



Discontinuation Notification

202005032DN

Issue Date: 10-Jun-2020

Effective Date: 11-Jun-2020

Dear Customer,

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

For detailed information we invite you to [view this notification online](#)



This notice is NXP Company Proprietary.

Product Discontinuation Notice PL SAS_May 2020_A&K

Discontinuation Information

This Discontinuation Notice confirms to your company that NXP Semiconductors (NXP) is now discontinuing the manufacture of a number of its integrated circuits and discrete semiconductors listed in the Part Type Affected list included with this notification. In accordance with NXP product discontinuation policy and JEDEC EIA/JESD48, we are hereby giving notice of these product changes so that our customers and partners can adjust their product purchasing records, or make any final lifetime purchases of the discontinued products that can still be supplied by NXP.

While this Discontinuation Notice contains a number of NXP discontinued end-of-life Product Types, the Part Types Affected (PTA) list represents a small percentage of NXP overall semi-conductors product portfolio. Some of these discontinued products have had little to no recent sales history or they are at the end-of-life (EOL) stage. The PTA list may also cover a number of versions or selections of the same basic Product Type.

We regret the inconvenience and impact this notice may cause. NXP Semiconductors' sales, marketing and distribution personnel stand ready to assist you in placing our customers and partners's final orders, or in providing product information you require. On behalf of NXP Semiconductors, we appreciate your understanding and assistance in helping us to help you minimize the impact of this product discontinuation on your company. We look forward to NXP Semiconductors' continued support of your company's semiconductor requirements in the years to come.

Additional information

Affected products and sales history information: see attached file

Terms and Conditions

Last Time Buy Terms and Conditions

Carefully review this information and notify your purchasing offices and buyers to place your company's final purchases for available discontinued products with NXP as soon as possible according to the following last time buy terms and conditions.

GENERAL:

Last time ordering conditions may vary by product. Refer to Parts Types Affected List. The Last Time Buy Date automatically expires when the final available discontinued part type inventory quantity or production unit has been scheduled and/or sold by NXP.

1. DELIVERY DATES:

Last time delivery conditions may vary by product. Refer to the DN Parts Affected List. NXP final delivery date(s) may be affected by limited supply conditions.

2. ORDER PLACEMENT:

Discontinued product orders placed with NXP are to be clearly identified as a "Last Time Buy" order. Each order must: (a) reference NXP Discontinuation Notice that applies (b) contain your company's requested delivery dates per this notice; (c) be within the minimum order quantity requirements in an existing volume purchase agreement or meet NXP standard minimum order policy; and (d) otherwise conform to all other applicable conditions in this notice.

3. PRICING:

The unit sales price for purchase of the available discontinued products covered by this notice will be as follows:

a.) If a current signed volume purchase agreement is on file in NXP contracts-legal department, the unit price will be the effective agreement part type unit price for any unordered product quantities covered by such agreement. For quantities beyond the applicable unordered volume agreement quantity, the unit price will be subject to negotiation.

b.) If a valid offer-to-sell standalone quote is still in effect during the last time ordering period, the unit price shall remain as originally quoted by NXP for the offered part type quantities until the quote has expired, or until the quoted quantities have been purchased.

c.) Where a volume purchase agreement or a NXP standalone quote is not in effect, the product unit price will be subject to NXP individual price quotation of your company's last time buy requirements.

4. ACKNOWLEDGEMENT & DELIVERY:

NXP will acknowledge (Confirm) each acceptable discontinued product order in writing or by electronic data interchange ("EDI"), and NXP will use its good faith efforts to meet your company's requested delivery date(s)

wherever possible. However, NXP confirmed delivery date(s) are deemed to be approximate because of the special circumstances associated to last time product manufacturing conditions.

5. ORDER ACCEPTANCE/CHANGECONDITIONS:

a) NXP will accept last time discontinued products orders from your company as "Firm and Final". As such, these discontinued products orders will not be subject to reschedule, cancellation, or termination by your company without NXP prior written authorization and payment of termination charges for the ordered discontinued products at the full product unit sales price.

b) NXP reserves its right to make changes in NXP confirmed scheduled delivery dates, or to terminate any remaining undelivered quantities of your company's last time buy order(s), at any time, due to changes in NXP last time manufacturing capabilities, or for commercially impracticable circumstances, which makes delivery not feasible.

