



Final Product Change Notification

201803021F01

Issue Date: 24-Aug-2018

Effective Date: 21-Nov-2018

Dear *I.H.S.*,

Please find below a Quality Notification that has been distributed by NXP.



Management Summary

MPC8245 and MPC8250/8255/8260/8265 conversion from Glob Top to Center Gate Mold.

Change Category

Wafer Fab Process

Wafer Fab Materials

Wafer Fab Location

Firmware

<input checked="" type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Location	<input type="checkbox"/> Design
<input checked="" type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Process	<input type="checkbox"/> Errata
<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Electrical spec./Test coverage

Other

MPC8245 and MPC8250/8255/8260/8265 TBGA Product Family Conversion to Center Gate Mold Process

Description of Change

NXP is pleased to announce a new encapsulation process called Center Gate Mold for the TBGA package variants of the MPC8245 and MPC8250/8255/8260/8265 product families.

Currently, the encapsulation process used on the TBGA package variants of the MPC8245 and MPC8250/8255/8260/8265 product family is the Fine Pitch Glob process. For supply assurance, NXP is adding the Center Gate Mold process to these product families.

Due to the nature of the Center Gate Mold (injection mold) process, the current Dexter FP4451 Dam and Nagase T693/R1001 Glob Filter epoxy will be replaced by the Sumitomo G770SFL Ultra Low Alpha Mold Compound used in established Center Gate Mold products.

Reason for Change

As part of NXP's continuous improvement efforts, this change is being made to support customer supply assurance.

Identification of Affected Products

Product identification does not change

Product Availability

Sample Information

Samples availability differs by product - see attached sample plan
See attached sample plan.

Production

Planned first shipment 21-Nov-2018

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

No impact on form, fit, function, reliability or quality.
No impact to Form, Fit, Function or Reliability.

Case outline spec is maintained while providing a more dimensionally uniform product. This will be observed as a flatter surface with uniform color.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Additional information

Affected products and sales history information: see attached file

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 23-Sep-2018.

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:

