



Product Change Notification

CN-202109017F

Issue date: 08 Oct 2021

Effective date: 20 Jan 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.



BG352b: Change of back side metallization thickness

Change Category

<input checked="" type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Location	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Process	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Electrical spec./Test coverage

Details of this change

The back side metallization thickness will be changed from 2.15 μm to 1.75 μm .

Current Products

Back side metallization thickness 2.15 μm .

Changed Products

Back side metallization thickness 1.75 μm

SQR_202109017F.pdf: https://qcm.nexperia.com/Document/DOC-520034/SQR_202109017F.pdf

202109017F_PCN-FORM-Rev_4_0.xlsm: https://qcm.nexperia.com/Document/DOC-520032/202109017F_PCN-FORM-Rev_4_0.xlsm

202109017F_PCN-Delta-Qualification-Matrix-ZVEI-4_1.xlsm: https://qcm.nexperia.com/Document/DOC-520025/202109017F_PCN-Delta-Qualification-Matrix-ZVEI-4_1.xlsm

Why do we implement this change?

To increase efficiency of volume production.

Identification of affected products

Changed product can be identified by date code after implementation.

Product availability

Production

Planned first shipment: 01 Feb 2022

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

No impact to existing datasheet

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 07 Nov 2021. 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

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_status	SalesItem_discontinuationType	SalesItem_availability	SalesItem_source	SalesItem_lastTimeBuyDate	SalesItem_lastTimeShipDate	SalesItem_customerSpecificIndicator	Replacement_SalesItem_orderablePartNumber	Replacement_SalesItem_name	Replacement_ProductType_name	Replacement_BasicType_description	BusinessLine_description
93405 56901 15	1PS70SB20,115	1PS70SB20,115	1PS70SB20	Schottky barrier single diode	SOT323	SC-70	RFS						No					Bipolar Discretes
93405 49251 15	1PS88SB48,115	1PS88SB48,115	1PS88SB48	General-purpose Schottky diodes	SOT363	SC-88	RFS						No					Bipolar Discretes
93403 31901 15	2PB1219AQ,115		2PB1219AQ	PNP general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93403 31901 35	2PB1219AQ,135		2PB1219AQ	PNP general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93403 32001 15	2PB1219AR,115		2PB1219AR	PNP general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93403 32001 35	2PB1219AR,135		2PB1219AR	PNP general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93403 32101 15	2PB1219AS,115		2PB1219AS	PNP general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93403 32101 35	2PB1219AS,135		2PB1219AS	PNP general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93404 26201 15	2PD1820AR,115	2PD1820AR,115	2PD1820AR	NPN general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93404 26301 15	2PD1820AS,115	2PD1820AS,115	2PD1820AS	NPN general purpose transistor	SOT323	SC-70	RFS						No					Bipolar Discretes
93405 14001 15	BAT160A,115		BAT160A	Schottky barrier double diodes	SOT223	SC-73	RFS						No					Bipolar Discretes
93405 14101 15	BAT160C,115		BAT160C	Schottky barrier double diodes	SOT223	SC-73	RFS						No					Bipolar Discretes
93405 14201 15	BAT160S,115	BAT160S,115	BAT160S	Schottky barrier double diodes	SOT223	SC-73	RFS						No					Bipolar Discretes
93466 11251 35	BC806-16WF		BC806-16W	80 V, 500 mA PNP general-purpose transistors	SOT323	SC-70	RFS						No					Bipolar Discretes
93466 11251 15	BC806-16WX		BC806-16W	80 V, 500 mA PNP general-purpose transistors	SOT323	SC-70	RFS						No					Bipolar Discretes
93466 11261 35	BC806-25WF		BC806-25W	80 V, 500 mA PNP general-purpose transistors	SOT323	SC-70	RFS						No					Bipolar Discretes

