



DEVICE MIGRATION UPDATE

Generic Copy

ISSUE DATE: 02-Mar-2012
NOTIFICATION: 15057A
TITLE: MPC8548 PRODUCT FAMILY DEVICE MIGRATION FROM REVISIONS 2.1.2 AND 2.1.3 TO REVISION 3 (UPDATED SVR STATEMENT IN DESCRIPTION)
LAST BUY DATE: 02-Mar-2013
LAST SHIP DATE: 02-Mar-2014

DEVICE(S)

MPN	REPLACEMENT MPN	REPLACEMENT TYPE	REPLACEMENT REASON
MPC8543ECPXAQGB	MPC8543ECPXAQGB Replaced BY MPC8543ECPXAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8543EPXANGB	MPC8543EPXANGB Replaced BY MPC8543EVTANGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8543EVTANGB	MPC8543EVTANGB Replaced BY MPC8543EVTANGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8543EVTAQGB	MPC8543EVTAQGB Replaced BY MPC8543EVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8543PXANGB	MPC8543PXANGB Replaced BY MPC8543VTANGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8543VTANGB	MPC8543VTANGB Replaced BY MPC8543VTANGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
	MPC8543VTAQGB	Same Form & Fit, Different Function,	Device Specification or

MPC8543VTAQGB	Replaced BY MPC8543VTAQGD	Pin-for-Pin Equivalent	Errata,Fabrication Site,Package Change
MPC8545EPXANGB	MPC8545EPXANGB Replaced BY MPC8545EPXANGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545EVTANGB	MPC8545EVTANGB Replaced BY MPC8545EVTANGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545EVTATGB	MPC8545EVTATGB Replaced BY MPC8545EVTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545EVTATGC	MPC8545EVTATGC Replaced BY MPC8545EVTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545PXANGB	MPC8545PXANGB Replaced BY MPC8545PXANGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545PXAQGB	MPC8545PXAQGB Replaced BY MPC8545PXAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545PXATGA	MPC8545PXATGA Replaced BY MPC8545PXATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545PXATGB	MPC8545PXATGB Replaced BY MPC8545PXATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8545VTAQGA	MPC8545VTAQGA Replaced BY MPC8545VTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
	MPC8545VTAQGB	Same Form & Fit, Different Function,	Device Specification or

MPC8545VTAQGB	Replaced BY MPC8545VTAQGD	Pin-for-Pin Equivalent	Errata, Fabrication Site, Package Change
MPC8545VTATGB	MPC8545VTATGB Replaced BY MPC8545VTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547ECPXAQGA	MPC8547ECPXAQGA Replaced BY MPC8547ECPXAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547ECPXAQGB	MPC8547ECPXAQGB Replaced BY MPC8547ECPXAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547ECVTAQGB	MPC8547ECVTAQGB Replaced BY MPC8547ECVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547EPXAQGB	MPC8547EPXAQGB Replaced BY MPC8547EPXAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547EPXAUJC	MPC8547EPXAUJC Replaced BY MPC8547EPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547EVTAQGB	MPC8547EVTAQGB Replaced BY MPC8547EVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547EVTATGB	MPC8547EVTATGB Replaced BY MPC8547EVTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8547EVTAUJA	MPC8547EVTAUJA Replaced BY MPC8547EVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
	MPC8547EVTAUJB	Same Form & Fit, Different Function,	Device Specification or

MPC8547EVTAUJB	Replaced BY MPC8547EVTAUJD	Pin-for-Pin Equivalent	Errata,Fabrication Site,Package Change
MPC8547EVTAUJC	MPC8547EVTAUJC Replaced BY MPC8547EVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8547VTAQGB	MPC8547VTAQGB Replaced BY MPC8547VTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8547VTATGA	MPC8547VTATGA Replaced BY MPC8547VTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8547VTATGB	MPC8547VTATGB Replaced BY MPC8547VTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8547VTAUJB	MPC8547VTAUJB Replaced BY MPC8547VTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548CPXAQGB	MPC8548CPXAQGB Replaced BY MPC8548CVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548CPXAUJB	MPC8548CPXAUJB Replaced BY MPC8548CVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548CVTAQGB	MPC8548CVTAQGB Replaced BY MPC8548CVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548CVTAUJB	MPC8548CVTAUJB Replaced BY MPC8548CVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
	MPC8548ECPXAQGA	Same Form & Fit, Different Function,	Device Specification or

