



## Customer Information Notification

202307008I : i.MX RT1160 Data Sheet Update to Rev 3

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

**Issue Date:** Jan 06, 2024 **Effective date:** Jan 07, 2024

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### Management summary

Data sheet update to Revision 3 for i.MX RT1160.

### Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<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 Location	<input type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware <input checked="" type="checkbox"/> Other: Data Sheet				

## PCN Overview

### Description

NXP Semiconductor announces a data sheet update to revision 3 for i.MX RT1160. The revision history included in the updated document provides a detailed description of the changes.

Changes are summarized below:

1. From Section 5.2, Boot device interface allocation, removed the table describing UART12 as a boot interface.
2. In Table 58. FlexSPI output timing in SDR mode, updated the value of TDVO max to 4ns and TDHO min to 2ns.
3. Removed "Pad to IPP\_IND" and "IPP\_IND" specs from Table 39, AC specifications for GPIO\_AD/GPIO\_LPSR/GPIO\_DISP\_B2 bank.

The i.MX RT1160 data sheet is attached to this notice, and can be found at:

<https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/i-mx-rt-crossover-mcus/i-mx-rt1160-crossover-mcu-dual-core-arm-cortex-m7-and-cortex-m4:i.MX-RT1160>

### Reason

The data sheet has been updated to correct errors.

### Identification of Affected Products

Product identification does not change

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

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

**Data Sheet Revision**

A new datasheet will be issued

**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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NXP Quality Management Team.

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Orderable Part Number#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
MIMXRT1165CVM5A	935421516557	MIMXRT1165CVM5A	i.MXRT1165, Indus,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1165DVM6A	935421517557	MIMXRT1165DVM6A	i.MXRT1165, Conm,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1166CVM5A	935421518557	MIMXRT1166CVM5A	RT1166,600MHz M7 w/M4,I	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1166DVM6A	935421519557	MIMXRT1166DVM6A	RT1166,600MHz,M7 w/M4,C	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1165XVM5A	935424213557	MIMXRT1165XVM5A	i.MXRT1165 Ind 125c	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1166XVM5A	935424214557	MIMXRT1166XVM5A	i.MXRT1166 Ind 125c	(L)FBGA289M	SOT1534-4	RFS	No	BLM1