

Final Product Change Notification

202101001F01

Issue Date: 30-Jan-2021

Effective Date: 15-Feb-2021

Dear *PCN TTI*,

Here's your personalized quality information concerning products TTI purchased from Nexperia. For More details Please Contact your respective Nexperia CSR/AM.

Quality

Change Category

☐ Wafer Fab Process	☒ Assembly Process	☐ Product Marking	☐ Test Location	☐ Design
☐ Wafer Fab Materials	☒ Assembly Materials	☐ Mechanical Specification	☐ Test Process	☐ Errata
☐ Wafer Fab Location	☐ Assembly Location	☐ Packing/Shipping/Labeling	☐ Test Equipment	☐ Electrical spec./Test coverage

**2nd source
Polyimide material**

Details of this Change

Use of Asahi Kasai Corporation BL-301 polyimide in addition to current HD Microsystems HD4100 material as dielectric layer for solder bumping at locations JCAP and HTKS.

Adobe will no longer be supporting Flash Player after 31 December 2020 and Adobe will block Flash content from running in Flash Player beginning 12 January 2021. Therefore it is not possible to access the Nexperia ePCN-tool anymore. Please use the below link to access related documentation to this change notification:

https://gcm.nexperia.com/change-notification-epcn/SQR_PCN_202101001F01_Nexperia.pdf

Why do we Implement this Change

Shortage of HD4100 material creates supply safety risk therefore the change is effective immediately. Rejection of this change creates risk to stop supply after change implementation date.

Identification of Affected Products

Identification of products is given by Lot number on package box.

Product Availability

Sample Information

Samples are available upon request

HD4100 material will be shipped immediately after Nexperia release criteria, incl. reliability, are fulfilled.

Samples will be produced only on request with priority given to fulfill product demand.

Production

Planned first shipment 16-Feb-2021

Impact

No impact to the product's functionality anticipated.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

2nd sourcing in addition to released material.

Additional information

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 01-Mar-2021. Lack of acknowledgement of the PCN constitutes acceptance of the change.

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:

e-mail address PCN-Bipolar.Discretes@nexperia.com

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

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.

You have received this email because you are a designated contact or subscribed to Nexperia Quality Notifications. Nexperia shall not be held liable if this Notification is not correctly distributed within your organization.

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[Nexperia](#) |

Nexperia B.V.

Jonkerbosplein 52 6534 AB Nijmegen, The Netherlands

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number
PESD3V3X1BCSFYL	934069674315	PESD3V3X1BCSF
PESD4V0C1BSFYL	934662148315	PESD4V0C1BSF
PESD3V3Z1BSFYL	934070334315	PESD3V3Z1BSF
PESD4V0H1BSFYL	934662149315	PESD4V0H1BSF
PESD5V0H1BSFYL	934068765315	PESD5V0H1BSF
PESD5V0X1BCSFYL	934069673315	PESD5V0X1BCSF
PESD3V3Y1BSFYL	934660033315	PESD3V3Y1BSF
PESD1V2Y1BSFYL	934661482315	PESD1V2Y1BSF
PESD5V0R1BSFYL	934068764315	PESD5V0R1BSF
PESD5V0C1USFYL	934068767315	PESD5V0C1USF
PESD3V3C1BSFYL	934069617315	PESD3V3C1BSF
PESD4V0Y1BSFYL	934660376315	PESD4V0Y1BSF
PESD5V0C2BDFZ	934661243317	PESD5V0C2BDF
PESD5V0C1BSFYL	934068766315	PESD5V0C1BSF
PESD5V0H1BLSFYL	934661727315	PESD5V0H1BLSF
PESD24VF1BSFYL	934068024315	PESD24VF1BSF
PUSB3BB2DFZ	934661512317	PUSB3BB2DF
PUSB3AB2DFZ	934661245317	PUSB3AB2DF

Changed Part Description	Package Outline	Package Name	Status
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
ESD Protection Diode		SOD962-2	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
ESD Protection Diode		SOD962-2	RFS
Applications		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Ultra-low trigger, ultra-low capacitance, ultra-lo		SOD962-2	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Ultra low capacitance unidirectional ESD protectio		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Extremely low capacitance 2-line bidirectional ESD		DFN0603-3	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Extremely low clamping low capacitance 2- lineESD		DFN0603-3	RFS
Extremely low clamping low capacitance ESD protect		DFN0603-3	RFS