MPC8548ECPXAQGA	Replaced BY MPC8548ECPXAQGD	Pin-for-Pin Equivalent	Errata, Fabrication Site, Package Change
MPC8548ECPXAQGB	MPC8548ECPXAQGB Replaced BY MPC8548ECPXAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECPXATGB	MPC8548ECPXATGB Replaced BY MPC8548ECPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECPXAUJB	MPC8548ECPXAUJB Replaced BY MPC8548ECPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECPXAUJC	MPC8548ECPXAUJC Replaced BY MPC8548ECPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECVTAQGB	MPC8548ECVTAQGB Replaced BY MPC8548ECVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECVTATGB	MPC8548ECVTATGB Replaced BY MPC8548ECVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECVTAUJA	MPC8548ECVTAUJA Replaced BY MPC8548ECVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECVTAUJB	MPC8548ECVTAUJB Replaced BY MPC8548ECVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548ECVTAUJC	MPC8548ECVTAUJC Replaced BY MPC8548ECVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
	MPC8548EPXAQGB	Same Form & Fit, Different Function,	Device Specification or

MPC8548EPXAQGB	Replaced BY MPC8548EPXAQGD	Pin-for-Pin Equivalent	Errata, Fabrication Site, Package Change
MPC8548EPXATGA	MPC8548EPXATGA Replaced BY MPC8548EPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EPXATGB	MPC8548EPXATGB Replaced BY MPC8548EPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EPXAUJB	MPC8548EPXAUJB Replaced BY MPC8548EPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EPXAUJC	MPC8548EPXAUJC Replaced BY MPC8548EPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EPXAVHB	MPC8548EPXAVHB Replaced BY MPC8548EPXAVHD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EVTAQGA	MPC8548EVTAQGA Replaced BY MPC8548EVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EVTAQGB	MPC8548EVTAQGB Replaced BY MPC8548EVTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EVTATGB	MPC8548EVTATGB Replaced BY MPC8548EVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
MPC8548EVTAUJA	MPC8548EVTAUJA Replaced BY MPC8548EVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
	MPC8548EVTAUJB	Same Form & Fit, Different Function,	Device Specification or

MPC8548EVTAUJB	Replaced BY MPC8548EVTAUJD	Pin-for-Pin Equivalent	Errata,Fabrication Site,Package Change
MPC8548EVTAUJC	MPC8548EVTAUJC Replaced BY MPC8548EVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548EVTAVHA	MPC8548EVTAVHA Replaced BY MPC8548EVTAVHD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548EVTAVHB	MPC8548EVTAVHB Replaced BY MPC8548EVTAVHD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548PXAQGB	MPC8548PXAQGB Replaced BY MPC8548PXAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548PXATGA	MPC8548PXATGA Replaced BY MPC8548PXATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548PXATGB	MPC8548PXATGB Replaced BY MPC8548PXATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548PXAUJA	MPC8548PXAUJA Replaced BY MPC8548PXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548PXAUJB	MPC8548PXAUJB Replaced BY MPC8548PXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548PXAUJC	MPC8548PXAUJC Replaced BY MPC8548PXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
	MPC8548VTAQGA	Same Form & Fit, Different Function,	Device Specification or

MPC8548VTAQGA	Replaced BY MPC8548VTAQGD	Pin-for-Pin Equivalent	Errata,Fabrication Site,Package Change
MPC8548VTAQGB	MPC8548VTAQGB Replaced BY MPC8548VTAQGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548VTATGA	MPC8548VTATGA Replaced BY MPC8548VTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548VTATGB	MPC8548VTATGB Replaced BY MPC8548VTATGD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548VTAUJA	MPC8548VTAUJA Replaced BY MPC8548VTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548VTAUJB	MPC8548VTAUJB Replaced BY MPC8548VTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548VTAUJC	MPC8548VTAUJC Replaced BY MPC8548VTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548VTAVHA	MPC8548VTAVHA Replaced BY MPC8548VTAVHD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
MPC8548VTAVHB	MPC8548VTAVHB Replaced BY MPC8548VTAVHD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
SCN8548EVTAUJC	SCN8548EVTAUJC Replaced BY MPC8548EVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata,Fabrication Site,Package Change
	SCW38548B Replaced	Same Form & Fit, Different Function,	Device Specification or

