



## Discontinuation Notification

202203009DN : Part Number Migration due to S32V234 Silicon Revision from 1N81U to 2N81U

**Note:** This notice is NXP Company Proprietary.

**Issue Date:** Jun 02, 2022 **Effective date:** Jun 03, 2022

Here is your personalized notification about a NXP general announcement.  
For detailed information we invite you to view this notification online

### PCN Overview

#### Discontinuation Information

As previously mentioned in Advanced PCN 202109010A, NXP is announcing the silicon revision for the S32V234 from 1N81U to 2N81U.

To support the transition to 2N81U silicon revision, this Discontinuance Notification is being issued with new replacement part numbers and qualification results for silicon revision 2N81U. New replacement part numbers are required due to silicon revision and product marking change. For custom specific part numbers, please contact sales.

Any orders on the existing part numbers (1N81U) that will not be fulfilled will need to be transitioned to the equivalent replacement part number (2N81U). Due to the timing of the transition to the new silicon revision (2N81U), it is required to accelerate migration to new replacement part numbers. Samples of the new silicon revision are available June 2022 with volume production in December 2022, dates subject to change. For orders transition timing, please contact your local sales or distribution representative.

Security issues are addressed in this silicon revision. Please contact NXP PSIRT (psirt@nxp) for details.

A new Errata for S32V234 for 2N81U silicon revision will be issued (S32V234\_2N81U Rev. 1). Errata contents remain the same as Errata for 1N81U silicon revision.

The S32V234 Errata is attached with this notification or can be found at:  
[https://www.nxp.com/products/processors-and-microcontrollers/arm-processors/s32v2-vision-mpus-/s32v2-processors-for-vision-machine-learning-and-sensor-fusion:S32V234?fsp=1&tab=Documentation\\_Tab](https://www.nxp.com/products/processors-and-microcontrollers/arm-processors/s32v2-vision-mpus-/s32v2-processors-for-vision-machine-learning-and-sensor-fusion:S32V234?fsp=1&tab=Documentation_Tab)

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DE-04, SEM-DS-02

Samples are available under part numbers listed below:

KC32V234CJN2VUB  
KS32V232CKN2VUB  
KS32V234CKN2VUBR  
KS32V234CON2VUB  
KS32V234CON2VUB

KS32V234CON2VUBR

Note: Published Product Change Notification 202104037F01 regarding ATKL Assembly Site Expansion from ATK4 is still valid for the existing (1N81U) silicon revision and encompasses the replacement (2N81U) part numbers as well.

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.

## Terms and Conditions

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### 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 up to the communicated last time buy date, 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.

d.) Where a volume purchase agreement or NXP standalone quote specifies different pricing by year and/or quantity, the price shall be that applicable to the year in which the last time buy purchase order is accepted by NXP.

#### 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**

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- **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

## Reason for Discontinuance

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Security issues are addressed in this silicon revision.

### Additional information

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Additional documents: [view online](#)

## Contact and Support

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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:

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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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Discontinued Orderable Part Number	Discontinued Part 12NC	Discontinued Product Type	Discontinued Part Description	Package Outline	Package Description	Product Status	Discontinuation Type	Availability	Source	Last Time Buy Date	Last Time Delivery Date	Customer Specific Indicator	Replacement Orderable Part#	Replacement 12NC	Replacement Product Type	Replacement Part Description	Product Line
F52V2280N1VUB	9313814617	F52V2280N1VUB	DP, GPU, NO CSE, 800MHz	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814617	F52V2280N1VUB	DP, GPU, NO CSE, 800MHz	BLAC
F52V2280N1VUB	9313814618	F52V2280N1VUB	DP, CSE, 1.5GHz DUAL CORE	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814618	F52V2280N1VUB	DP, CSE, 1.5GHz DUAL CORE	BLAC
F52V2280N1VUB	9313814619	F52V2280N1VUB	DP, CSE, 1.5GHz DUAL CORE	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814619	F52V2280N1VUB	DP, CSE, 1.5GHz DUAL CORE	BLAC
F52V2280N1VUB	9313814620	F52V2280N1VUB	AI Runner	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814620	F52V2280N1VUB	AI Runner	BLAC
F52V2280N1VUB	9313814621	F52V2280N1VUB	DP, No GPU, NO CSE	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814621	F52V2280N1VUB	DP, No GPU, NO CSE	BLAC
F52V2280N1VUB	9313814622	F52V2280N1VUB	DP, No GPU, CSE, Low p	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814622	F52V2280N1VUB	DP, No GPU, CSE, Low p	BLAC
F52V2280N1VUB	9313814623	F52V2280N1VUB	DP, GPU, NO CSE, 800MHz	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814623	F52V2280N1VUB	DP, GPU, NO CSE, 800MHz	BLAC
F52V2280N1VUB	9313814624	F52V2280N1VUB	DP, CSE, 1.5GHz, 4 cores	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814624	F52V2280N1VUB	DP, CSE, 1.5GHz, 4 cores	BLAC
F52V2280N1VUB	9313814625	F52V2280N1VUB	DP, GPU, No CSE, 1.5GHz	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814625	F52V2280N1VUB	DP, GPU, No CSE, 1.5GHz	BLAC
F52V2280N1VUB	9313814626	F52V2280N1VUB	DP, GPU, CSE, 1.5GHz, 4 co	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814626	F52V2280N1VUB	DP, GPU, CSE, 1.5GHz, 4 co	BLAC
F52V2280N1VUB	9313814627	F52V2280N1VUB	AI Runner	FCP9A6221	SOT1483-1	RFS	Version Withdrawal	Limited Availability	Sub-Source	Dec 02, 2022	Jan 02, 2023	No	F52V2280N1VUB	9313814627	F52V2280N1VUB	AI Runner	BLAC