6. QUANTITIES:

The following priority supply conditions apply to final buy quantities for available discontinued products.

a) FIRST: The quantities in any existing unfilled orders and contracts acknowledged by NXP will be honored, then

b) NEXT: The unfilled quantities in any volume agreement(s) or quantities in unexpired standalone quote(s) will be accepted, and

c) FINALLY: NXP shall, where possible, reasonably accept additional quantities of discontinued product order quantities that NXP quotes based upon your company's identified requirements.

IN THE EVENT OF CONFLICT FOR LIMITED AVAILABILITY DISCONTINUED PRODUCTS, THE QUANTITIES FOR NXP CUSTOMERS, OR NXP DISTRIBUTORS, ORDERS WILL BE DETERMINED BY NXP ON A "FIRST-COME FIRST-SERVE BASIS". THESE DISCONTINUED PRODUCTS ORDER QUANTITIES WILL ALSO BE SUBJECT TO NXP AVAILABLE INVENTORY AND REMAINING MANUFACTURING CAPACITY FOR THE DISCONTINUED PRODUCTS.

7. DISTRIBUTION SALES:

If you are a NXP distributor customer, please contact your authorized NXP distributor sales representative for assistance in planning and making any last time purchase(s) of available discontinued products. Such purchases are to be negotiated solely between your company and the distributor. You may also find additional information about NXP discontinued products on our discontinued products Internet web site at:

<http://www.nxp.com/products/eol/> or Extranet site link

8. LIMITED WARRANTY:

All discontinued product orders subject to this notice shall carry (a) NXP standard limited warranty as contained in NXP order acknowledgement or confirmation form, or (b) the applicable warranty set forth in a duly executed formal contract between NXP and your company; provided that:

- a) NXP will accept all valid discontinued product warranty claims for credit only, unless a replacement order is otherwise agreed to by NXP and the replacement product(s) can still be manufactured or otherwise delivered from NXP remaining product inventory; and
- b) The applicable warranty period for making any return claims for discontinued products subject to this notice will be no longer than ninety (90) days following final delivery date of the discontinued products; and
- c) Any return claims must be made under NXP current Return Material Authorization ("RMA") procedures.
- d) Except for NXP special distributor stock rotation policy returns only, there is no restocking of purchased discontinued product quantities allowed by NXP from its customers or from its distributors.

Disclaimer and Additional Provisions

Except as provided for elsewhere in this notice, the applicable terms and conditions of sale for NXP discontinued products will be the unmodified standard terms and conditions in NXP order acknowledgement or order confirmation form, incorporated herein in its entirety by this reference. Otherwise, the applicable, the terms and conditions contained in a duly signed contract in force between our companies shall apply.

NXP SEMICONDUCTORS ACCEPTS NO LIABILITY FOR EXCESS REPROCUREMENT COSTS, LABOR COSTS, OR LIABILITY FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WHATSOEVER ASSOCIATED TO NXP DISCONTINUED PRODUCTS, OR ASSOCIATED WITH NXP FINAL MANUFACTURE AND PERFORMANCE AGAINST ANY LAST TIME BUY ORDERS RELATED TO THE DISCONTINUED PRODUCTS COVERED BY THIS NOTICE.

Discontinued Product Terminology: Part Types Affected List

- **Orderable Part Number**
NXP Part Number which includes part type and packing designator as referenced on the Customer order.
- **Customer Part Number**
Customer Part Number as referenced in the NXP 3 year order/ship history.
- **Discontinued Part Number**
NXP part number as carried by NXP Product Data Management database (Enovia)
- **Discontinuation Type**
Short description of the withdrawal status. Products listed as Full Withdrawal indicate that all Product Types with similar functionality are being discontinued. Products listed as Version Withdrawal indicates that a specific version or package is being discontinued but at least one other Product Type with similar functionality is still available.
- **Availability Non-Manufacturable:**

Some Product Types may not be available and are identified as Non-Manufacturable. NXP can no longer produce these products and no supply or inventory exists for various reasons such as not acceptable product quality or unique manufacturing restrictions. Non-Manufacturable products cannot have a last time buy for commercially impracticable reasons.

