

**CN-202311014F**

## Quality



## Release of Additional Trench 6 MOSFET Products from Wingskysemi

|           |             |                              |          |                |
|-----------|-------------|------------------------------|----------|----------------|
| [ ] Wafer | [ ] Assembl |                              |          |                |
| Fab       | y           |                              |          |                |
| Process   | Process     | [ ] Product Marking          | [X] Test | [ ] Design     |
| [ ] Wafer | [ ] Assembl | [ ] Mechanical               | Location | [ ] Errata     |
| Fab       | y           | Specification                | [ ] Test | [ ] Electrical |
| Material  | Materials   | [ ] Packing/Shipping/Labelin | Process  | spec./Tes      |
| s         | [ ] Assembl | g                            | [ ] Test | t              |
| [X] Wafer | y           |                              | Equipmen | coverage       |
| Fab       | Location    |                              |          |                |
| Location  |             |                              |          |                |

## Details of this change

Following on from notification CN-202308010F Nexperia are improving supply security by releasing additional Trench 6 LPAK56 (SOT669) and LPAK56D (SOT1205) types having wafer processing and wafer test at Wingskysemi (WSS).

Upon release Nexperia will have multiple diffusion sources for T6 LPAK / LPAK56D. Assembly and final test is unchanged

CN-202311014FReleaseofAdditionalTrench6MOSFETProductsfromWingskysemi.pdf: <https://qcm.nexperia.com/Document/DOC-564093/CN-202311014FReleaseofAdditionalTrench6MOSFETProductsfromWingskysemi.pdf>

CN-202311014FPCN-FORM-Rev\_5\_0\_2.xlsm:  
[https://qcm.nexperia.com/Document/DOC-564090/CN-202311014FPCN-FORM-Rev\\_5\\_0\\_2.xlsm](https://qcm.nexperia.com/Document/DOC-564090/CN-202311014FPCN-FORM-Rev_5_0_2.xlsm)

CN-202311014FPCN-Delta-Qualification-Matrix-ZVEI-4\_1.xlsm:  
[https://qcm.nexperia.com/Document/DOC-564089/CN-202311014FPCN-Delta-Qualification-Matrix-ZVEI-4\\_1.xlsm](https://qcm.nexperia.com/Document/DOC-564089/CN-202311014FPCN-Delta-Qualification-Matrix-ZVEI-4_1.xlsm)

### **Why do we implement this change?**

To meet customer expectations for multiple sourcing as a business contingency. From implementation date Nexperia will have increased supply security provided by multiple manufacturing locations

### **Identification of affected products**

Top Side Marking

Diffusion location identified on the 2nd line of marking

## **Product availability**

### **Production**

Planned first shipment: 01 Mar 2024

### **Sample information**

Samples are available upon request

## Impact

No impact to the product's functionality anticipated

### Data sheet revision

No impact to existing datasheet

### Disposition of old products

Not applicable

### Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 14 Dec 2023. Lack of acknowledgement of the PCN constitutes acceptance of the change.

## Additional information

[View Change Notification Online](#)

## Contact and support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support Team.

For specific questions on this notice or the products affected please contact our specialist directly: [pcn@nexperia.com](mailto:pcn@nexperia.com)

In case of distribution, please contact you distribution partner.

