

DEVICE MIGRATION UPDATE

Generic Copy

ISSUE DATE: 25-Jun-2015
NOTIFICATION: 16359A
TITLE: MPC8536/35 DEVICE MIGRATION FROM LEADED WAFER BUMPS TO LEAD-FREE WAFER BUMPS - INCLUSION OF 0C TO 90C PRODUCTS
LAST BUY DATE: 05-Aug-2015
LAST SHIP DATE: 04-Aug-2016

DEVICE(S)

MPN	REPLACEMENT MPN	REPLACEMENT TYPE	REPLACEMENT REASON
MPC8535AVTANGA	MPC8535AVTANGA Replaced by MPC8535AVJANGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8535AVTATHA	MPC8535AVTATHA Replaced by MPC8535AVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8535BVTAKGA	MPC8535BVTAKGA Replaced by MPC8535BVJAKGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8535BVTANGA	MPC8535BVTANGA Replaced by MPC8535BVJANGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8535BVTATHA	MPC8535BVTATHA Replaced by MPC8535BVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8535BVTATLA	MPC8535BVTATLA Replaced by MPC8535BVJATLA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8535EBVTANGA	MPC8535EBVTANGA Replaced by MPC8535EBVJANGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8535ECVTAKGA	MPC8535ECVTAKGA Replaced by MPC8535ECVJAKGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536AVTAKGA	MPC8536AVTAKGA Replaced by MPC8536AVJAKGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536AVTANGA	MPC8536AVTANGA Replaced by MPC8536AVJANGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536AVTAQGA	MPC8536AVTAQGA Replaced by MPC8536AVJAQGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536AVTATHA	MPC8536AVTATHA Replaced by MPC8536AVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536AVTAULA	MPC8536AVTAULA Replaced by MPC8536AVJAULA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process

MPC8536AVTAVLA	MPC8536AVTAVLA Replaced by MPC8536AVJAVLA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536BVTAKGA	MPC8536BVTAKGA Replaced by MPC8536BVJAKGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536BVTANGA	MPC8536BVTANGA Replaced by MPC8536BVJANGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536BVTATHA	MPC8536BVTATHA Replaced by MPC8536BVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536BVTAULA	MPC8536BVTAULA Replaced by MPC8536BVJAULA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536BVTAVLA	MPC8536BVTAVLA Replaced by MPC8536BVJAVLA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536CVTANGA	MPC8536CVTANGA Replaced by MPC8536CVJANGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536CVTAQGA	MPC8536CVTAQGA Replaced by MPC8536CVJAQGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536CVTAULA	MPC8536CVTAULA Replaced by MPC8536CVJAULA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536CVTAVLA	MPC8536CVTAVLA Replaced by MPC8536CVJAVLA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTAKGA	MPC8536EAVTAKGA Replaced by MPC8536EAVJAKGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTANGA	MPC8536EAVTANGA Replaced by MPC8536EAVJANGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTAQG	MPC8536EAVTAQG Replaced by MPC8536EAVJAQGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTAQGA	MPC8536EAVTAQGA Replaced by MPC8536EAVJAQGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTATH	MPC8536EAVTATH Replaced by MPC8536EAVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTATHA	MPC8536EAVTATHA Replaced by MPC8536EAVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTAULA	MPC8536EAVTAULA Replaced by MPC8536EAVJAULA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EAVTAVLA	MPC8536EAVTAVLA Replaced by MPC8536EAVJAVLA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EBVTAQGA	MPC8536EBVTAQGA Replaced by MPC8536EBVJAQGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EBVTATHA	MPC8536EBVTATHA Replaced by MPC8536EBVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process

MPC8536EBVTAULA	MPC8536EBVTAULA Replaced by MPC8536EBVJAULA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536EBVTAVLA	MPC8536EBVTAVLA Replaced by MPC8536EBVJAVLA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536ECVTAKGA	MPC8536ECVTAKGA Replaced by MPC8536ECVJAKGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536ECVTAQGA	MPC8536ECVTAQGA Replaced by MPC8536ECVJAQGA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536ECVTATHA	MPC8536ECVTATHA Replaced by MPC8536ECVJATHA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536ECVTAULA	MPC8536ECVTAULA Replaced by MPC8536ECVJAULA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process
MPC8536ECVTAVLA	MPC8536ECVTAVLA Replaced by MPC8536ECVJAVLA	Same Form, Fit & Function, Pin-for-Pin Equivalent	Assembly Process

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DESCRIPTION OF CHANGE

In addition to announcing lead-free wafer bumps, PCN 16359 announced the consolidation from three temperature ranges offered to two - "The "A" 0 °C - 90 °C products will no longer be offered. The remaining temperature ranges will still be offered: "B" 0 °C - 105 °C and "C" -40 °C - 105 °C."

In this PCN, PCN16359A, Freescale is pleased to announce that three temperature ranges will still be offered. The MPC8536/35 "A" 0 °C - 90 °C products will be available in the Pb-Free FCPBGA package (VJ). The leaded package options, "VT" and "PX", are being replaced with the "VJ" package.

The table below summarizes the MPC8536/35 temperature ranges supported:

Indicator	Tier and Temperature Range
A	Commercial tier standard temperature range (0 ° to 90 ° C)
B or Blank	Industrial tier standard temperature range (0 ° to 105 ° C)
C	Industrial tier extended temperature range (-40 ° to 105 ° C)

REASON FOR CHANGE

Announce that Freescale is including the 0C to 90C MPC8536/35 product as part of the lead-free migration.

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

No change to Fit, Function, or Reliability. Change in Form, from leaded wafer bumps to lead-free wafer bumps, was announced in PB 16034.

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):

[16359](#) - MPC8536/35 Device Migration from Leaded Wafer Bumps to Lead-Free Wafer Bumps

To view the GENERIC copy, click on the notification number above.

QUAL DATA AVAILABILITY DATE: 20-Dec-2013

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: 05-Aug-2014

ATTACHMENT(S):

External attachment(s) for this notification can be viewed at:

[16359A MPC8535 8536 Industrial Qual Report Rev 3 042214.pdf](#)