93466 11261 15	BC806-25WX		BC806- 25W	80 V, 500 mA PNP general- purpose transistors	SOT323	SC-70	RFS		No	Bipolar Discretes
93407 07691 35	BC807-16LWF	BC807-16LWF	BC807- 16LW	45 V, 500 mA PNP general- purpose transistors	SOT323	SC-70	RFS		No	Bipolar Discretes
93407 07691 15	BC807-16LWX		BC807- 16LW	45 V, 500 mA PNP general- purpose transistors	SOT323	SC-70	RFS		No	Bipolar Discretes
93407 07711 35	BC807-25LWF	BC807-25LWF	BC807- 25LW	45 V, 500 mA PNP general- purpose transistors	SOT323	SC-70	RFS		No	Bipolar Discretes
93407 07711 15	BC807-25LWX		BC807- 25LW	45 V, 500 mA PNP general- purpose transistors	SOT323	SC-70	RFS		No	Bipolar Discretes
93407 07721 35	BC807-40LWF	BC807-40LWF	BC807- 40LW	45 V, 500 mA PNP general- purpose transistors	SOT323	SC-70	RFS		No	Bipolar Discretes
93407 07721 15	BC807-40LWX		BC807- 40LW	45 V, 500 mA PNP general- purpose transistors	SOT323	SC-70	RFS		No	Bipolar Discretes
93466 10771 35	BCP51-10TF	BCP51-10TF	BCP51- 10T	45 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93466 10781 35	BCP51-16TF	BCP51-16TF	BCP51- 16T	45 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93466 10731 35	BCP51TF	BCP51TF	BCP51T	45 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93466 10811 35	BCP52-10TF	BCP52-10TF	BCP52- 10T	60 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93466 10821 35	BCP52-16TF	BCP52-16TF	BCP52- 16T	60 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93466 10791 35	BCP52TF	BCP52TF	BCP52T	60 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93407 02871 15	BCP53-10HX	BCP53-10HX	BCP53- 10H	80 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93407 02881 15	BCP53-16HX	BCP53-16HX	BCP53- 16H	80 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93407 01161 35	BCP53-16TF	BCP53-16TF	BCP53- 16T	80 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93407 01161 15	BCP53-16TX	BCP53-16TX	BCP53- 16T	80 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93407 02861 15	BCP53HX		BCP53H	80 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93407 01141 35	BCP53TF		BCP53T	80 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93407 01141 15	BCP53TX	BCP53TX	BCP53T	80 V, 1 A PNP medium power transistors	SOT223	SC-73	RFS		No	Bipolar Discretes
93391 71801 15	BCP54,115	BCP54,115	BCP54	45 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS		No	Bipolar Discretes
93391 71801 35	BCP54,135		BCP54	45 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS		No	Bipolar Discretes
93391 71901 35	BCP54-10,135	BCP54-10,135	BCP54- 10	45 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS		No	Bipolar Discretes

93466 10841 35	BCP54-10TF	BCP54-10TF	BCP54-10T	45 V, 1 A NPN medium power transistors	SOT223	SC-73	RFS	No	Bipolar Discretes
93391 72001 15	BCP54-16,115	BCP54-16,115	BCP54-16	45 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93391 72001 35	BCP54-16,135		BCP54-16	45 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93466 10851 35	BCP54-16TF	BCP54-16TF	BCP54-16T	45 V, 1 A NPN medium power transistors	SOT223	SC-73	RFS	No	Bipolar Discretes
93466 10831 35	BCP54TF	BCP54TF	BCP54T	45 V, 1 A NPN medium power transistors	SOT223	SC-73	RFS	No	Bipolar Discretes
93466 10871 35	BCP55-10TF	BCP55-10TF	BCP55-10T	60 V, 1 A NPN medium power transistors	SOT223	SC-73	RFS	No	Bipolar Discretes
93466 10881 35	BCP55-16TF	BCP55-16TF	BCP55-16T	60 V, 1 A NPN medium power transistors	SOT223	SC-73	RFS	No	Bipolar Discretes
93466 10861 35	BCP55TF	BCP55TF	BCP55T	60 V, 1 A NPN medium power transistors	SOT223	SC-73	RFS	No	Bipolar Discretes
93407 02911 15	BCP56-10HX	BCP56-10HX	BCP56-10H	80 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93407 02921 15	BCP56-16HX	BCP56-16HX	BCP56-16H	80 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93407 02891 15	BCP56HX	BCP56HX	BCP56H	80 V, 1 A NPN medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93396 93801 15	BCP69,115	BCP69,115	BCP69	20 V, 2 A PNP medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93396 93801 35	BCP69,135		BCP69	20 V, 2 A PNP medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93400 94301 15	BCP69-16,115	BCP69-16,115	BCP69-16	20 V, 2 A PNP medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93400 94301 35	BCP69-16F		BCP69-16	20 V, 2 A PNP medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93396 93901 15	BCP69-25,115	BCP69-25,115	BCP69-25	20 V, 2 A PNP medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93396 93901 35	BCP69-25,135		BCP69-25	20 V, 2 A PNP medium power transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93407 03291 15	NCR320ZX	NCR320ZX	NCR320Z	250 mA LED driver in SOT223	SOT223	SC-73	RFS	No	Bipolar Discretes
93407 03311 15	NCR321ZX	NCR321ZX	NCR321Z	250 mA LED driver in SOT223	SOT223	SC-73	RFS	No	Bipolar Discretes
93407 03321 15	NCR420ZX	NCR420ZX	NCR420Z	150 mA LED driver in SOT223	SOT223	SC-73	RFS	No	Bipolar Discretes
93407 03331 15	NCR421ZX	NCR421ZX	NCR421Z	150 mA LED driver in SOT223	SOT223	SC-73	RFS	No	Bipolar Discretes
93405 65141 15	PBSS4140U,1	PBSS4140U,1	PBSS4140U	40V Low VCEsat NPN Transistor	SOT323	SC-70	RFS	No	Bipolar Discretes
93405 65141 35	PBSS4140U,1		PBSS4140U	40V Low VCEsat NPN Transistor	SOT323	SC-70	RFS	No	Bipolar Discretes

