



Customer Information Notification

202111033I : i.MX RT1170 Data Sheet Update to Rev 2 and i.MX RT1160 Data Sheet Update to Rev 1

Note: This notice is NXP Company Proprietary.

Issue Date: Dec 11, 2021 **Effective date:** Dec 12, 2021

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Management summary

Data sheet update to revision 2 for i.MX RT1170 and a data sheet update to revision 1 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 checked="" 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 2 for i.MX RT1170 and a data sheet update to revision 1 for i.MX RT1160. The revision history included in the updated document provides a detailed description of the changes. Please refer to attached Change_summary.pdf file for detail update.

The i.MX RT1170 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-rt1170-crossover-mcu-family-first-ghz-mcu-with-arm-cortex-m7-and-cortex-m4-cores:i.MX-RT1170?tab=Documentation_Tab&linkline=Data-Sheet

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-family-high-performance-mcu-with-arm-cortex-m7-and-cortex-m4-cores:i.MX-RT1160?tab=Documentation_Tab&linkline=Data-Sheet

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02

Reason

The data sheet has been updated to correct errors and/or provide additional technical clarification on some device features.

Identification of Affected Products

Product identification does not change

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

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

Data Sheet Revision

A new datasheet will be issued

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 technical support
e-mail address tech.support@nxp.com

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
MIMXRT1176AVM8AR	935416203518	MIMXRT1176AVM8AR	i.MXRT1170 Auto, 289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1176AVM8A	935416203557	MIMXRT1176AVM8A	i.MXRT1170 Auto, 289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1176CVM8A	935416204557	MIMXRT1176CVM8A	i.MXRT1170, Indus,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1176DVM8A	935416205557	MIMXRT1176DVM8A	i.MXRT1170, 289MAPBGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1171AVM8AR	935416772518	MIMXRT1171AVM8AR	i.MXRT1170, Auto,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1171AVM8A	935416772557	MIMXRT1171AVM8A	i.MXRT1170, Auto,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1171CVM8A	935416773557	MIMXRT1171CVM8A	i.MXRT1170, Indus,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1171DVM8A	935416774557	MIMXRT1171DVM8A	i.MXRT1170, Conm,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1172AVM8AR	935416775518	MIMXRT1172AVM8AR	RT1172,1052/1062 Upd,A	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1172AVM8A	935416775557	MIMXRT1172AVM8A	RT1172,1052/1062 Upd,A	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1172CVM8A	935416776557	MIMXRT1172CVM8A	i.MXRT1170, Indus,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1172DVM8A	935416777557	MIMXRT1172DVM8A	i.MXRT1170, Conm,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1173CVM8A	935416778557	MIMXRT1173CVM8A	RT1173, POS,I	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1175AVM8A	935416779557	MIMXRT1175AVM8A	i.MXRT1170, Auto,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLAM
MIMXRT1175CVM8A	935416781557	MIMXRT1175CVM8A	i.MXRT1170, Indus,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT1175DVM8A	935416782557	MIMXRT1175DVM8A	i.MXRT1170, Conm,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT117FAVM8A	935421521557	MIMXRT117FAVM8A	i.MXRT117F, Auto,289BGA	(L)FBGA289M	SOT1534-4	ASM	No	BLAM
MIMXRT117FCVM8A	935421522557	MIMXRT117FCVM8A	i.MXRT117F, Indus,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT117FDVMAA	935421523557	MIMXRT117FDVMAA	i.MXRT117F, Conm,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT117HAVM8A	935421524557	MIMXRT117HAVM8A	i.MXRT117H, Auto,289BGA	(L)FBGA289M	SOT1534-4	ASM	No	BLAM
MIMXRT117HCVM8A	935421525557	MIMXRT117HCVM8A	i.MXRT117H, Indus,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
MIMXRT117HDVMAA	935421526557	MIMXRT117HDVMAA	i.MXRT117H, Conm,289BGA	(L)FBGA289M	SOT1534-4	RFS	No	BLM1
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