



Product Change Notification

CN-202203014F

Issue date: 01 Apr 2022

Effective date: 14 Jul 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.



Introduction of new Epoxy Mold Compounds (EMC) in SOT23 package

Change Category

<input 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 checked="" 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

Introduction of additional EMCs (epoxy mold compounds) GR646CHN, CV4112 and EME-E500HK in SOT23 package.

Current Products: GR646 (where affected), 3400FPG (where affected) and EME-E500HK (where affected)

Changed Products: GR646CHN, EME-E500HK, CV4112 (where affected), GR646 (where affected) and 3400FPG (where affected)

SQR_CN-202203014F.pdf: https://qcm.nexperia.com/Document/DOC-537388/SQR_CN-202203014F.pdf

CN-202203014F_PCN-FORM-Rev_4_0.xlsm: https://qcm.nexperia.com/Document/DOC-537387/CN-202203014F_PCN-FORM-Rev_4_0.xlsm

CN-202203014F_PCN-Delta-Qualification-Matrix-ZVEI-4_1.xlsm: https://qcm.nexperia.com/Document/DOC-537386/CN-202203014F_PCN-Delta-Qualification-Matrix-ZVEI-4_1.xlsm

Why do we implement this change?

To increase the flexibility and volume ramp-up.

Identification of affected products

Changed product can be identified by date code after implementation.

Product availability

Production

Planned first shipment: 01 Aug 2022

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

New EMCs in addition to the released material (where applicable).

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 01 May 2022. 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.

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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	SalesItem_state	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
9340622 97215	2PB709ARL,215		2PB709ARL	45 V, 100 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340622 97235	2PB709ARL,235		2PB709ARL	45 V, 100 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340622 99215	2PB709ASL,215		2PB709ASL	45 V, 100 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340622 99235	2PB709ASL,235		2PB709ASL	45 V, 100 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340647 14215	2PB709BRL,215		2PB709BRL	50 V, 200 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340647 15215	2PB709BSL,215		2PB709BSL	50 V, 200 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340623 06215	2PD601ARL,215		2PD601ARL	50 V, 100 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340623 06235	2PD601ARL,235		2PD601ARL	50 V, 100 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340623 08215	2PD601ASL,215		2PD601ASL	50 V, 100 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340623 08235	2PD601ASL,235		2PD601ASL	50 V, 100 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
9340647 12215	2PD601BRL,215		2PD601BRL	50 V, 200 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes

9340647 13215	2PD601BSL,215		2PD601BS L	50 V, 200 mA NPN general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9339860 70215	BAL99,215		BAL99	High-speed diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9340608 49215	BAS101S,215		BAS101S	High- voltage switching diodes	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9335262 30215	BAS17,215		BAS17	Low-voltage stabistor	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9335020 20215	BAS19,215		BAS19	High- voltage switching diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9335020 20235	BAS19,235		BAS19	High- voltage switching diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346603 19215	BAS21THR		BAS21TH	High- voltage switching diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346603 19235	BAS21THVL		BAS21TH	High- voltage switching diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9334107 00215	BAT17,215		BAT17	Schottky barrier diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9334107 00235	BAT17,235		BAT17	Schottky barrier diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9337000 10215	BAV74,215		BAV74	High-speed double diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9337000 10235	BAV74,235		BAV74	High-speed double diode	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346615 89215	BC806-16HR		BC806- 16H	80 V, 500 mA PNP general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346615 89235	BC806-16HVL		BC806- 16H	80 V, 500 mA PNP general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346615 92215	BC816-16HR		BC816- 16H	80 V, 500 mA NPN general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346615 92235	BC816-16HVL		BC816- 16H	80 V, 500 mA NPN general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346611 22215	BC816-16R		BC816-16	80 V, 500 mA NPN general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346611 22235	BC816-16VL		BC816-16	80 V, 500 mA NPN general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346615 93215	BC816-25HR		BC816- 25H	80 V, 500 mA NPN general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes
9346615 93235	BC816-25HVL		BC816- 25H	80 V, 500 mA NPN general- purpose transistors	SOT23	TO-236AB	RFS					No				Bipolar Discretes