- **Availability Limited:**

For Limited Availability Product Types, a unique manufacturing or limited inventory or time condition exists. Where Limited Availability coded products are still manufacturable, a limited quantity of the Product Type has been, or will be, produced within NXP remaining capacity to meet our customers, or our distributors, commercially reasonable last time buy orders. Limited Availability products will be scheduled by NXP on a first-come/first-serve basis until the remaining Product Type manufacturing capacity or inventory is depleted. When the inventory for the Limited Availability Product Type is depleted, no additional last time buy order Product Type quantities can be supplied by NXP.

- **Availability Standard End of Life:**

Standard End of Life Products Types have no known supply restriction and NXP customers and distributors' last time buy orders can be met according to NXP discontinued product (DOD) policy.

- **Source**

Sole Source indicates that the Product Type being discontinued is unique to NXP Semiconductors. Multiple Sources indicates that the Product Type being discontinued could be available through other suppliers.

- **Discontinued Part Last Time Buy Date**

Date indicates the last date NXP will accept an order on the discontinued product. NXP allows a six (6) month last order period for discontinued products. Last Time Buying is not possible for "Non-Manufacturable" discontinued products. "Limited availability" discontinued products are subject to the remaining product inventory, or limited manufacturing conditions set forth in the DN notice. Ordering shall be limited on a first-come/first serve condition until the remaining product capacity or inventory has been sold. All Last Time Buy order periods are measured from the Issue Date of the Discontinuation Notice.

- **Discontinued Part Last Time Delivery Date**

Date indicates the last date NXP will ship a discontinued product. Unless a Non-Manufacturable or Limited Availability condition and shorter time period is indicated in the PTA, NXP allows a twelve (12) month delivery time period for discontinued products measured from the Issue Date of the Discontinuation Notice. (For some products, NXP may extend the Last Time Delivery date beyond the standard horizon.)

- **Discontinued Part 12nc**

NXP 12nc number represents the NXP master internal manufacturing control identification number for reference to each part type, version of the part type or packaging/conditioning (3 last digits), being discontinued

- **Discontinued Part Description**

NXP short Product Type description or a brief Product Type description of the discontinued product supplied by the responsible Product Group.

- **Package Name:**

Discontinued Part Number Package Type description

- **Replacement Part Number**

Any known NXP replacement product for the discontinued NXP type number is reference only information. NXP replacement part designation is NOT intended as a statement of warranty, or an indication that the

listed replacement product meets the same form, fit, function or performance of the discontinued product until such time as NXP customers or distributors qualify such product to their specifications.

- **Replacement 12nc**

Any known NXP replacement 12nc for the discontinued NXP type number is reference only information. NXP replacement part designation is NOT intended as a statement of warranty, or an indication that the listed replacement product meets the same form, fit, function or performance of the discontinued product until such time as NXP customers or distributors qualify such product to their specifications.

- **Remarks**

Additional information about the discontinued products

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please [contact NXP "Global Quality Support Team"](#).

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

Name Wali Ahmad
Position Principal Customer Quality Engineer
e-mail address wali.ahmad@nxp.com

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

Customer Focus, Passion to Win.

NXP Quality Management Team.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

