



DEVICE MIGRATION
Generic Copy

ISSUE DATE: 01-Aug-2014
 NOTIFICATION: 16359
 TITLE: MPC8536/35 Device Migration from Leaded Wafer Bumps to Lead-Free Wafer Bumps
 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 MPC8535BVJANGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8535AVTATHA | MPC8535AVTATHA Replaced BY MPC8535BVJATHA | 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 |
| MPC8535EAVTAQG | MPC8535EAVTAQG Replaced BY MPC8536EBVJAQGA | 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 MPC8536BVJAKGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536AVTANGA | MPC8536AVTANGA Replaced BY MPC8536BVJANGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536AVTAQGA | MPC8536AVTAQGA Replaced BY MPC8536BVJAQGA | Same Form, Fit & Function, Pin-for-Pin | Assembly Process |

| | | | |
|-----------------|--|---|------------------|
| | | Equivalent | |
| MPC8536AVTATHA | MPC8536AVTATHA Replaced BY MPC8536BVJATHA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536AVTAULA | MPC8536AVTAULA Replaced BY MPC8536BVJAULA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536AVTAVLA | MPC8536AVTAVLA Replaced BY MPC8536BVJAVLA | 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 MPC8536EBVJAKGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536EAVTANG | MPC8536EAVTANG Replaced BY MPC8536EBVJANGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536EAVTANGA | MPC8536EAVTANGA Replaced BY MPC8536EBVJANGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536EAVTAQG | MPC8536EAVTAQG Replaced BY MPC8536EBVJAQGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536EAVTAQGA | MPC8536EAVTAQGA Replaced BY MPC8536EBVJAQGA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |

| | | | |
|-----------------|--|---|------------------|
| MPC8536EAVTATH | MPC8536EAVTATH Replaced BY MPC8536EBVJATHA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536EAVTATHA | MPC8536EAVTATHA Replaced BY MPC8536EBVJATHA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536EAVTAULA | MPC8536EAVTAULA Replaced BY MPC8536EBVJAULA | Same Form, Fit & Function, Pin-for-Pin Equivalent | Assembly Process |
| MPC8536EAVTAVLA | MPC8536EAVTAVLA Replaced BY MPC8536EBVJAVLA | 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 |
| MPC8536ECVTAUL | MPC8536ECVTAUL Replaced BY MPC8536ECVJAULA | 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 |

DESCRIPTION OF CHANGE

Freescall is pleased to announce the MPC8536/35 products are now available in the Pb-Free FCPBGA package (VJ). The leaded package options, "VT" and "PX", are being replaced with the "VJ" package.

This notification also announces 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.

REASON FOR CHANGE

The MPC8536/35 product family has been qualified with lead-free wafer bumps to satisfy the 2016 RoHS directive.

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.

Freescall 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 [S r R](#)

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

RELATED NOTIFICATION(S):

[16034](#) - Availability of RoHS Compliant Package for MPC8572, MPC8548, MPC8535/36, MPC8533/44 & MC8640/41 Families

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

UAL DATA AVAILABILITY DATE: 20-Dec-2013

UALIFICATION STATUS: N/A

UALIFICATION 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:

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