				purpose transistors															
9346611 23215	BC816-25R		BC816-25	80 V, 500 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9346611 23235	BC816-25VL		BC816-25	80 V, 500 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9335896 30215	BC848B,215		BC848B	30 V, 100 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9335896 30235	BC848B,235		BC848B	30 V, 100 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9335897 00215	BC850C,215		BC850C	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9335897 00235	BC850C,235		BC850C	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9335898 50215	BC860B,215		BC860B	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9335898 50235	BC860B,235		BC860B	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9338062 10215	BCV26,215		BCV26	PNP Darlington transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9338062 10235	BCV26,235		BCV26	PNP Darlington transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330827 31215	BCW29,215		BCW29	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330827 31235	BCW29,235		BCW29	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330827 41215	BCW30,215		BCW30	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330827 41235	BCW30,235		BCW30	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330827 81215	BCW31,215		BCW31	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330827 91215	BCW32,215		BCW32	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330827 91235	BCW32,235		BCW32	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9330996 50215	BCW33,215		BCW33	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9333240 90215	BCW60B,215		BCW60B	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9333240 90235	BCW60B,235		BCW60B	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9333241 00215	BCW60C,215		BCW60C	NPN general	SOT23	TO-236AB	RFS							No					Bipolar Discretes

				purpose transistors															
9333241 00235	BCW60C,235		BCW60C	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9333241 30215	BCW61B,215		BCW61B	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9333241 40215	BCW61C,215		BCW61C	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9333241 40235	BCW61C,235		BCW61C	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9333241 50215	BCW61D,215		BCW61D	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340709 41215	BCW66FR		BCW66F	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340709 41235	BCW66FVL		BCW66F	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340709 41185	BCW66FZ		BCW66F	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	CQS							No					Bipolar Discretes
9340709 42215	BCW66GR		BCW66G	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340709 42235	BCW66GVL		BCW66G	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340709 42185	BCW66GZ		BCW66G	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	CQS							No					Bipolar Discretes
9340709 43215	BCW66HR		BCW66H	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340709 43235	BCW66HVL		BCW66H	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340709 43185	BCW66HZ		BCW66H	45 V, 800 mA NPN general-purpose transistor	SOT23	TO-236AB	CQS							No					Bipolar Discretes
9331493 70215	BCW69,215		BCW69	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9331493 80215	BCW70,215		BCW70	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9331493 80235	BCW70,235		BCW70	PNP general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9334953 20215	BCW89,215		BCW89	PNP general purpose transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9334836 50215	BCX70G,215		BCX70G	NPN general purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes

9340617 01215	BZB84-B2V4,215	BZB84- B2V4	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 02215	BZB84-B2V7,215	BZB84- B2V7	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 53215	BZB84-B33,215	BZB84- B33	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 55215	BZB84-B39,215	BZB84- B39	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 03215	BZB84-B3V0,215	BZB84- B3V0	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 04215	BZB84-B3V3,215	BZB84- B3V3	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 05215	BZB84-B3V6,215	BZB84- B3V6	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 06215	BZB84-B3V9,215	BZB84- B3V9	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 56215	BZB84-B43,215	BZB84- B43	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 57215	BZB84-B47,215	BZB84- B47	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 08215	BZB84-B4V7,215	BZB84- B4V7	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 58215	BZB84-B51,215	BZB84- B51	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 59215	BZB84-B56,215	BZB84- B56	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 61215	BZB84-B62,215	BZB84- B62	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 62215	BZB84-B68,215	BZB84- B68	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 12215	BZB84-B6V2,215	BZB84- B6V2	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 13215	BZB84-B6V8,215	BZB84- B6V8	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 15215	BZB84-B8V2,215	BZB84- B8V2	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 16215	BZB84-B9V1,215	BZB84- B9V1	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 95215	BZB84-C10,215	BZB84- C10	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 99215	BZB84-C15,215	BZB84- C15	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 28215	BZB84-C18,215	BZB84- C18	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340634 54215	BZB84-C20,215	BZB84- C20	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 29215	BZB84-C22,215	BZB84- C22	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 80215	BZB84-C2V4,215	BZB84- C2V4	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 81215	BZB84-C2V7,215	BZB84- C2V7	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 34215	BZB84-C30,215	BZB84- C30	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 35215	BZB84-C33,215	BZB84- C33	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 36215	BZB84-C36,215	BZB84- C36	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 37215	BZB84-C39,215	BZB84- C39	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 82215	BZB84-C3V0,215	BZB84- C3V0	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340617 23215	BZB84-C3V3,215	BZB84- C3V3	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 83215	BZB84-C3V6,215	BZB84- C3V6	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 84215	BZB84-C3V9,215	BZB84- C3V9	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 38215	BZB84-C43,215	BZB84- C43	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 39215	BZB84-C47,215	BZB84- C47	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340616 85215	BZB84-C4V3,215	BZB84- C4V3	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 41215	BZB84-C51,215	BZB84- C51	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes
9340633 42215	BZB84-C56,215	BZB84- C56	Dual Zener diodes	SOT23	TO-236AB	RFS									No				Bipolar Discretes

9340616 87215	BZB84-C5V1,215		BZB84-C5V1	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340616 88215	BZB84-C5V6,215		BZB84-C5V6	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340633 43215	BZB84-C62,215		BZB84-C62	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340633 44215	BZB84-C68,215		BZB84-C68	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340616 91215	BZB84-C6V8,215		BZB84-C6V8	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340633 45215	BZB84-C75,215		BZB84-C75	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340616 93215	BZB84-C8V2,215		BZB84-C8V2	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340616 94215	BZB84-C9V1,215		BZB84-C9V1	Dual Zener diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9338643 60215	MMBT3904,215		MMBT3904	NPN switching transistor	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9338643 60235	MMBT3904VL		MMBT3904	NPN switching transistor	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340618 03215	MMBZ12VDL,215		MMBZ12V DL	Double ESD protection diodes for transient overvoltage suppression	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340709 09215	MMBZ16VALR		MMBZ16V AL	High surge current unidirectional double ESD protection diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340709 09235	MMBZ16VALVL		MMBZ16V AL	High surge current unidirectional double ESD protection diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9346600 77215	MMBZ16VTALR		MMBZ16V TAL	High surge current unidirectional double ESD protection diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9346600 77235	MMBZ16VTALVL		MMBZ16V TAL	High surge current unidirectional double ESD protection diodes	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340618 11215	MMBZ18VCL,215		MMBZ18V CL	Double ESD protection diode for transient overvoltage suppression	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340618 12215	MMBZ20VCL,215		MMBZ20V CL	Double ESD protection diodes for transient overvoltage suppression	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340618 14215	MMBZ33VCL,215		MMBZ33V CL	Double ESD protection diodes for transient overvoltage suppression	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340634 62215	MMBZ5V6AL,215		MMBZ5V6 AL	Low capacitance unidirectional double ESD	SOT23	TO-236AB	RFS							No				Bipolar Discretes

