

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

2/23/2024

LFPCN2402002SXC

Addition of a new in-house assembly location for Littelfuse high voltage XPT and NPT IGBT in ISOPLUS i4 pac.

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 XPT and NPT IGBT in isolated ISOPLUS i4 pac packages. The new assembly location will improve our supply chain efficiency and our service levels to customers.

Affected part numbers.

- ➔ **NPT IGBT:** IXGF32N170, IXGF20N250, IXGF25N250, IXGF20N300, IXGF36N300, IXGF30N400, IXGF1947
- ➔ **XPT IGBT:** IXYP30N450, IXYP40N450, IXYP16N250CV1, IXYP30N170CV1

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: Feb 1st, 2024

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,
Francois Perraud
Product Marketing Manager, SiC and multichip discrete
Littelfuse, Inc.
FPerraud@Littelfuse.com

Appendix A:

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Summary of changes

Package Outline Dimension:

Within existing datasheet limits.

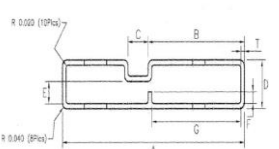
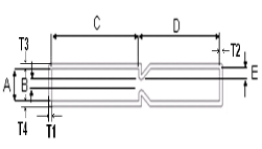
Markings

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	Barcode	Barcode + 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

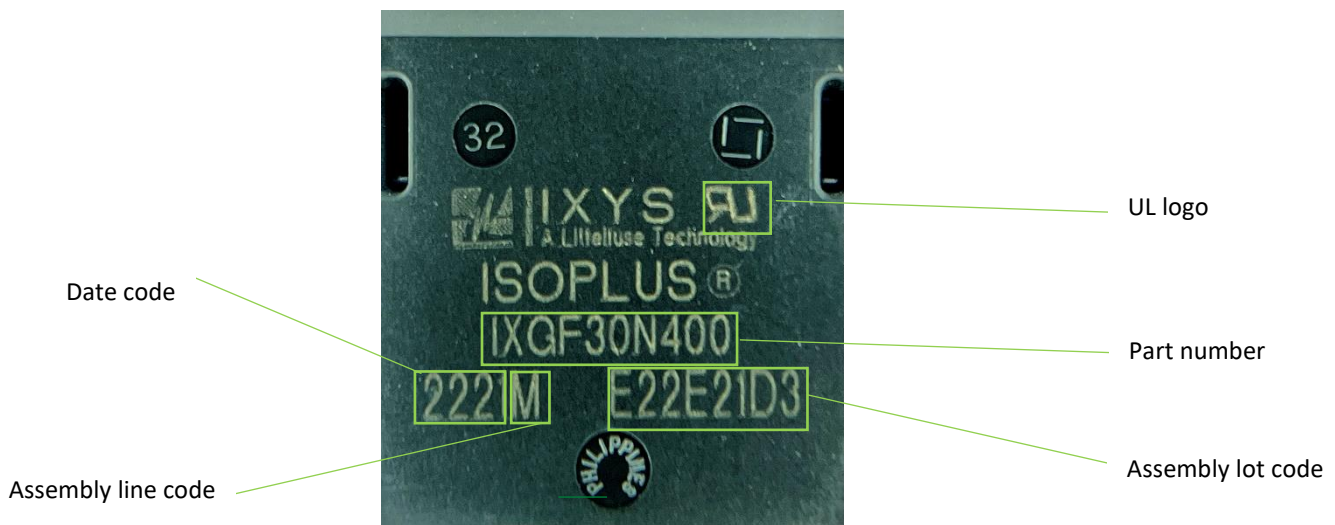
PARAMETERS	EXISTING LOCATION	NEW LOCATION	Difference
Shipping Tube			
Length, mm	20.95 - 21.05	20.95 - 21.05	No
Width, mm	1.79 - 1.81	1.79 - 1.81	No
Height, mm	0.32 - 0.34	0.28 - 0.33	Yes
Material Thickness, mm	0.03	0.03	No
Tube Opening, mm	0.26 x 1.74	0.24 x 1.75	Yes
Quantity per tube	25	25	No
Anti-static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

