



Discontinuation Notification

201908018DN

Issue Date: 03-Dec-2019

Effective Date: 04-Dec-2019

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



QUALITY

Discontinuation Notification For MPC5675K 257MAPBGA With 0.7mm Mold Cap Height

Discontinuation Information

As previously announced in pre alert notification 201905002A issued June 2019, the mold cap height will be increased from 0.7mm to 0.8mm on the MPC5675K in the 257MAPBGA. In order to implement this change, NXP will discontinue the MPC5675K in the current 0.7mm mold cap height package and request customers to migrate to the newly qualified 0.8mm mold cap height package.

Maximum package height will change from 1.51mm to 1.61mm.

Package mechanical data for 257 MAPBGA 14*14 in the MPC5675K datasheet will be updated. No change to electrical specifications or performance of the device in the datasheet.

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-01, SEM-PA-01, SEM-PA-21.

Please see the attached file(s) for additional details for samples availability.

New revision datasheet with updated package drawing and orderable part information will be issued. Please refer to this URL:

https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc55xx-5xxx-mcus/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc567xk-mcu-for-automotive-industrial-radar-applications:MPC567xK?tab=Documentation_Tab

Please engage with your local NXP contact to define a migration timeline.

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 Digi-Key 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 Digi-Key'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

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

Reason for Discontinuance

New part numbers are needed for MPC5675K in the 257MAPBGA due to the change in package height. Maximum package height will change from 1.51mm to 1.61mm. No other dimensional changes to the package.

Quality and reliability will improve with reduction of potential chlorine contamination risk.

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 Kenn Yong Chia
Position Product Engineer
e-mail address kennyong.chia@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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Discontinued Orderable Part Number	Discontinued Part 12NC	Discontinued Part Number	Last Time Buy Date	Last Time Delivery Date	Replacement Orderable Part#	Replacement part 12NC	Replacement Part Number
SPC5673KAVMM1	93531855457	SPC5673KAVMM1	30-Nov-2020	30-Nov-2021	SPC5673KAVJM1	93539847557	SPC5673KAVJM1
SPC5673KAVMM1R	935318554518	SPC5673KAVMM1R	30-Nov-2020	30-Nov-2021	SPC5673KAVJM1R	935398475518	SPC5673KAVJM1R
SPC5673KF0VMM1R	935310915518	SPC5673KF0VMM1R	30-Nov-2020	30-Nov-2021	SPC5673KF0VJM1R	935398578518	SPC5673KF0VJM1R
SPC5674KAVMM2	935325971557	SPC5674KAVMM2	31-Aug-2020	30-Nov-2020	SPC5674KAVJM2	935398581557	SPC5674KAVJM2
SPC5674KAVMM2R	935325971518	SPC5674KAVMM2R	31-Aug-2020	30-Nov-2020	SPC5674KAVJM2R	935398581518	SPC5674KAVJM2R
SPC5675KF0MMM2	935314851557	SPC5675KF0MMM2	31-Aug-2020	30-Nov-2020	SPC5675KF0MJM2	935398467557	SPC5675KF0MJM2
SPC5675KFAVMM2	935315932557	SPC5675KFAVMM2	31-Aug-2020	30-Nov-2020	SPC5675KFAVJM2	935398477557	SPC5675KFAVJM2
SPC5675KFAVMM2R	935315932518	SPC5675KFAVMM2R	30-Nov-2020	30-Nov-2021	SPC5675KFAVJM2R	935398477518	SPC5675KFAVJM2R
SPC5675KFF0MMM2	935318002557	SPC5675KFF0MMM2	31-Aug-2020	30-Nov-2020	SPC5675KFF0MJM2	935398468557	SPC5675KFF0MJM2
SPC5675KFF0VMM2	935321996557	SPC5675KFF0VMM2	31-Aug-2020	30-Nov-2020	SPC5675KFF0VJM2	935398471557	SPC5675KFF0VJM2
SPC5675KFF0VMM2R	935321996518	SPC5675KFF0VMM2R	30-Nov-2020	30-Nov-2021	SPC5675KFF0VJM2R	935398471518	SPC5675KFF0VJM2R
SPC5675KFK0MMM2	935371937557	SPC5675KFK0MMM2	31-Aug-2020	30-Nov-2020	SPC5675KFK0MIM2	935398478557	SPC5675KFK0MIM2