				general-purpose transistors															
9340672 38215	NXP3875YR		NXP3875Y	50 V, 150 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340672 38235	NXP3875YVL		NXP3875Y	50 V, 150 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340707 14215	PBHV8115TLHR		PBHV8115 TLH	150 V, 1 A NPN high-voltage low VCEsat BISS transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340707 15215	PBHV9115TLHR		PBHV9115 TLH	150 V, 1 A PNP high-voltage low VCEsat BISS transistor	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340589 84215	PBRN113ET,215		PBRN113E T	NPN 800 mA, 40 V BISS RETs; R1 = 1 kOhm, R2 = 1 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340589 92215	PBRN123ET,215		PBRN123E T	NPN 800 mA, 40 V BISS RETs; R1 = 2.2 kOhm, R2 = 2.2 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340589 86215	PBRP113ET,215		PBRP113E T	PNP 800 mA, 40 V BISS RET; R1 = 1 kOhm, R2 = 1 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340589 88215	PBRP113ZT,215		PBRP113Z T	PNP 800 mA, 40 V BISS RET; R1 = 1 kOhm, R2 = 10 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340589 85215	PBRP123ET,215		PBRP123E T	PNP 800 mA, 40 V BISS RET; R1 = 2.2 kOhm, R2 = 2.2 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340582 59215	PDTA113ET,215		PDTA113E T	PNP resistor-equipped transistors; R1 = 1 kOhm, R2 = 1 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340581 95215	PDTA113ZT,215		PDTA113Z T	PNP resistor-equipped transistors; R1 = 1 kOhm, R2 = 10 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340348 70215	PDTA114TT,215		PDTA114T T	PNP resistor-equipped transistors; R1 = 10 kOhm, R2 = open	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340581 86215	PDTA115TT,215		PDTA115T T	PNP resistor-equipped transistors; R1 = 100	SOT23	TO-236AB	RFS							No					Bipolar Discretes

				kOhm, R2 = open															
9340546 96215	PDTA123ET,215		PDTA123E T	PNP resistor-equipped transistors; R1 = 2.2 kOhm, R2 = 2.2 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340546 96235	PDTA123ETVL		PDTA123E T	PNP resistor-equipped transistors; R1 = 2.2 kOhm, R2 = 2.2 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340599 39215	PDTA123TT,215		PDTA123T T	PNP resistor-equipped transistors; R1 = 2.2 kOhm, R2 = open	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340599 39235	PDTA123TT,235		PDTA123T T	PNP resistor-equipped transistors; R1 = 2.2 kOhm, R2 = open	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340581 87215	PDTA123YT,215		PDTA123Y T	PNP resistor-equipped transistors; R1 = 2.2 kOhm, R2 = 10 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340581 88215	PDTA124TT,215		PDTA124T T	PNP resistor-equipped transistors; R1 = 22 kOhm, R2 = open	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340575 25215	PDTA143TT,215		PDTA143T T	PNP resistor-equipped transistors; R1 = 4.7 kOhm, R2 = open	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340581 89215	PDTA144TT,215		PDTA144T T	PNP resistor-equipped transistors; R1 = 47 kOhm, R2 = open	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340581 91215	PDTA144VT,215		PDTA144V T	PNP resistor-equipped transistors; R1 = 47 kOhm, R2 = 10 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340589 78215	PDTB113ET,215		PDTB113E T	PNP 500 mA, 50 V resistor-equipped transistor; R1 = 1 kOhm, R2 = 1 kOhm	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340310 90215	PDTB114ETR		PDTB114E T	500 mA, 50 V PNP resistor-equipped transistors	SOT23	TO-236AB	RFS							No					Bipolar Discretes
9340310 90235	PDTB114ETVL		PDTB114E T	500 mA, 50 V PNP	SOT23	TO-236AB	RFS							No					Bipolar Discretes

				resistor-equipped transistors														
9340597 29215	PDTB123TT,215		PDTB123T T	PNP 500 mA, 50 V resistor-equipped transistor; R1 = 2.2 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340683 48215	PDTB143XTR		PDTB143X T	500 mA, 50 V PNP resistor-equipped transistors	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340683 48235	PDTB143XTVL		PDTB143X T	500 mA, 50 V PNP resistor-equipped transistors	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340349 00215	PDTC114TT,215		PDTC114T T	NPN resistor-equipped transistors; R1 = 10 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340349 00235	PDTC114TT,235		PDTC114T T	NPN resistor-equipped transistors; R1 = 10 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340575 27215	PDTC115ET,215		PDTC115E T	NPN resistor-equipped transistors; R1 = 100 kOhm, R2 = 100 kOhm	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340581 93215	PDTC115TT,215		PDTC115T T	NPN resistor-equipped transistors; R1 = 100 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340546 97215	PDTC123ET,215		PDTC123E T	NPN resistor-equipped transistors; R1 = 2.2 kOhm, R2 = 2.2 kOhm	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340546 97235	PDTC123ETVL		PDTC123E T	NPN resistor-equipped transistors; R1 = 2.2 kOhm, R2 = 2.2 kOhm	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340599 41215	PDTC123TT,215		PDTC123T T	NPN resistor-equipped transistors; R1 = 2.2 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340599 41235	PDTC123TT,235		PDTC123T T	NPN resistor-equipped transistors; R1 = 2.2 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340581 94215	PDTC123YT,215		PDTC123Y T	NPN resistor-equipped	SOT23	TO-236AB	RFS							No				Bipolar Discretes

