Logo |
| UL Sign            | Yes                                                                               | Yes                                                                               | N            | No change                 |
| Product Name       | Yes                                                                               | Yes                                                                               | N            | No change                 |
| Date Code          | YYWW                                                                              | YYWW                                                                              | N            | No change                 |
| Assembly Line Code | S                                                                                 | M                                                                                 | Y            | Site location code        |
| Lot ID             | Existing Lot ID format                                                            | Lipa Lot ID format                                                                | Y            | Lipa used Lipa format     |

#### SBU - LIPA LASER MARKING



## 2. Comparison: Inner Box and Tube Labeling

### a. Inner Box Labeling

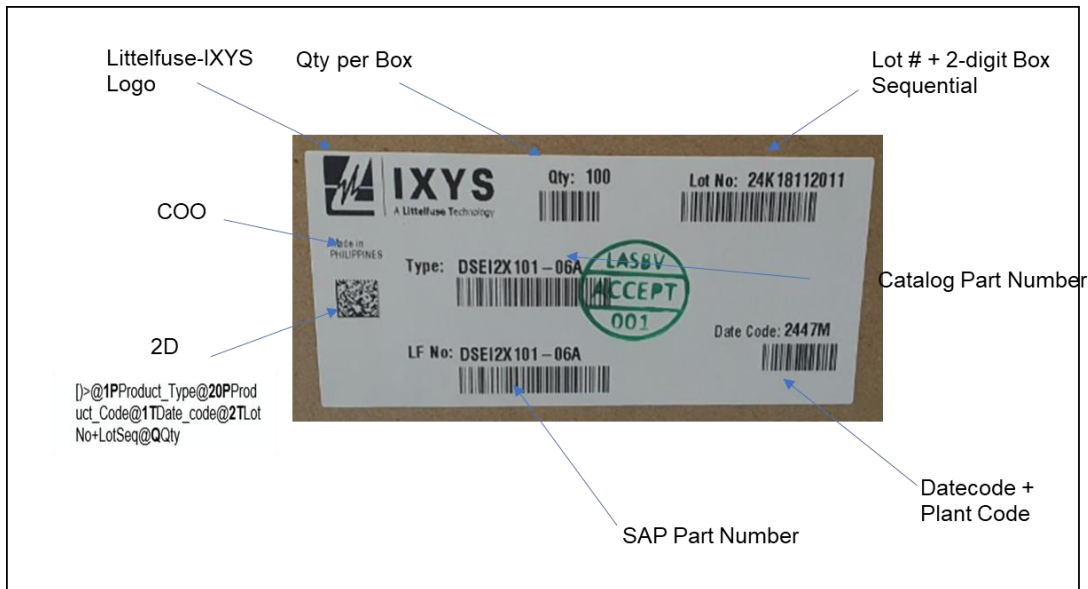
| DESCRIPTION       | EXISTING LOCATION                                                                 | SBU-LIPA                                                                          | CHANGE (Y/N) | REMARKS                                         |
|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-------------------------------------------------|
| RoHS Label        |  |  | Y            | Have printed RoHS compliance label for SBU-Lipa |
| Logo              |  |  | N            | No change                                       |
| Qty per Box       | 100                                                                               | 100                                                                               | N            | No change                                       |
| Part Number       | Yes                                                                               | Yes                                                                               | N            | No change                                       |
| Lot No            | Existing Lot ID format                                                            | Lipa Lot ID format                                                                | Y            | SBU-Lipa uses global format                     |
| Country of Origin | Yes                                                                               | Yes                                                                               | N            | No change                                       |
| Code Type         | Barcode + 2D Code                                                                 | Barcode + 2D Code                                                                 | N            | No change                                       |
| Date Code         | Yes                                                                               | Yes                                                                               | N            | No change                                       |
| Assy Line Code    | S                                                                                 | M                                                                                 | Y            | Site location code                              |

### b. Tube Labeling

| DESCRIPTION       | EXISTING LOCATION                                                                   | SBU-LIPA                                                                             | CHANGE (Y/N) | REMARKS                     |
|-------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------|-----------------------------|
| Logo              |  |   | N            | No change                   |
| Qty per tube      | 10                                                                                  | 10                                                                                   | N            | No change                   |
| Part Number       | Yes                                                                                 | Yes                                                                                  | N            | No change                   |
| Lot No            | SPS Lot ID format                                                                   | Lipa Lot ID format                                                                   | Y            | SBU-Lipa uses global format |
| Country of Origin | Yes                                                                                 | Yes                                                                                  | N            | No change                   |
| Code Type         | Barcode + 2D Code                                                                   | Barcode + 2D Code                                                                    | N            | No change                   |
| Date Code         | Yes                                                                                 | Yes                                                                                  | N            | No change                   |
| Assy Line Code    | S                                                                                   | M                                                                                    | Y            | Site location code          |
| Actual tube photo |  |  | Y            | With IXYS Littelfuse Logo   |