93405	81171	PBSS4160U,1	PBSS4160U,11	PBSS41	60 V, 1 A NPN low VCEsat (BISS) transistor	SOT323	SC-70	RFS	No	Bipolar Discretes
93405	65111	PBSS4240Y,11		PBSS42	40 V low VCEsat NPN transistor	SOT363	SC-88	RFS	No	Bipolar Discretes
93405	65131	PBSS5140U,1	PBSS5140U,11	PBSS51	40 V low VCEsat PNP transistor	SOT323	SC-70	RFS	No	Bipolar Discretes
93405	65131	PBSS5140U,1		PBSS51	40 V low VCEsat PNP transistor	SOT323	SC-70	RFS	No	Bipolar Discretes
93405	81231	PBSS5160U,1	PBSS5160U,11	PBSS51	60 V, 1 A PNP low VCEsat (BISS) transistor	SOT323	SC-70	RFS	No	Bipolar Discretes
93405	65121	PBSS5240Y,11		PBSS52	40 V low VCEsat PNP transistor	SOT363	SC-88	RFS	No	Bipolar Discretes
93405	65121	PBSS5240Y,13		PBSS52	40 V low VCEsat PNP transistor	SOT363	SC-88	RFS	No	Bipolar Discretes
93405	79821	PBSS8110Y,11		PBSS81	100 V, 1 A NPN low VCEsat (BISS) transistor	SOT363	SC-88	RFS	No	Bipolar Discretes
93405	79771	PBSS8110Z,13	PBSS8110Z,13	PBSS81	100 V, 1 A NPN low VCesat (BISS) transistor	SOT223	SC-73	RFS	No	Bipolar Discretes
93406	83461	PDTD114EUF		PDTD11	500 mA, 50 V NPN resistor-equipped transistors	SOT323	SC-70	RFS	No	Bipolar Discretes
93406	83461	PDTD114EUX		PDTD11	500 mA, 50 V NPN resistor-equipped transistors	SOT323	SC-70	RFS	No	Bipolar Discretes
93407	01582	PESD2ETH-AXR	PESD2ETH-AXR	PESD2E	Ultra low capacitance double rail-to-rail ESD protection diode	SOT143B	SOT4	RFS	No	Bipolar Discretes
93405	80041	PESD5V0S1BA,115	PESD5V0S1BA,115	PESD5V	Bidirectional ESD protection diode	SOD323	SOD2	RFS	No	Bipolar Discretes
93466	01511	PESD5V0S1BA/8F		PESD5V	Bidirectional ESD protection diode	SOD323	SOD2	RFS	No	Bipolar Discretes
93466	01511	PESD5V0S1BA/8X		PESD5V	Bidirectional ESD protection diode	SOD323	SOD2	RFS	No	Bipolar Discretes
93405	80041	PESD5V0S1BAF		PESD5V	Bidirectional ESD protection diode	SOD323	SOD2	RFS	No	Bipolar Discretes
93407	03651	PMEG2005EGWJ		PMEG2	20 V, 0.5 A low VF MEGA Schottky barrier rectifier	SOD123	SOD2	RFS	No	Bipolar Discretes
93407	03651	PMEG2005EGWX	PMEG2005EGWX	PMEG2	20 V, 0.5 A low VF MEGA Schottky barrier rectifier	SOD123	SOD2	RFS	No	Bipolar Discretes
93405	79161	PMEG2010BEA,115	PMEG2010BEA,115	PMEG2	1 A very low VF MEGA Schottky barrier rectifier	SOD323	SOD2	RFS	No	Bipolar Discretes
93405	71001	PMEG2010EA,115	PMEG2010EA,115	PMEG2	20 V, 1 A low VF (MEGA) Schottky barrier diode	SOD323	SOD2	RFS	No	Bipolar Discretes
93405	71001	PMEG2010EA,135		PMEG2	20 V, 1 A low VF (MEGA) Schottky barrier diode	SOD323	SOD2	RFS	No	Bipolar Discretes
93405	71001	PMEG2010EAZ		PMEG2	20 V, 1 A low VF (MEGA) Schottky barrier diode	SOD323	SOD2	RFS	No	Bipolar Discretes
93405	76221	PMEG2015EA,115	PMEG2015EA,115	PMEG2	Low VF (MEGA) Schottky barrier diode	SOD323	SOD2	RFS	No	Bipolar Discretes