				transistors; R1 = 2.2 kOhm, R2 = 10 kOhm														
9340581 94235	PDTC123YTR		PDTC123Y T	NPN resistor- equipped transistors; R1 = 2.2 kOhm, R2 = 10 kOhm	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340575 28215	PDTC124TT,215		PDTC124T T	NPN resistor- equipped transistors; R1 = 22 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340575 29215	PDTC124XT,215		PDTC124X T	NPN resistor- equipped transistors; R1 = 22 kOhm, R2 = 47 kOhm	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340550 64215	PDTC143TT,215		PDTC143T T	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340550 64235	PDTC143TT,235		PDTC143T T	NPN resistor- equipped transistors; R1 = 4.7 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340575 24215	PDTC144TT,215		PDTC144T T	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340581 84215	PDTC144VT,215		PDTC144V T	NPN resistor- equipped transistors; R1 = 47 kOhm, R2 = 10 kOhm	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340597 28215	PDTD123TT,215		PDTD123T T	NPN 500 mA, 50 V resistor- equipped transistors; R1 = 2.2 kOhm, R2 = open	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340683 51215	PDTD143XTR		PDTD143X T	500 mA, 50 V NPN resistor- equipped transistors	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340683 51235	PDTD143XTVL		PDTD143X T	500 mA, 50 V NPN resistor- equipped transistors	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340576 10215	PESD12VS2UT,21 5		PESD12VS 2UT	Double ESD protection diodes in SOT23 package	SOT23	TO-236AB	RFS							No				Bipolar Discretes
9340591 04215	PESD12VU1UT,21 5		PESD12VU 1UT	Ultra low capacitance ESD protection	SOT23	TO-236AB	RFS							No				Bipolar Discretes

				diode in SOT23 package															
934059105215	PESD15VU1UT,215		PESD15VU1UT	Ultra low capacitance ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934058066215	PESD24VS2UAT,215		PESD24VS2UAT	Double ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934663870215	PESD24VS2UAT-QR		PESD24VS2UAT-Q	Double ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934059106215	PESD24VU1UT,215		PESD24VU1UT	Ultra low capacitance ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934661191215	PESD24VV2BTR		PESD24VV2BT	Bidirectional double ESD protection diode	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934661193215	PESD27VV2BTR		PESD27VV2BT	Bidirectional double ESD protection diode	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934661479215	PESD2CANFD24L-TR		PESD2CANFD24L-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934660877215	PESD2CANFD24U-TR		PESD2CANFD24U-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934660879215	PESD2CANFD24V-TR		PESD2CANFD24V-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934661481215	PESD2CANFD27L-TR		PESD2CANFD27L-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934660881215	PESD2CANFD27U-TR		PESD2CANFD27U-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934660876215	PESD2CANFD27V-TR		PESD2CANFD27V-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934070274215	PESD2IVN24-TR		PESD2IVN24-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934660307215	PESD2IVN27-TR		PESD2IVN27-T	ESD protection for In-vehicle networks	SOT23	TO-236AB	RFS							No					Bipolar Discretes
934058062215	PESD3V3S2UAT,215		PESD3V3S2UAT	Double ESD protection diode in	SOT23	TO-236AB	RFS							No					Bipolar Discretes

