

Customer Information Notification

202204005 : FS4500 - FS6500 ASIL D FMEDA Updates (Technical Corrections and Clarifications)

Note: This notice is NXP Company Proprietary.

Issue Date: May 26, 2022 Effective date: May 27, 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	[]Electrica spec./Test coverage
[]Firmware	[X]Other: FM and Clarifica	EDA Updates for Technical C	Corrections	

PCN Overview

Description

NXP Semiconductors announces FMEDA updates for the FS4500/FS6500 and 35FS4500/35FS6500 ASIL D family system basis chip (SBC) products associated with this notification. The revision history included in the updated documents provides a detailed description of the changes.

** Documentation changes only for technical corrections, clarifications and formatting - absolutely no changes to the device / product **

New FS4500 and FS6500 FMEDA ASIL D Grade 1 Rev 1.4 (Doc ID: SA550814) can be accessed from NXP's secure portal:

https://www.nxp.com/webapp/sd/collateral/1650040910337714750069?version=1.4

New FS4500 and FS6500 FMEDA ASIL D Grade 0 Rev 0.5 (Doc ID: FM671905) can be accessed from NXP's secure portal:

https://www.nxp.com/webapp/sd/collateral/1650040103349720241964?version=0.5

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

Reason

The FMEDAs have been updated for technical corrections and clarifications.

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:

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NXP Quality Management Team.