SCW38548B	BY SCW38548D	Pin-for-Pin Equivalent	Errata, Fabrication Site, Package Change
SPC8548CPXAUJB	SPC8548CPXAUJB Replaced BY MPC8548CVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
SPC8548CVTAUJB	SPC8548CVTAUJB Replaced BY MPC8548CVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
SPC8548ECPXAUJB	SPC8548ECPXAUJB Replaced BY MPC8548ECPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
SPC8548ECVTAUJB	SPC8548ECVTAUJB Replaced BY MPC8548ECVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
SPC8548EPXAUJB	SPC8548EPXAUJB Replaced BY MPC8548EPXAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
SPC8548EVTAUJB	SPC8548EVTAUJB Replaced BY MPC8548EVTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
SPC8548PXAUJB	SPC8548PXAUJB Replaced BY MPC8548VTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change
SPC8548VTAUJB	SPC8548VTAUJB Replaced BY MPC8548VTAUJD	Same Form & Fit, Different Function, Pin-for-Pin Equivalent	Device Specification or Errata, Fabrication Site, Package Change

DESCRIPTION OF CHANGE

Freescall is pleased to announce the addition of Global Foundries as primary manufacturing supplier for the MPC8548 family of products.

The new revision 3 of the MPC8548, manufactured at Global Foundries, will support the increase in production capacity

needed to satisfy market demand for the product line. Freescale will take advantage of this opportunity to address some minor errata fixes.

This notification initiates the retirement of revisions 2.1.2 and 2.1.3. The revision 3 is fully hardware and software compatible, please note SVR/PVR exceptions relative to current revisions 2.1.2 and 2.1.3 (check the hardware specification for details). There will be a new package lid (same thermals, drop-in replacement).

The new revision of silicon for the MPC8548 family includes the MPC8548E, MPC8547E, MPC8545E and MPC8543E part numbers and will be differentiated by a suffix "D" in the part number.

MPC8548 revision 3 production samples are now available for most part numbers so that customers can immediately begin their qualification activities (lead time to availability for some part numbers can be up to 8 weeks).

Changes in device migration 15057A:

Device migration 15057A corrects the statement made in device migration 15057 relative to the SVR status of the MPC8548 revision 3. Device migration 15057A states that there are exceptions or changes to the SVR register of the MPC8548 revision 3 family. The customer can find more details by referring to the MPC8548 hardware specification or the MPC8548 migration application note (AN4191), both available at www.freescale.com.

No other changes relative to device migration 15057 are highlighted in 15057A.

REASON FOR CHANGE

To provide additional production capacity across the MPC8548 devices, Global Foundries will become the primary foundry for the product family.

ANTICIPATED IMPACT OF PRODUCT CHANGE(FORM, FIT, FUNCTION, OR RELIABILITY)

Backward compatibility is ensured. For more details on the migration, please refer to the MPC8548 Migration Document, (document number AN4191). A full description of this revision, the hardware specification, and the errata document are also available at www.freescale.com.

Freescale will consider specific conditions of acceptance of this change submitted within 30 days of receipt of this notice on a case by case basis. To request further data or inquire about the notification, please enter a [Service Request](#).

For sample inquiries - please go to www.freescale.com

RELATED NOTIFICATION(S):

[15057](#) - MPC8548 Product Family Device Migration from Revisions 2.1.2 and 2.1.3 to Revision 3

TO VIEW the GENERIC copy, click on the notification number above.

QUAL DATA AVAILABILITY DATE: 22-Feb-2012

QUALIFICATION STATUS: COMPLETED

QUALIFICATION PLAN:

N/A

RELIABILITY DATA SUMMARY:

N/A

ELECTRICAL CHARACTERISTIC SUMMARY:

N/A

CHANGED PART IDENTIFICATION:

N/A

SAMPLE AVAILABILITY DATE: 02-Mar-2012

ATTACHMENT(S):

External attachment(s) FOR this notification can be viewed AT:

[15057A_MPC8548_Rev_3.1.2_Qual_Rpt2.pdf](#)
