



Customer Information Notification

CN-202207008I

Issue date: 11 Jul 2022

Effective date: 10 Aug 2022

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.



Datasheet Correction Dynamic Resistance

Notification information

The datasheets of some "ESD protection for high-speed interfaces diodes" have been updated to correct a typo in the datasheet regarding the dynamic resistance.

A full detailed list of the affected Nexperia 12NCs is attached to this CIN.

Why do we issue this notification?

Datasheets were edited to reflect the correct measurement conditions for R_{dyn} (dynamic resistance) with pulse condition $I_R = 10\text{ A}$; $t_p = 100\text{ ns}$; $T_{amb} = 25\text{ °C}$, non-repetitive current pulse, Transmission Line Pulse (TLP); square pulse; ANSI / ESD STM5.5.1-2008.

Change Category

Wafer

Assembl

Product Marking

Test Location

Design

Fab	y	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Test	<input checked="" type="checkbox"/> [X]
Process	Process	Specification	Process	Errata
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Test	<input type="checkbox"/>
Wafer	Assembl	Packing/Shipping/Labelin	Equipmen	Electrical
Fab	y	g	t	spec./Tes
Material	Materials			t
s	<input type="checkbox"/>			coverage
<input type="checkbox"/>	Assembl			
Wafer	y			
Fab	Location			
Location				

Identification of affected products

No change on the products.

Impact

No impact to the product's functionality anticipated

Products will be unchanged.

Data sheet revision

A new datasheet will be issued

Disposition of old products

Not applicable - products will be unchanged.

Additional information

[View Change Notification Online](#)

Remarks

- New datasheets will be available on Nexperia.com at the effective date of this CIN. Preliminary draft versions are attached to this CIN. - The new updated datasheets do have the following revision: PESD4USB3B-TBR Rev. 2 | PESD4USB3BTBR-Q Rev. 2 | PESD4USB3B-TBS Rev. 2 | PESD4USB3B-TTS Rev. 2 | PESD4USB3U-TBR Rev. 3 | PESD4USB3UTBR-Q Rev. 2 | PESD4USB3U-TBS Rev. 2 | PESD4USB3U-TTS Rev. 2 | PESD4USB5B-TBR Rev. 2 | PESD4USB5BTBR-Q Rev. 2 | PESD4USB5B-TBS Rev. 2 |

PESD4USB5B-TTS Rev. 2 | PESD4USB5U-TBR Rev. 3 | PESD4USB5UTBR-Q Rev. 2 | PESD4USB5U-TBS Rev. 2 | PESD4USB5U-TTS Rev. 2

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

In case of distribution, please contact you distribution partner.

About Nexperia B.V.

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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	SalesItem_state	SalesItem_customerSpecificIndicator	BusinessLine_description
934661207115	PESD4US83B-TBRX	PESD4US83B-TBRX	PESD4US83B-TBR	ESD Protection Diode	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934662558118	PESD4US83B-TBSAX		PESD4US83B-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934662558115	PESD4US83B-TBSX	PESD4US83B-TBSX	PESD4US83B-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934662559118	PESD4US83B-TTSAK		PESD4US83B-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934662559115	PESD4US83B-TTSX	PESD4US83B-TTSX	PESD4US83B-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934664533115	PESD4US83B8TBR-QX		PESD4US83B8TBR-Q	ESD Protection Diode	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934661209115	PESD4US83U-TBRX	PESD4US83U-TBRX	PESD4US83U-TBR	ESD protection for ultra hi	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934662556118	PESD4US83U-TBSAX		PESD4US83U-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934662556115	PESD4US83U-TBSX	PESD4US83U-TBSX	PESD4US83U-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934662557118	PESD4US83U-TTSAK		PESD4US83U-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934662557115	PESD4US83U-TTSX	PESD4US83U-TTSX	PESD4US83U-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934664531115	PESD4US83UTBR-QX		PESD4US83UTBR-Q	ESD protection for ultra hi	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934661206115	PESD4US85B-TBRX	PESD4US85B-TBRX	PESD4US85B-TBR	ESD Protection Diode	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934661961118	PESD4US85B-TBSAX		PESD4US85B-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934661961115	PESD4US85B-TBSX	PESD4US85B-TBSX	PESD4US85B-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934662141118	PESD4US85B-TTSAK		PESD4US85B-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934662141115	PESD4US85B-TTSX	PESD4US85B-TTSX	PESD4US85B-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934664534115	PESD4US85B8TBR-QX		PESD4US85B8TBR-Q	ESD Protection Diode	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934661208115	PESD4US85U-TBRX	PESD4US85U-TBRX	PESD4US85U-TBR	ESD protection for ultra hi	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934662138118	PESD4US85U-TBSAX		PESD4US85U-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934662138115	PESD4US85U-TBSX	PESD4US85U-TBSX	PESD4US85U-TBS	ESD Protection Diode	SOT1176D	DFN2510D	RFS	No	Bipolar Discretes
934662139118	PESD4US85U-TTSAK		PESD4US85U-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934662139115	PESD4US85U-TTSX	PESD4US85U-TTSX	PESD4US85U-TTS	ESD Protection Diode	SOT1165D	DFN2510D	RFS	No	Bipolar Discretes
934664532115	PESD4US85UTBR-QX		PESD4US85UTBR-Q	ESD protection for ultra hi	SOT1176-2	XSON10	RFS	No	Bipolar Discretes