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Notes

PESD3V3X1BCSF/SOD962/SOD962/PEP

PESD4V0C1BSF/SOD962-2/SOD962-2/PEP

PESD3V3Z1BSF/SOD962/SOD962/PEP

PESD4V0H1BSF/SOD962-2/SOD962-2/PEP

PESD5V0H1BSF/SOD962/SOD962/PEP

PESD5V0X1BCSF/SOD962/SOD962/PEP

PESD3V3Y1BSF/SOD962/SOD962/PEP

PESD1V2Y1BSF/SOD962-2/SOD962-2/PEP

PESD5V0R1BSF/SOD962/SOD962/PEP

PESD5V0C1USF/SOD962/SOD962/PEP

PESD3V3C1BSF/SOD962/SOD962/PEP

PESD4V0Y1BSF/SOD962/SOD962/PEP

PESD5V0C2BDF/DFN0603-3/SOT8013/PEP

PESD5V0C1BSF/SOD962/SOD962/PEP

PESD5V0H1BLSF/SOD962/SOD962/PEP

PESD24VF1BSF/SOD962/SOD962/PEP

PUSB3BB2DF/DFN0603-3/SOT8013/PEP

PUSB3AB2DF/DFN0603-3/SOT8013/PEP

Changed Orderable Part#	Customer Part#	Changed Part 12NC	Changed Part Number
PUSB3BB2DFZ	PUSB3BB2DFZ	934661512317	PUSB3BB2DF
PESD3V3X1BCSFYL	PESD3V3X1BCSFYL	934069674315	PESD3V3X1BCSF
PESD3V3Y1BSFYL	PESD3V3Y1BSFYL	934660033315	PESD3V3Y1BSF
PESD3V3Z1BSFYL	PESD3V3Z1BSFYL	934070334315	PESD3V3Z1BSF
PESD24VF1BSFYL	PESD24VF1BSFYL	934068024315	PESD24VF1BSF
PESD5V0C2BDFZ	PESD5V0C2BDFZ	934661243317	PESD5V0C2BDF
PUSB3AB2DFZ	PUSB3AB2DFZ	934661245317	PUSB3AB2DF
PESD5V0C1BSFYL	PESD5V0C1BSFYL	934068766315	PESD5V0C1BSF
PESD5V0C1USFYL	PESD5V0C1USFYL	934068767315	PESD5V0C1USF
PESD5V0R1BSFYL	PESD5V0R1BSFYL	934068764315	PESD5V0R1BSF
PESD3V3C1BSFYL	PESD3V3C1BSFYL	934069617315	PESD3V3C1BSF
PESD1V2Y1BSFYL	PESD1V2Y1BSFYL	934661482315	PESD1V2Y1BSF
PESD4V0Y1BSFYL	PESD4V0Y1BSFYL	934660376315	PESD4V0Y1BSF
PESD4V0C1BSFYL	PESD4V0C1BSFYL	934662148315	PESD4V0C1BSF
PESD5V0X1BCSFYL	PESD5V0X1BCSFYL	934069673315	PESD5V0X1BCSF
PESD4V0H1BSFYL	PESD4V0H1BSFYL	934662149315	PESD4V0H1BSF
PESD5V0H1BLSFYL	PESD5V0H1BLSFYL	934661727315	PESD5V0H1BLSF
PESD3V3X1BCSFYL	PESD3V3X1BCSFYL	934069674315	PESD3V3X1BCSF
PUSB3BB2DFZ	PUSB3BB2DFZ	934661512317	PUSB3BB2DF
PESD5V0H1BSFYL	PESD5V0H1BSFYL	934068765315	PESD5V0H1BSF
PESD3V3Y1BSFYL	PESD3V3Y1BSFYL	934660033315	PESD3V3Y1BSF
PESD3V3Z1BSFYL	PESD3V3Z1BSFYL	934070334315	PESD3V3Z1BSF
PESD24VF1BSFYL	PESD24VF1BSFYL	934068024315	PESD24VF1BSF
PESD5V0C2BDFZ	PESD5V0C2BDFZ	934661243317	PESD5V0C2BDF
PUSB3AB2DFZ	PUSB3AB2DFZ	934661245317	PUSB3AB2DF
PESD5V0C1BSFYL	PESD5V0C1BSFYL	934068766315	PESD5V0C1BSF
PESD5V0C1USFYL	PESD5V0C1USFYL	934068767315	PESD5V0C1USF
PESD5V0R1BSFYL	PESD5V0R1BSFYL	934068764315	PESD5V0R1BSF
PESD3V3C1BSFYL	PESD3V3C1BSFYL	934069617315	PESD3V3C1BSF
PESD1V2Y1BSFYL	PESD1V2Y1BSFYL	934661482315	PESD1V2Y1BSF
PESD4V0Y1BSFYL	PESD4V0Y1BSFYL	934660376315	PESD4V0Y1BSF
PESD4V0C1BSFYL	PESD4V0C1BSFYL	934662148315	PESD4V0C1BSF
PESD5V0X1BCSFYL	PESD5V0X1BCSFYL	934069673315	PESD5V0X1BCSF
PESD4V0H1BSFYL	PESD4V0H1BSFYL	934662149315	PESD4V0H1BSF
PESD5V0H1BLSFYL	PESD5V0H1BLSFYL	934661727315	PESD5V0H1BLSF
PESD5V0H1BSFYL	PESD5V0H1BSFYL	934068765315	PESD5V0H1BSF