93405				20 V, 2 A very low VF MEGA							
79331	PMEG2020AE	PMEG2020AE	PMEG2	Schottky barrier rectifier in							Bipolar
15	A,115	A,115	020AEA	SOD323 (SC-76) package	SOD323	SOD2	RFS		No		Discretes
93405											
77511	PMEG3005AE	PMEG3005AE	PMEG3	Very low VF MEGA Schottky							Bipolar
15	A,115	A,115	005AEA	barrier rectifier	SOD323	SOD2	RFS		No		Discretes
93407			PMEG3								
04511	PMEG3005EG		005EG	30 V, 0.5 A low VF MEGA Schottky							Bipolar
18	WJ		W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93407			PMEG3								
04511	PMEG3005EG	PMEG3005EG	005EG	30 V, 0.5 A low VF MEGA Schottky							Bipolar
15	WX	WX	W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93407			PMEG3								
04521	PMEG3010EG	PMEG3010EG	010EG	30 V, 1 A low VF MEGA Schottky							Bipolar
18	WJ	WJ	W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93407			PMEG3								
04521	PMEG3010EG	PMEG3010EG	010EG	30 V, 1 A low VF MEGA Schottky							Bipolar
15	WX	WX	W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93407			PMEG4								
03681	PMEG4005EG		005EG	40 V, 0.5 A low VF MEGA Schottky							Bipolar
18	WJ		W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93407			PMEG4								
03681	PMEG4005EG	PMEG4005EG	005EG	40 V, 0.5 A low VF MEGA Schottky							Bipolar
15	WX	WX	W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93407			PMEG4								
03691	PMEG4010EG	PMEG4010EG	010EG	40 V, 1 A low VF MEGA Schottky							Bipolar
18	WJ	WJ	W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93407			PMEG4								
03691	PMEG4010EG	PMEG4010EG	010EG	40 V, 1 A low VF MEGA Schottky							Bipolar
15	WX	WX	W	barrier rectifier	SOD123	SOD2	RFS		No		Discretes
93404											
25401			PMSTA5	500 mA PNP general-purpose							Bipolar
15	PMSTA55,115		5	transistors	SOT323	SC-70	RFS		No		Discretes
93404											
22701			PMSTA5	500 mA PNP general-purpose							Bipolar
15	PMSTA56,115	PMSTA56,115	6	transistors			RFS		No		Discretes
93405											
98792	PRTR5V0U2A	PRTR5V0U2AX	PRTR5V	Ultra low capacitance double rail-							Bipolar
15	X,215	,215	0U2AX	to-rail ESD protection diode	SOT143B	SOT4	RFS		No		Discretes
93405											
98792	PRTR5V0U2A		PRTR5V	Ultra low capacitance double rail-							Bipolar
35	X,235		0U2AX	to-rail ESD protection diode	SOT143B	SOT4	RFS		No		Discretes
93398											
20401	PZT2907A,11		PZT290								Bipolar
15	5	PZT2907A,115	7A	PNP switching transistor	SOT223	SC-73	RFS		No		Discretes
93398											
20401	PZT2907A,13		PZT290								Bipolar
35	5		7A	PNP switching transistor	SOT223	SC-73	RFS		No		Discretes