



Customer Information Notification

202109002I : i.MXRT1060 Reference Manual Rev 3, i.MXRT1064 Reference Manual Rev 2 and i.MXRT1050 Reference Manual Rev 5 Updates

Note: This notice is NXP Company Proprietary.

Issue Date: Nov 25, 2021 **Effective date:**Nov 26, 2021

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Management summary
i.MXRT1060 Reference Manual Rev 3, i.MXRT1064 Reference Manual Rev 2 and i.MXRT1050 Reference

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: Reference Manual update			

PCN Overview
Description

NXP Semiconductors announces reference manual update for i.MXRT1060 to revision 3, for i.MXRT1064 to revision 2 and for i.MXRT1050 to revision 5. The revision history included in the updated documents provides a detailed description of the changes.

Changes are summarized below.

For RT1060 RM, Reference Manual Changes:
Please refer to attached RT1060_change_summary.pdf file for detail summary.

For RT1064 RM, Reference Manual Changes:
Please refer to attached RT1064_change_summary.pdf file for detail summary.

For RT1050 RM, Reference Manual Changes:
Please refer to attached RT1050_change_summary.pdf file for detail summary.

The i.MXRT1060 reference manual revision 3 is attached to this notice, and can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/arm-based-processors-and-mcus/i.mx-applications-processors/i.mx-rt-series/i.mx-rt1060-crossover-processor-with-arm-cortex-m7-core:i.MX-RT1060?tab=Documentation_Tab&linkline=Reference-Manual

The i.MXRT1064 reference manual revision 2 is attached to this notice, and can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/i.mx-rt-series/i.mx-rt1064-crossover-processor-with-arm-cortex-m7-core:i.MX-RT1064?tab=Documentation_Tab&linkline=Reference-Manual

The i.MXRT1050 reference manual revision 5 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-rt1050-crossover-mcu-with-arm-cortex-m7-core:i.MX-RT1050?tab=Documentation_Tab&linkline=Reference-Manual

Reason
The reference manuals have 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

Additional information

Additional documents: [view online](#)

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

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.

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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	New Orderable Part#	12NC New	Product Type New	Product Description New	Product Line	Notes
MIMXRT1061CVL5A	935373201557	MIMXRT1061CVL5A	i.MXRT1060	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1061DVL6A	935373202557	MIMXRT1061DVL6A	i.MXRT1060	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1062CVL5A	935373203557	MIMXRT1062CVL5A	i.MXRT1060	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1062DVL6A	935373204557	MIMXRT1062DVL6A	i.MXRT1060	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1064CVL5A	935377468557	MIMXRT1064CVL5A	i.MXRT1064	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1064DVL6AR	935377469518	MIMXRT1064DVL6AR	i.MXRT1064	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1064DVL6A	935377469557	MIMXRT1064DVL6A	i.MXRT1064	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1061CVJ5AR	935379986518	MIMXRT1061CVJ5AR	i.MXRT1060	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1061CVJ5A	935379986557	MIMXRT1061CVJ5A	i.MXRT1060	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1062CVJ5AR	935379987518	MIMXRT1062CVJ5AR	i.MXRT1060	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1062CVJ5A	935379987557	MIMXRT1062CVJ5A	i.MXRT1060	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1062DVJ6A	935379988557	MIMXRT1062DVJ6A	i.MXRT1060	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT106ADVL6AR	935385521518	MIMXRT106ADVL6AR	i.MXRT106A	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT106ADVL6A	935385521557	MIMXRT106ADVL6A	i.MXRT106A	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	