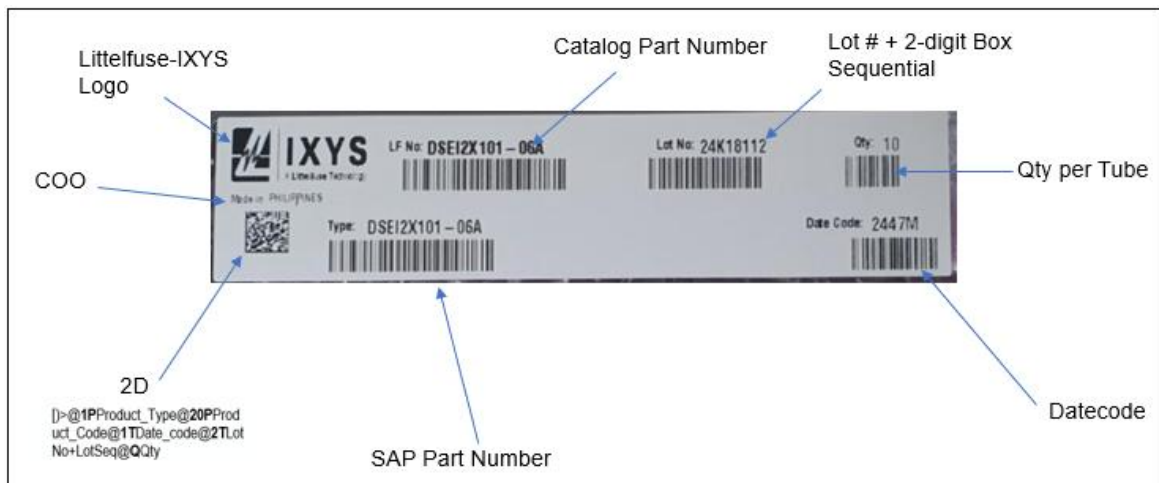
### c. Label Comparison

#### SBU - LIPA BOX LABEL



Note: Sample Label using SOT-227 Package

#### SBU - LIPA TUBE LABEL



Note: Sample Label using SOT-227 Package

### Existing OSAT - BOX and TUBE Label



### d. Tube Dimensions

| Point of Comparison    | Existing OSAT                                                                       | SBU-LIPA                                                                            | GAP    | RISK                              |
|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|-----------------------------------|
| Length, mm             | 529.7 - 532.3                                                                       | 531 - 533                                                                           | Yes    | Low risk. Gap is not significant. |
| Width, mm              | 52.3 - 52.9                                                                         | 52.5 - 53.1                                                                         | Yes    | Low risk. Gap is not significant. |
| Height, mm             | 7.57 - 7.63                                                                         | 7.57 - 7.63                                                                         | No gap | No risk                           |
| Material Thickness, mm | 0.77 - 0.83                                                                         | 0.77 - 0.83                                                                         | No gap | No risk                           |
| Tube Opening, mm       | 6 x 51                                                                              | 6 x 51                                                                              | No gap | No risk                           |
| Quantity               | 25                                                                                  | 25                                                                                  | No gap | No risk                           |
| Anti-static            | Yes                                                                                 | Yes                                                                                 | No gap | No risk                           |
| Design                 |  |  | No gap | No risk                           |

### 3. Bill of Materials

| ASSEMBLY COMPONENT | CHANGE vs existing and new location<br>Yes/ No | RISK     | REMARKS                                                                      |
|--------------------|------------------------------------------------|----------|------------------------------------------------------------------------------|
| Die                | No                                             | No risk  | No Gap                                                                       |
| DCB/SUBSTRATE      | No                                             | No risk  | No Gap                                                                       |
| Connector          | Yes                                            | Low risk | New padless design (standard foot length). Material properties are the same. |
| Solder Material    | No                                             | No risk  | No Gap                                                                       |
| Wire               | No                                             | No risk  | No Gap                                                                       |
| Molding Compound   | Yes                                            | No risk  | New mold compounds is dechlorane free. Kyocera KE300TS-1-1V                  |
| Screw              | No                                             | No risk  | No Gap                                                                       |
| Nut                | No                                             | No risk  | No Gap                                                                       |

### 4. Reliability Data Summary

Reliability passed