Changed Part Description	Package Outline	Package Name	Status
Extremely low clamping low capacitance 2- lineESD		DFN0603-3	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Extremely low capacitance 2-line bidirectional ESD		DFN0603-3	RFS
Extremely low clamping low capacitance ESD protect		DFN0603-3	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Ultra low capacitance unidirectional ESD protectio		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Ultra-low trigger, ultra-low capacitance, ultra-lo		SOD962-2	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
ESD Protection Diode		SOD962-2	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
ESD Protection Diode		SOD962-2	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Extremely low clamping low capacitance 2- lineESD		DFN0603-3	RFS
Applications		SOD962	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
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Extremely low capacitance 2-line bidirectional ESD		DFN0603-3	RFS
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Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
Ultra-low trigger, ultra-low capacitance, ultra-lo		SOD962-2	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
ESD Protection Diode		SOD962-2	RFS
Ultra low capacitance bidirectional ESD protection		SOD962	RFS
ESD Protection Diode		SOD962-2	RFS
Extremely low capacitance bidirectional ESD protec		SOD962	RFS
Applications		SOD962	RFS

[illegible]

Notes	Location Name	Country	City
PUSB3BB2DF/DFN0603-3/SOT8013/PEP	TTI Inc.	United States	Fort Worth
PESD3V3X1BCSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD3V3Y1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD3V3Z1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD24VF1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD5V0C2BDF/DFN0603-3/SOT8013/PEP	TTI Inc.	United States	Fort Worth
PUSB3AB2DF/DFN0603-3/SOT8013/PEP	TTI Inc.	United States	Fort Worth
PESD5V0C1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD5V0C1USF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD5V0R1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD3V3C1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD1V2Y1BSF/SOD962-2/SOD962-2/PEP	TTI Inc.	United States	Fort Worth
PESD4V0Y1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD4V0C1BSF/SOD962-2/SOD962-2/PEP	TTI Inc.	United States	Fort Worth
PESD5V0X1BCSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD4V0H1BSF/SOD962-2/SOD962-2/PEP	TTI Inc.	United States	Fort Worth
PESD5V0H1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD3V3X1BCSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PUSB3BB2DF/DFN0603-3/SOT8013/PEP	TTI Inc.	United States	Fort Worth
PESD5V0H1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD3V3Y1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD3V3Z1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD24VF1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD5V0C2BDF/DFN0603-3/SOT8013/PEP	TTI Inc.	United States	Fort Worth
PUSB3AB2DF/DFN0603-3/SOT8013/PEP	TTI Inc.	United States	Fort Worth
PESD5V0C1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD5V0C1USF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD5V0R1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD3V3C1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD1V2Y1BSF/SOD962-2/SOD962-2/PEP	TTI Inc.	United States	Fort Worth
PESD4V0Y1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD4V0C1BSF/SOD962-2/SOD962-2/PEP	TTI Inc.	United States	Fort Worth
PESD5V0X1BCSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD4V0H1BSF/SOD962-2/SOD962-2/PEP	TTI Inc.	United States	Fort Worth
PESD5V0H1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth
PESD5V0H1BSF/SOD962/SOD962/PEP	TTI Inc.	United States	Fort Worth

Address	Funloc	Sold-to	Ship-to	Most recent order date
3737 Meachum Blvd	0000515048	N	Y	26-Aug-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	15-Jan-2021
3737 Meachum Blvd	0000515048	N	Y	2-Sep-2020
3737 Meachum Blvd	0000515048	N	Y	26-Aug-2020
3737 Meachum Blvd	0000515048	N	Y	26-Aug-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	26-Aug-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	26-Aug-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
3737 Meachum Blvd	0000515048	N	Y	26-Aug-2020
3737 Meachum Blvd	0000515048	N	Y	26-Aug-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	26-Aug-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	15-Jan-2021
2441 Northeast Parkway	0000515049	Y	N	2-Sep-2020
2441 Northeast Parkway	0000515049	Y	N	26-Aug-2020
2441 Northeast Parkway	0000515049	Y	N	26-Aug-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	26-Aug-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	26-Aug-2020
2441 Northeast Parkway	0000515049	Y	N	10-Feb-2020
2441 Northeast Parkway	0000515049	Y	N	26-Aug-2020
2441 Northeast Parkway	0000515049	Y	N	26-Aug-2020
3737 Meachum Blvd	0000515048	N	Y	10-Feb-2020

Most recent shipment date	Organization
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31-Aug-2020	TTI
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28-Aug-2020	TTI
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28-Aug-2020	TTI
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