MIMXRT1061DVJ6A	935386102557	MIMXRT1061DVJ6A	i.MXRT1060	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1061DVL6B	935388058557	MIMXRT1061DVL6B	i.MXRT1060, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106CDVL6A	935389816557	MIMXRT106CDVL6A	I.MXRT106C, 196MAPBGA	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106FDVL6A	935389817557	MIMXRT106FDVL6A	I.MXRT106F, 196MAPBGA	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106LDVL6A	935389818557	MIMXRT106LDVL6A	I.MXRT106L, 196MAPBGA	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106SDVL6A	935389819557	MIMXRT106SDVL6A	I.MXRT106S, 196MAPBGA	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1061CVJ5BR	935394375518	MIMXRT1061CVJ5BR	i.MXRT1060 12*12 USB Fix	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1061CVJ5B	935394375557	MIMXRT1061CVJ5B	i.MXRT1060 12*12 USB Fix	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1061CVL5B	935394376557	MIMXRT1061CVL5B	i.MXRT1060, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1061DVJ6B	935394377557	MIMXRT1061DVJ6B	i.MXRT1060 12*12 USB Fix	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1062CVJ5BR	935394379518	MIMXRT1062CVJ5BR	i.MXRT1060 12*12 USB Fix	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1062CVJ5B	935394379557	MIMXRT1062CVJ5B	i.MXRT1060 12*12 USB Fix	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1062CVL5BR	935394381518	MIMXRT1062CVL5BR	i.MXRT1060, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1062CVL5B	935394381557	MIMXRT1062CVL5B	i.MXRT1060, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1062DVJ6B	935394382557	MIMXRT1062DVJ6B	i.MXRT1060 12*12 USB Fix	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1062DVL6B	935394383557	MIMXRT1062DVL6B	i.MXRT1060, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1064CVJ5A	935396434557	MIMXRT1064CVJ5A	i.MXRT1064 12*12	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1064DVJ6A	935396435557	MIMXRT1064DVJ6A	i.MXRT1064 12*12	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1064CVJ5B	935399266557	MIMXRT1064CVJ5B	i.MXRT1064 USB Fix 12	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1064CVL5B	935399267557	MIMXRT1064CVL5B	i.MXRT1064 USB Fix 10	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1064DVJ6B	935399268557	MIMXRT1064DVJ6B	i.MXRT1064 USB Fix 12	(L)FBGA196M	SOT1968-1	RFS	No						BLM1	
MIMXRT1064DVL6BR	935399271518	MIMXRT1064DVL6BR	i.MXRT1064 USB Fix 10	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1064DVL6B	935399271557	MIMXRT1064DVL6B	i.MXRT1064 USB Fix 10	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106ADVL6BR	935399817518	MIMXRT106ADVL6BR	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106ADVL6B	935399817557	MIMXRT106ADVL6B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106CDVL6B	935399818557	MIMXRT106CDVL6B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106FDVL6B	935399819557	MIMXRT106FDVL6B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106LDVL6B	935399821557	MIMXRT106LDVL6B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106SDVL6B	935399822557	MIMXRT106SDVL6B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106ACVL5B	935414459557	MIMXRT106ACVL5B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106FCVL5B	935414461557	MIMXRT106FCVL5B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106LCVL5B	935414462557	MIMXRT106LCVL5B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT106SCVL5B	935420438557	MIMXRT106SCVL5B	i.MXRT106A, USB Fix	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1051CVL5A	935351121557	MIMXRT1051CVL5A	i.MXRT1050	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1051DVL6A	935351122557	MIMXRT1051DVL6A	i.MXRT1050	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1052CVL5A	935351123557	MIMXRT1052CVL5A	i.MXRT1050	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1052DVL6A	935351124557	MIMXRT1052DVL6A	i.MXRT1050	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1051CVL5B	935365838557	MIMXRT1051CVL5B	i.MXRT1050 A1	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1051DVL6BR	935365839518	MIMXRT1051DVL6BR	i.MXRT1050 A1	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1051DVL6B	935365839557	MIMXRT1051DVL6B	i.MXRT1050 A1	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	
MIMXRT1052CVL5BR	935365841518	MIMXRT1052CVL5BR	i.MXRT1050 A1	(L)FBGA196M	SOT1546-2	RFS	No						BLM1	

MIMXRT1052CVL5B	935365841557	MIMXRT1052CVL5B	i.MXRT1050 A1	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1052DVL6BR	935365842518	MIMXRT1052DVL6BR	i.MXRT1050 A1	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1052DVL6B	935365842557	MIMXRT1052DVL6B	i.MXRT1050 A1	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT1051DVJ6B	935376003557	MIMXRT1051DVJ6B	i.MXRT1050 BGA12	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1052CVJ5B	935376004557	MIMXRT1052CVJ5B	i.MXRT1050 BGA12	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1052DVJ6B	935376005557	MIMXRT1052DVJ6B	i.MXRT1050 BGA12	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1051CVJ5BR	935383268518	MIMXRT1051CVJ5BR	i.MXRT1050 BGA12	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT1051CVJ5B	935383268557	MIMXRT1051CVJ5B	i.MXRT1050 BGA12	(L)FBGA196M	SOT1968-1	RFS	No					BLM1	
MIMXRT105SCVL5B	935420436557	MIMXRT105SCVL5B	i.MXRT105A	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	
MIMXRT105SDVL6B	935420437557	MIMXRT105SDVL6B	i.MXRT105A	(L)FBGA196M	SOT1546-2	RFS	No					BLM1	