				SOT23 package															
9340591 01215	PESD3V3U1UT,21 5		PESD3V3U 1UT	Ultra low capacitance ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9346610 38215	PESD42VS2UTR		PESD42VS 2UT	Double ESD protection diode array	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9340591 03215	PESD5V0U1UT,21 5		PESD5V0U 1UT	Ultra low capacitance ESD protection diode in SOT23 package	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9340309 60215	PLVA2668A,215		PLVA2668 A	Low-voltage avalanche regulator double diodes	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9339122 10215	PMBD353,215		PMBD353	Schottky barrier double diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9339122 10235	PMBD353,235		PMBD353	Schottky barrier double diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9340572 57215	PMBD354,215		PMBD354	Schottky barrier double diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9338592 20215	PMBD6050,215		PMBD605 0	High-speed diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9338592 20235	PMBD6050,235		PMBD605 0	High-speed diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9338592 30215	PMBD6100,215		PMBD610 0	High-speed double diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9338592 10215	PMBD7000,215		PMBD700 0	Double high-speed switching diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9338592 10235	PMBD7000,235		PMBD700 0	Double high-speed switching diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9340579 73215	PMBD7100,215		PMBD710 0	High-speed double diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9338568 70215	PMBD914,215		PMBD914	Single high-speed switching diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9338568 70235	PMBD914,235		PMBD914	Single high-speed switching diode	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9339728 90215	PMBS3904,215		PMBS390 4	NPN general purpose transistor	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9339728 90235	PMBS3904,235		PMBS390 4	NPN general purpose transistor	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9339728 80215	PMBS3906,215		PMBS390 6	40 V, 100 mA PNP general-purpose transistor	SOT23	TO-236AB	RFS								No				Bipolar Discretes
9339728 80235	PMBS3906,235		PMBS390 6	40 V, 100 mA PNP general-purpose transistor	SOT23	TO-236AB	RFS								No				Bipolar Discretes

9338288 90215	PMBT2369,215		PMBT236 9	NPN switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338288 90235	PMBT2369,235		PMBT236 9	NPN switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338468 40215	PMBT2907,215		PMBT290 7	40V, 600 mA, PNP switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338218 00215	PMBT2907A,215		PMBT290 7A	60V, 600 mA, PNP switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338218 00235	PMBT2907A,235		PMBT290 7A	60V, 600 mA, PNP switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338213 40215	PMBT4403,215		PMBT440 3	40 V, 600 mA, PNP switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338213 40235	PMBT4403,235		PMBT440 3	40 V, 600 mA, PNP switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338213 40185	PMBT4403Z		PMBT440 3	40 V, 600 mA, PNP switching transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338457 20215	PMBT5550,215		PMBT555 0	NPN high- voltage transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338457 20235	PMBT5550,235		PMBT555 0	NPN high- voltage transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338726 30215	PMBT6429,215		PMBT642 9	NPN general purpose transistors	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338165 20215	PMBTA13,215		PMBTA13	NPN Darlington transistors	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9337760 90185	PMBTA42,185		PMBTA42	300 V, 100 mA NPN high- voltage transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9337760 90215	PMBTA42,215	PMBTA42,215	PMBTA42	300 V, 100 mA NPN high- voltage transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9337760 90235	PMBTA42,235		PMBTA42	300 V, 100 mA NPN high- voltage transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9340636 06215	PMBTA45,215		PMBTA45	500 V, 150 mA NPN high- voltage low VCEsat (BISS) transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9338164 80215	PMBTA64,215		PMBTA64	PNP Darlington transistor	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9340610 52215	PMEG2010AET,215		PMEG201 0AET	1 A very low VF MEGA Schottky barrier rectifiers	SOT23	TO-236AB	RFS									No			Bipolar Discretes
9340617 52215	PMEG3005CT,215		PMEG300 5CT	500 mA low V_F dual MEGA Schottky barrier rectifier	SOT23	TO-236AB	RFS									No			Bipolar Discretes