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NXP Semiconductors

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Changed Orderable Part# MC35FS4500CAER2	12NC Product Type 935360432528 MC35FS4500CAER2	Product Description FS4500	Package Outline	Package Description SOT1571-1	Product Status ASM	Customer Specific Indicator	Product Line BLC4
MC35FS4500CAE	935360432557 MC35FS4500CAE	FS4500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS4500HAER2	935380901528 MC35FS4500HAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4500HAE	935380901557 MC35FS4500HAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4500NAER2	935360434528 MC35FS4500NAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4500NAE	935360434557 MC35FS4500NAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4501CAE	935360512557 MC35FS4501CAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4501CAER2	935360512528 MC35FS4501CAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4501NAE	935360514557 MC35FS4501NAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4501NAFR2	935360514528 MC35FS4501NAFR2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4502CAER2	935360441528 MC35FS4502CAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4502CAE	935360441557 MC35FS4502CAE	FS4500	H(L)QFP48	SOT1571-1	RFS		BLC4
MC35FS4502NAE	935360443557 MC35FS4502NAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No No	BLC4
MC35FS4502NAER2	935360443528 MC35FS4502NAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4503CAE	935360445557 MC35FS4503CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4503CAER2	935360445528 MC35FS4503CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC35FS4503CAE	935337467699 PC35FS4503CAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS4S03NAER2	935360447528 MC35FS4503NAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS4S03NAE	935360447557 MC35FS4503NAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC35FS6500CAE	935337468557 PC35FS6500CAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS6500CAE	935334134557 MC35FS6500CAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS6500CAER2	935334134528 MC35FS6500CAER2	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS6500NAE	935360707557 MC35FS6500NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS6500NAER2	935360707528 MC35FS6500NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS6501CAE	935362499557 MC35FS6501CAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS6501CAER2	935362499528 MC35FS6501CAER2	FS6500 FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS6501NAER2	935362502528 MC35FS6501NAER2	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS6501NAE	935362502557 MC35FS6501NAE		H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC35FS6502CAER2	935360709528 MC35FS6502CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS6502CAE	935360709557 MC35FS6502CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS6502NAE	935360592557 MC35FS6502NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC35FS6510CAE	935360598557 MC35FS6510CAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
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MC35FS6511CAE	935360607557 MC35FS6511CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS6511NAE	935360609557 MC35FS6511NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC35FS6512CAE	935360612557 MC35FS6512CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS6512CAER2	935360612528 MC35FS6512CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35FS6512NAER2	935360614528 MC35FS6512NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC35F36512NAE MC35FS6512NAE MC35FS6513CAER2	935360614557 MC35FS6512NAE 935360436528 MC35FS6513CAER2	FS6500 FS6500	H(L)QFP48	SOT1571-1 SOT1571-1	RFS RFS	No	BLC4 BLC4
PC35FS6513CAE	935337469557 PC35FS6513CAE	FS6500	H(L)QFP48 H(L)QFP48	SOT1571-1	ASM	No No	BLC4
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MC35FS6513NAER2	935360438528 MC35FS6513NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC33FS4500CAER2	935320783528 MC33FS4500CAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS4500CAER2	935369118528 PC33FS4500CAER2	FS4500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
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MC33FS4500HAE	935313196557 MC33FS4500HAE	FS4500	H(L)QFP48	SOT1571-1 SOT1571-1	RFS	No	BLC4
MC33FS4500LAER2	935325014528 MC33FS4500LAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC33FS4500NAER2	935322416528 MC33FS4500NAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS4S01CAE	935322375557 MC33FS4501CAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS4S01CAER2	935322375528 MC33FS4501CAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS4501NAE	935316303557 MC33FS4501NAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS4501NAER2	935316303528 MC33FS4501NAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC33FS4502NAER2	935313141528 MC33FS4502NAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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PC33FS4503CAE	935316092699 PC33FS4503CAE	FS4500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC33FS4503CAER2	935316093528 MC33FS4503CAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS4503NAER2	935316311528 MC33FS4503NAER2	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS4503NAE	935316311557 MC33FS4503NAE	FS4500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6500CAE	935316185557 MC33FS6500CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6500CAER2	935316185528 MC33FS6500CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6500LAER2	935313009528 MC33FS6500LAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6500LAE	935313009557 MC33FS6500LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6500NAER2	935318679528 MC33FS6500NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6500NAE	935369121557 PC33FS6500NAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
PC33FS6500NAER2	935369121528 PC33FS6500NAER2	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
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MC33FS6501NAER2	935316221528 MC33FS6501NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6502CAE	935312534557 MC33FS6502CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6502CAER2	935312534528 MC33FS6502CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6502LAE	935316187557 MC33FS6502LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6502LAE	935363941557 PC33FS6502LAE	FS6500	H(L)QFP48	SOT1571-1	ASM		BLC4
MC33FS6502LAER2	935316187528 MC33FS6502LAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No No	BLC4
PC33FS6502LAER2	935363941528 PC33FS6502LAER2	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC33FS6502NAE	935323778557 MC33FS6502NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6502NAER2	935323778528 MC33FS6502NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6503CAE	935312883557 MC33FS6503CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC33FS6504LAE	935316247557 MC33FS6504LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6504LAER2	935316247528 MC33FS6504LAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6510CAER2	935324989528 MC33FS6510CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC33FS6510LAE	935318671557 MC33FS6510LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6510LAER2	935318671528 MC33FS6510LAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6510NAER2	935313007528 MC33FS6510NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6510NAE	935313007557 MC33FS6510NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6511CAE	935323786557 MC33FS6511CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6511CAER2	935323786528 MC33FS6511CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6511NAER2	935316217528 MC33FS6511NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC33FS6512CAER2	935320777528 MC33FS6512CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6512CAE	935320777557 MC33FS6512CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6512LAE	935316264557 MC33FS6512LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6512LAER2	935316264528 MC33FS6512LAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
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MC33FS6512NAE	935318501557 MC33FS6512NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6512NAER2	935318501528 MC33FS6512NAER2		H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6513CAE	935312884557 MC33FS6513CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6513CAER2	935312884528 MC33FS6513CAFR2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6513NAER2 MC33FS6513NAE	935318601528 MC33FS6513NAER2 935318601557 MC33FS6513NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6514LAER2	935313125528 MC33FS6514LAER2	FS6500 FS6500	H(L)QFP48 H(L)QFP48	SOT1571-1 SOT1571-1	RFS RFS	No No	BLC4 BLC4
MC33FS6514LAE	935313125557 MC33FS6514LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6520CAER2	935313008528 MC33FS6520CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6520CAE	935313008557 MC33FS6520CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6520LAER2	935318688528 MC33FS6520LAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6520LAE	935318688557 MC33FS6520LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6520NAER2	935313014528 MC33FS6520NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6520NAE	935313014557 MC33FS6520NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6521CAE	935312584557 MC33FS6521CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6521CAE MC33FS6521CAER2 MC33FS6521NAER2	935312584557 MC33F56521CAE 935312584528 MC33F56521CAER2 935318712528 MC33F56521NAER2	FS6500 FS6500	H(L)QFP48 H(L)QFP48	SOT1571-1 SOT1571-1 SOT1571-1	RFS RFS	No No	BLC4 BLC4
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MC33FS6521NAE	935318712557 MC33FS6521NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6521NAE	935363955699 PC33FS6521NAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
MC33FS6522CAER2	935316188528 MC33FS6522CAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6522CAE	935316188557 MC33FS6522CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6522LAER2	935318512528 MC33FS6522LAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6522LAE	935318513699 PC33FS6522LAE	FS6500	H(L)QFP48	SOT1571-1	WIT	No	BLC4
MC33FS6522LAE	935318512557 MC33FS6522LAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6522LAER2	935318513697 PC33FS6522LAER2	FS6500	H(L)QFP48	SOT1571-1	WIT	No	BLC4
MC33FS6522NAER2	935322266528 MC33FS6522NAER2		H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6522NAE	935322266557 MC33FS6522NAE		H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6523CAER2 MC33FS6523CAER2	935322266557 MC33F56522NAE 935316095697 PC33F56523CAER2 935316094528 MC33F56523CAER2	FS6500 FS6500	H(L)QFP48 H(L)QFP48 H(L)QFP48	SOT1571-1 SOT1571-1 SOT1571-1	WIT RFS	No No	BLC4 BLC4
MC33FS6523CAE	935316094557 MC33FS6523CAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6523CAE	935316095699 PC33FS6523CAE	FS6500	H(L)QFP48	SOT1571-1	WIT	No	BLC4
MC33FS6523NAE	935322288557 MC33FS6523NAE	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
MC33FS6523NAER2	935322288528 MC33FS6523NAER2	FS6500	H(L)QFP48	SOT1571-1	RFS	No	BLC4
PC33FS6524LAE	935316058699 PC33FS6524LAE	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4
PC33FS6524LAER2	935316058697 PC33FS6524LAER2	FS6500	H(L)QFP48	SOT1571-1	ASM	No	BLC4