Final Product Change Notification

202409013F01 : i.MX6 SoloLite, i.MX6 SoloX, i.MX6 Solo, i.MX6 DualLite Automotive product Qualification of Material Changes in Substrate and Solder Ball at NXP-ATTJ

Issue Date: Oct 03, 2024 **Effective Date:** Jan 01, 2025

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Management summary

Qualification of material changes in the solder ball and substrate solder ball pad for i.MX6 SoloLite, i.MX6 SoloX, i.MX6 Solo, i.MX6 DualLite Automotive product at NXP-ATTJ.

Change Category

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

Notification Overview
Description

NXP is pleased to announce the qualification of material changes in the solder ball and substrate solder ball pad at NXP-ATTJ to ensure supply continuity for the devices listed in this notification. This material change will take place for substrates manufactured by Nanya and ASE supplier.

Please refer to the attachment for the qualification report.

Corresponding ZVEI Delta Qualification Matrix ID: SEM-PA-05

Reason

Qualification of Material Changes in Substrate and Solder Ball is required for manufacturing flexibility and customer supply assurance.

Identification of Affected Products

Product identification does not change

Product Availability

Sample Information

Samples are available from Sep 30, 2024

KCIMX6U6AVM08AC
KCIMX6U6AVM10AC
Production
Planned first shipment Jan 02, 2025

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

No Impact on form, fit, function, reliability or quality
Disposition of Old Products
Existing inventory will be shipped until depleted

Additional information

Self qualification:view online
Additional documents: view online

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Nov 02, 2024.

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:

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NXP Quality Management Team.
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12NC	Orderable Part Number	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
935311372557	MCIMX6S6AVM08AC	MCIMX6S6AVM08AC	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935318787557	MCIMX6U6AVM08AC	MCIMX6U6AVM08AC	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935352997557	MCIMX6S6AVM08AD	MCIMX6S6AVM08AD	i.MX6Solo ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360347557	MCIMX6U6AVM08AD	MCIMX6U6AVM08AD	i.MX6 ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360347518	MCIMX6U6AVM08ADR	MCIMX6U6AVM08ADR	i.MX6 ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935332959557	MCIMX6U6AVM10AC	MCIMX6U6AVM10AC	i.MX6 Solo Rev 1.3	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935352997518	MCIMX6S6AVM08ADR	MCIMX6S6AVM08ADR	i.MX6Solo ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935311372518	MCIMX6S6AVM08ACR	MCIMX6S6AVM08ACR	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360733557	MCIMX6U6AVM10AD	MCIMX6U6AVM10AD	i.MX 6S ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935318787518	MCIMX6U6AVM08ACR	MCIMX6U6AVM08ACR	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935320538557	MCIMX6S1AVM08AC	MCIMX6S1AVM08AC	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360726557	MCIMX6S6AVM10AD	MCIMX6S6AVM10AD	i.MX 6S ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935311642557	MCIMX6S4AVM08AC	MCIMX6S4AVM08AC	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935317659557	MCIMX6S6AVM08AB	MCIMX6S6AVM08AB	i.MX6 Solo rev 1.1	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360458557	MCIMX6U1AVM08AD	MCIMX6U1AVM08AD	i.MX 6 DL ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360733518	MCIMX6U6AVM10ADR	MCIMX6U6AVM10ADR	i.MX 6S ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935319989557	MCIMX6S1AVM08AB	MCIMX6S1AVM08AB	i.MX6 Solo rev 1.1	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360726518	MCIMX6S6AVM10ADR	MCIMX6S6AVM10ADR	i.MX 6S ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935311642518	MCIMX6S4AVM08ACR	MCIMX6S4AVM08ACR	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935323322518	MCIMX6S4AVM08ABR	MCIMX6S4AVM08ABR	i.MX6 Solo rev 1.1	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935323322557	MCIMX6S4AVM08AB	MCIMX6S4AVM08AB	i.MX6 Solo rev 1.1	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935369117557	MCIMX6U1AVM10AD	MCIMX6U1AVM10AD	i.MX 6DL ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935311343557	MCIMX6U6AVM08AB	MCIMX6U6AVM08AB	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935311564518	MCIMX6U1AVM08ACR	MCIMX6U1AVM08ACR	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935311564557	MCIMX6U1AVM08AC	MCIMX6U1AVM08AC	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935332957557	MCIMX6U1AVM10AC	MCIMX6U1AVM10AC	i.MX6 Solo Rev 1.3	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935332958557	MCIMX6U4AVM10AC	MCIMX6U4AVM10AC	i.MX6 Solo Rev 1.3	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935358563518	MCIMX6S1AVM08ADR	MCIMX6S1AVM08ADR	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935358563557	MCIMX6S1AVM08AD	MCIMX6S1AVM08AD	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360458518	MCIMX6U1AVM08ADR	MCIMX6U1AVM08ADR	i.MX6 DL ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360459557	MCIMX6U4AVM08AD	MCIMX6U4AVM08AD	i.MX6 DL ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360462518	MCIMX6S4AVM08ADR	MCIMX6S4AVM08ADR	i.MX 6S ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935315166518	MCIMX6U4AVM08ACR	MCIMX6U4AVM08ACR	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935317659518	MCIMX6S6AVM08ABR	MCIMX6S6AVM08ABR	i.MX6 Solo rev 1.1	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935331331557	MCIMX6S6AVM10AC	MCIMX6S6AVM10AC	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360462557	MCIMX6S4AVM08AD	MCIMX6S4AVM08AD	i.MX 6S ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360721557	MCIMX6S1AVM10AD	MCIMX6S1AVM10AD	i.MX 6S ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935311343518	MCIMX6U6AVM08ABR	MCIMX6U6AVM08ABR	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935315166557	MCIMX6U4AVM08AC	MCIMX6U4AVM08AC	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935317841518	MCIMX6U1AVM08ABR	MCIMX6U1AVM08ABR	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935317841557	MCIMX6U1AVM08AB	MCIMX6U1AVM08AB	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935319989518	MCIMX6S1AVM08ABR	MCIMX6S1AVM08ABR	i.MX6 Solo rev 1.1	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935320538518	MCIMX6S1AVM08ACR	MCIMX6S1AVM08ACR	i.MX6 Solo	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935323386518	MCIMX6U4AVM08ABR	MCIMX6U4AVM08ABR	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935323386557	MCIMX6U4AVM08AB	MCIMX6U4AVM08AB	i.MX6 DualLite	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935332955557	MCIMX6S1AVM10AC	MCIMX6S1AVM10AC	i.MX6 Solo Rev 1.3	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935332956557	MCIMX6S4AVM10AC	MCIMX6S4AVM10AC	i.MX6 Solo Rev 1.3	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935332959518	MCIMX6U6AVM10ACR	MCIMX6U6AVM10ACR	i.MX6 Solo Rev 1.3	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935360459518	MCIMX6U4AVM08ADR	MCIMX6U4AVM08ADR	i.MX6 DL ROM Perf Enhan	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935369135557	MCIMX6S4AVM10AD	MCIMX6S4AVM10AD	i.MX6 Solo ROM Perf Enha	(L)FBGA624M	SOT1529-1	RFS	No	BLAM
935369136557	MCIMX6U4AVM10AD	MCIMX6U4AVM10AD	i.MX6 Solo ROM Perf Enha	(L)FBGA624M	SOT1529-1	RFS	No	BLAM