## About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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| SalesItem_name | SalesItem_orderablePartNumber | SalesOrder_customerPartNumber | ProductType_name | BasicType_description | PackageOutlineVersion_description | PackageType_description | SalesItem_state | SalesItem_customerSpecificIndicator | BusinessLine_description |
|----------------|-------------------------------|-------------------------------|------------------|-----------------------|-----------------------------------|-------------------------|-----------------|-------------------------------------|--------------------------|
| 934067952115   | BUK7K17-60EX                  | 934067952115                  | BUK7K17-60E      | BUK7K17-60E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067813115   | BUK7K18-40EX                  | 934067813115                  | BUK7K18-40E      | BUK7K18-40E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067954115   | BUK7K52-60EX                  | 934067954115                  | BUK7K52-60E      | BUK7K52-60E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067811115   | BUK7K8R7-40EX                 | BUK7K8R7-40EX                 | BUK7K8R7-40E     | BUK7K8R7-40E          | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067433115   | BUK7Y12-40EX                  | BUK7Y12-40EX                  | BUK7Y12-40E      | BUK7Y12-40E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067443115   | BUK7Y22-100EX                 |                               | BUK7Y22-100E     | BUK7Y22-100E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067441115   | BUK7Y25-60EX                  | BUK7Y25-60EX                  | BUK7Y25-60E      | BUK7Y25-60E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934066628115   | BUK7Y3R5-40E,115              | 934066628115                  | BUK7Y3R5-40E     | BUK7Y3R5-40E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067436115   | BUK7Y4R8-60EX                 | 934067436115                  | BUK7Y4R8-60E     | BUK7Y4R8-60E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067445115   | BUK7Y65-100EX                 | BUK7Y65-100EX                 | BUK7Y65-100E     | BUK7Y65-100E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067438115   | BUK7Y8R7-60EX                 | BUK7Y8R7-60EX                 | BUK7Y8R7-60E     | BUK7Y8R7-60E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067948115   | BUK9K12-60EX                  | 934067948115                  | BUK9K12-60E      | BUK9K12-60E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067951115   | BUK9K13-60EX                  | 934067951115                  | BUK9K13-60E      | BUK9K13-60E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067953115   | BUK9K17-60EX                  | 934067953115                  | BUK9K17-60E      | BUK9K17-60E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067072115   | BUK9K18-40E,115               | BUK9K18-40E,115               | BUK9K18-40E      | BUK9K18-40E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067814115   | BUK9K25-40EX                  | 934067814115                  | BUK9K25-40E      | BUK9K25-40E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934066975115   | BUK9K29-100E,115              | BUK9K29-100E,115              | BUK9K29-100E     | BUK9K29-100E          | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067941115   | BUK9K32-100EX                 | 934067941115                  | BUK9K32-100E     | BUK9K32-100E          | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934066977115   | BUK9K35-60E,115               | BUK9K35-60E,115               | BUK9K35-60E      | BUK9K35-60E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934066974115   | BUK9K45-100E,115              | BUK9K45-100E,115              | BUK9K45-100E     | BUK9K45-100E          | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934066978115   | BUK9K52-60E,115               | BUK9K52-60E,115               | BUK9K52-60E      | BUK9K52-60E           | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934066976115   | BUK9K6R2-40E,115              | BUK9K6R2-40E,115              | BUK9K6R2-40E     | BUK9K6R2-40E          | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067809115   | BUK9K6R8-40EX                 | 934067809115                  | BUK9K6R8-40E     | BUK9K6R8-40E          | SOT1205                           | LFPAKS6D                | RFS             | No                                  | MOS Discretes            |
| 934067035115   | BUK9Y12-100E,115              | 934067035115                  | BUK9Y12-100E     | BUK9Y12-100E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067047115   | BUK9Y12-40E,115               | 934067047115                  | BUK9Y12-40E      | BUK9Y12-40E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067036115   | BUK9Y15-100E,115              | BUK9Y15-100E,115              | BUK9Y15-100E     | BUK9Y15-100E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067022115   | BUK9Y15-60E,115               | 934067022115                  | BUK9Y15-60E      | BUK9Y15-60E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934066629115   | BUK9Y19-100E,115              | BUK9Y19-100E,115              | BUK9Y19-100E     | BUK9Y19-100E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067048115   | BUK9Y21-40E,115               | 934067048115                  | BUK9Y21-40E      | BUK9Y21-40E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067037115   | BUK9Y22-100E,115              | 934067037115                  | BUK9Y22-100E     | BUK9Y22-100E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067023115   | BUK9Y25-60E,115               | 934067023115                  | BUK9Y25-60E      | BUK9Y25-60E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067049115   | BUK9Y29-40E,115               | 934067049115                  | BUK9Y29-40E      | BUK9Y29-40E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067038115   | BUK9Y38-100E,115              | 934067038115                  | BUK9Y38-100E     | BUK9Y38-100E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067043115   | BUK9Y3R0-40E,115              | 934067043115                  | BUK9Y3R0-40E     | BUK9Y3R0-40E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067044115   | BUK9Y3R5-40E,115              | BUK9Y3R5-40E,115              | BUK9Y3R5-40E     | BUK9Y3R5-40E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067024115   | BUK9Y43-60E,115               | 934067024115                  | BUK9Y43-60E      | BUK9Y43-60E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067025115   | BUK9Y59-60E,115               | 934067025115                  | BUK9Y59-60E      | BUK9Y59-60E           | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |
| 934067021115   | BUK9Y8R7-60E,115              | BUK9Y8R7-60E,115              | BUK9Y8R7-60E     | BUK9Y8R7-60E          | SOT669                            | LFPAK                   | RFS             | No                                  | MOS Discretes            |