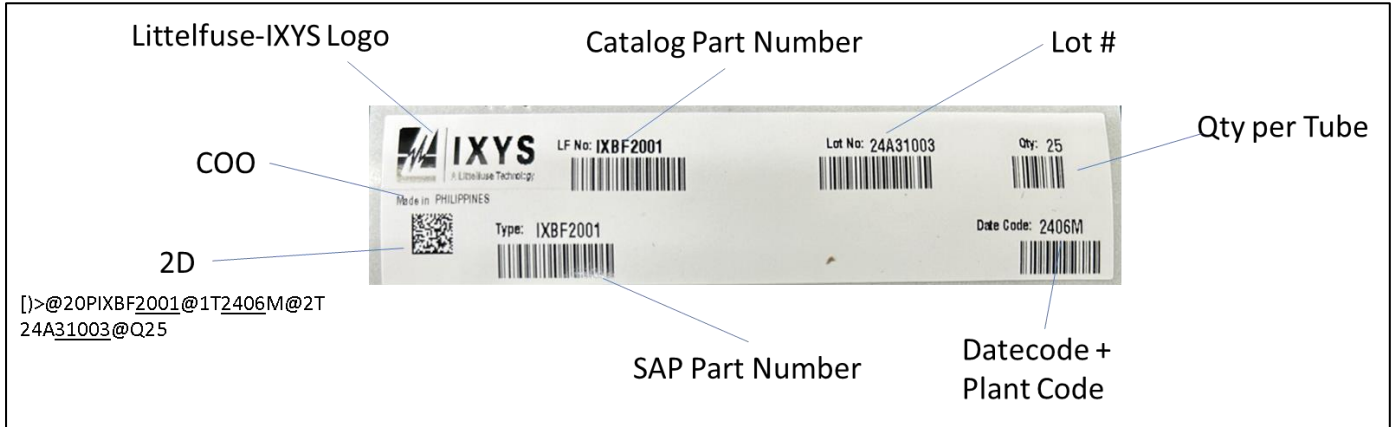
New location part markings



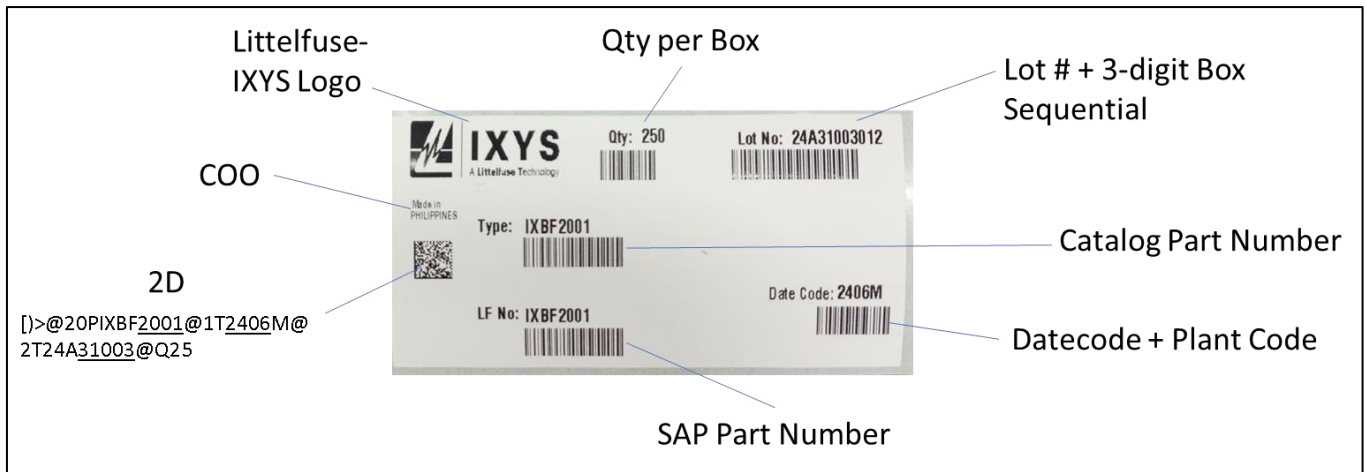
Part marking – example of IXGF30N400 (ISOPLUS i4 pack)

New location labels

Tube label



Inner box label



RoHS label

