



## Final Product Change Notification

202207003F01 : i.MXRT1170 Room Test Elimination

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

**Issue Date:** Jul 27, 2022 **Effective date:** Oct 25, 2022

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### Change Category

Wafer Fab Process     Assembly Process     Product Marking     Test Process     Design  
 Wafer Fab Materials     Assembly Materials     Mechanical Specification     Test Equipment     Errata  
 Wafer Fab Location     Assembly Location     Packing/Shipping/Labeling     Test Location     Electrical spec./Test coverage  
 Firmware     Other

### PCN Overview Description

NXP Semiconductors announces room temperature test elimination from the Final Test production flow for the i.MXRT1170 associated with this notification. Room test performance is covered by Probe Test and the remaining Final Test production flow.

Current Production Final Test Flow:  
ROOM Final Test - HOT Final Test - COLD Final Test with in-line QA Gate Tests  
New Production Final Test Flow:  
HOT Final Test - COLD Final Test with in-line QA Gate Tests

This evaluation has been successfully completed according to NXP specifications.  
Corresponding ZVEI Delta Qualification Matrix ID: SEM-QG-01.

### Reason

Qualification of room temperature test elimination for improved capacity and customer supply assurance.

### Identification of Affected Products

Product identification does not change

### Product Availability

### Sample Information

Not Applicable

**Production**

Planned first shipment Oct 17, 2022

**Anticipated Impact on Form, Fit, Function, Reliability or Quality**

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No Impact on form, fit, function, reliability or quality

**Disposition of Old Products**

Existing inventory will be shipped until depleted

**Additional information**

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Self qualification: view online

Additional documents: view online

**Timing and Logistics**

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In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Aug 26, 2022.

**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:

<b>Name</b>	Kevin Wang
<b>Position</b>	Product Engineer
<b>e-mail address</b>	Chenguang.wang@nxp.com

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NXP Quality Management Team.

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NXP Semiconductors  
High Tech Campus, 5656 AG Eindhoven, The Netherlands

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
MIMXRT1171AVM8A	935416772557	MIMXRT1171AVM8A	i.MXRT1170, Auto,289BGGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1171AVM8AR	935416772518	MIMXRT1171AVM8AR	i.MXRT1170, Auto,289BGGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1175AVM8A	935416779557	MIMXRT1175AVM8A	i.MXRT1170, Auto,289BGGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1176AVM8A	935416203557	MIMXRT1176AVM8A	i.MXRT1170 Auto, 289BGGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1176AVM8AR	935416203518	MIMXRT1176AVM8AR	i.MXRT1170 Auto, 289BGGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT117FAVM8A	935421521557	MIMXRT117FAVM8A	i.MXRT117F, Auto,289BGGA	(L)FBGA289M	SOT1534-4	ASM	No	BLAM
MIMXRT117HAVM8A	935421524557	MIMXRT117HAVM8A	i.MXRT117H, Auto,289BGGA	(L)FBGA289M	SOT1534-4	ASM	No	BLAM
MIMXRT1172AVM8A	935416775557	MIMXRT1172AVM8A	RT1172,1052/1062 Upd,A	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1172AVM8AR	935416775518	MIMXRT1172AVM8AR	RT1172,1052/1062 Upd,A	(L)FBGA289M	SOT1534-4	RFS	No	BLAM