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NXP Semiconductors

High Tech Campus, 5656 AG Eindhoven, The Netherlands

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Discontinued Orderable Part Number	Discontinued Part 12NC	Discontinued Part Number	Discontinued Part Description	Package Outline	Package Name	Status	Discontinuation Type	Availability	Source	Last Time Buy Date	Last Time Delivery Date	CSI Replacement Orderable Part#	Replacement 12NC	Replacement Part Number	Replacement Part Description	Remarks	Last Edited By	Last Edit Date
89402,215	93405520215	8B1V0	VHF variable capacitance diode	SOT72	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Dec-2021	1-Dec-2024N						Wal Ahmad	5-Jun-2020
8817X	93406773115	8B173	Varicap diode	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Dec-2021	1-Dec-2024N						Wal Ahmad	5-Jun-2020
8FT2A,215	934008980215	8FT2A	NPN 5 GHz wideband transistor	SOT23	TO-236AB	RFS	Full Withdrawal	Limited	Sole source	1-Dec-2020	1-Jun-2021N						Wal Ahmad	5-Jun-2020
BLT1,115	93401990115	BLT1	UMW power transistor	SOT23	SC-73	RFS	Full Withdrawal	Limited	Sole source	1-Dec-2020	1-Jun-2021N						Wal Ahmad	5-Jun-2020
8F52A,115	93402180115	8F52A	NPN 5 GHz wideband transistor	SOT23	SC-70	RFS	Full Withdrawal	Limited	Sole source	1-Dec-2020	1-Jun-2021N						Wal Ahmad	5-Jun-2020
8F86L,215	93404350215	8F86L	N-channel junction FET	SOT23	TO-236AB	RFS	Full Withdrawal	Limited	Sole source	1-Dec-2020	1-Jun-2021N						Wal Ahmad	5-Jun-2020
8F109R,215	934020330215	8F109R	Dual gate N-channel MOSFET	SOT143R	SOT4	RFS	Full Withdrawal	Limited	Sole source	1-Dec-2020	1-Jun-2021N						Wal Ahmad	5-Jun-2020
8A09L,115	93405530115	8A09	BANDSWITCH DIODES	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8A89,115	93405528215	8A89	BANDSWITCH DIODES	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP51-03,115	934055509115	8AP51-03	PIN DIODE	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP44-03,115	93405511115	8AP44-03	PIN DIODE	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP44-02,115	934055512115	8AP44-02	PIN DIODE	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Dec-2021	1-Dec-2024N						Wal Ahmad	5-Jun-2020
8AP50-04,215	934055687215	8AP50-04	PIN DIODE	SOT723	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP54-04,215	93405568215	8AP54-04	PIN DIODE	SOT723	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP51-02,115	934055889115	8AP51-02	SILICON MMICs	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B149,115	934055909115	8B149	VCO VARICAP	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP54-05W,115	93405523215	8AP54-05W	PIN DIODE	SOT723	SC-70	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2022	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP54-04W,115	934056233115	8AP54-04W	PIN DIODE	SOT723	SC-70	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B201,215	934056470215	8B201	VARICAP DIODE	SOT723	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP70-04W,115	934056522115	8AP70-04W	PIN DIODE	SOT723	SC-70	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP65-02,115	934056546115	8AP65-02	PIN DIODE	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP65-05W,115	93405649115	8AP65-05W	PIN DIODE	SOT723	SC-70	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP70-02,115	934056619115	8AP70-02	PIN DIODE	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP70-03,115	93405620115	8AP70-03	PIN DIODE	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP65-03,215	93405664215	8AP65-03	PIN DIODE	SOT723	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B202,115	934056920115	8B202	VARICAP FM TUNING	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Dec-2021	1-Dec-2024N						Wal Ahmad	5-Jun-2020
8AP70-05,215	93405758215	8AP70-05	PIN DIODE	SOT723	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B207,215	934057928215	8B207	RADIO VARICAP	SOT723	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B207,235	934057928235	8B207	RADIO VARICAP	SOT723	TO-236AB	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B208-02,115	934057929115	8B208-02	RADIO VARICAP	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B208-03,115	934057931115	8B208-03	RADIO VARICAP	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B208-03,135	934057931135	8B208-03	RADIO VARICAP	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP70-04W,115	934057966115	8AP70-04W	PIN DIODE	SOT723	SC-70	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Dec-2021	1-Dec-2024N						Wal Ahmad	5-Jun-2020
8AP70AM,115	934059306115	8AP70AM	PIN DIODE	SOT783	SC-88	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP70AM,135	934059306135	8AP70AM	PIN DIODE	SOT783	SC-88	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP55L,115	934061239115	8AP55L	PIN DIODE	S008820	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP54L,115	934061242115	8AP54L	PIN DIODE	S008820	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP64L,125	934064656125	8AP64L	Quad pin diode	SOT753	S05	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP70L,125	934064672125	8AP70L	Quad pin diode	SOT753	S05	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8AP70-02/DG/BX	934064696115	8AP70-02/DG/B2	PIN DIODE	S00523	SC-79	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Dec-2021	1-Dec-2024N						Wal Ahmad	5-Jun-2020
8B170X	934067719115	8B170	Varicap diode	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
8B17X	934067721115	8B171	Varicap diode	S00023	S002	RFS	Full Withdrawal	Standard End-of-Life Multiple source		1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020
PM81177,215	933908930215	PM81177	P-channel si. field-effect trans.	SOT23	TO-236AB	RFS	Full Withdrawal	Limited	Sole source	1-Jun-2021	1-Jun-2022N						Wal Ahmad	5-Jun-2020

Limited supply. In case of questions, please contact your NXP representative. Wal Ahmad