Name Michael Wilson
Position Product Marketer
e-mail address mike.wilson@nxp.com

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NXP Quality Management Team.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	New Orderable Part#	New part 12NC	New Part number	New part description	Product Line	Notes
MPC8245TZU350D	935319153557	MPC8245TZU350D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TZU350D
MPC8245LVV300D	935316732557	MPC8245LVV300D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LVV300D
MPC8255ACZUMHBB	935324146557	MPC8255ACZUMHBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8255ACZUMHBB
MPC8265ACVVMIBC	935324152557	MPC8265ACVVMIBC	PQ 2 HIP4 REV-C NO-PB		LBGA480	RFS					BL Digital Networking	MPC8265ACVVMIBC
MPC8245TZU300D	935316718557	MPC8245TZU300D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TZU300D
MPC8245TVV300D	935316716557	MPC8245TVV300D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TVV300D
MPC8255AZUMHBB	935321187557	MPC8255AZUMHBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8255AZUMHBB
MPC8260AZUPIBB	935325358557	MPC8260AZUPIBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260AZUPIBB
MPC8265ACZUMIBC	935325352557	MPC8265ACZUMIBC	POWER QUICC II HIP4C		LBGA480	RFS					BL Digital Networking	MPC8265ACZUMIBC
MPC8265AVVPIBC	935325356557	MPC8265AVVPIBC	PQ 2 HIP4 REV-C NO-PB		LBGA480	RFS					BL Digital Networking	MPC8265AVVPIBC
MPC8250AZUPIBC	935322725557	MPC8250AZUPIBC	POWER QUICC II HIP4C		LBGA480	RFS					BL Digital Networking	MPC8250AZUPIBC
MPC8245LVV350D	935321131557	MPC8245LVV350D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LVV350D
MPC8255AVVMHBB	935316827557	MPC8255AVVMHBB	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8255AVVMHBB
MPC8255ACVVMHBB	935319175557	MPC8255ACVVMHBB	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8255ACVVMHBB
MPC8260AVVPJDB	935313764557	MPC8260AVVPJDB	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8260AVVPJDB
MPC8255AZUMHBB	935321187557	MPC8255AZUMHBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8255AZUMHBB
MPC8260ACZUMIBB	935321193557	MPC8260ACZUMIBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260ACZUMIBB
MPC8260AVVMHBB	935325357557	MPC8260AVVMHBB	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8260AVVMHBB
MPC8260AZUPIBB	935325358557	MPC8260AZUPIBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260AZUPIBB
MPC8250AZUMHBC	935325289557	MPC8250AZUMHBC	POWER QUICC II HIP4C		LBGA480	RFS					BL Digital Networking	MPC8250AZUMHBC
MPC8245TVV333D	935325262557	MPC8245TVV333D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TVV333D
MPC8250AVVMHBC	935316737557	MPC8250AVVMHBC	PQ 2 HIP4 REV-C NO-PB		LBGA480	RFS					BL Digital Networking	MPC8250AVVMHBC
MPC8260ACZUMHBB	935316826557	MPC8260ACZUMHBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260ACZUMHBB
MPC8265ACZUMHBC	935313759557	MPC8265ACZUMHBC	POWER QUICC II HIP4C		LBGA480	RFS					BL Digital Networking	MPC8265ACZUMHBC
MPC8245LVV266D	935325283557	MPC8245LVV266D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LVV266D
MPC8250ACZUMHBC	935325281557	MPC8250ACZUMHBC	POWER QUICC II HIP4C		LBGA480	RFS					BL Digital Networking	MPC8250ACZUMHBC
MPC8255AVVPIBC	935316823557	MPC8255AVVPIBC	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8255AVVPIBC
MPC8260AVVPIBC	935316828557	MPC8260AVVPIBC	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8260AVVPIBC
MPC8260AZUMHBB	935313765557	MPC8260AZUMHBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260AZUMHBB
MPC8245LZU333D	935313643557	MPC8245LZU333D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LZU333D
MPC8260AZUMHBB	935313765557	MPC8260AZUMHBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260AZUMHBB
MPC8245LZU300D	935313653557	MPC8245LZU300D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LZU300D
MPC8245LZU350D	935313644557	MPC8245LZU350D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LZU350D
MPC8260ACVVMIBB	935319258557	MPC8260ACVVMIBB	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8260ACVVMIBB
MPC8245TZU266D	935316717557	MPC8245TZU266D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TZU266D
MPC8250AVVPIBC	935319256557	MPC8250AVVPIBC	PQ 2 HIP4 REV-C NO-PB		LBGA480	RFS					BL Digital Networking	MPC8250AVVPIBC
MPC8245LVV333D	935309553557	MPC8245LVV333D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LVV333D
MPC8245LZU266D	935324089557	MPC8245LZU266D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LZU266D
MPC8250ACVVMHBC	935322712557	MPC8250ACVVMHBC	PQ 2 HIP4 REV-C NO-PB		LBGA480	RFS					BL Digital Networking	MPC8250ACVVMHBC
MPC8255AZUPIBB	935313753557	MPC8255AZUPIBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8255AZUPIBB
MPC8265AZUPJDC	935319259557	MPC8265AZUPJDC	POWER QUICC II HIP4C		LBGA480	RFS					BL Digital Networking	MPC8265AZUPJDC
MPC8245TVV350D	935322709557	MPC8245TVV350D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TVV350D
MPC8245TZU333D	935325263557	MPC8245TZU333D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TZU333D
MPC8245TVV266D	935316715557	MPC8245TVV266D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245TVV266D
MPC8260ACZUMHBB	935316826557	MPC8260ACZUMHBB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260ACZUMHBB
MPC8265AZUPIBC	935321192557	MPC8265AZUPIBC	POWER QUICC II HIP4C		LBGA480	RFS					BL Digital Networking	MPC8265AZUPIBC
MPC8260ACVVMHBB	935325354557	MPC8260ACVVMHBB	PQ II HIP4 NO-PB REV B		LBGA480	RFS					BL Digital Networking	MPC8260ACVVMHBB
MPC8260AZUPJDB	935313766557	MPC8260AZUPJDB	POWERQUICC II HIP4 REV B		LBGA480	RFS					BL Digital Networking	MPC8260AZUPJDB
MPC8245LZU266D	935324089557	MPC8245LZU266D	INTEGRATED HOST PROC		LBGA352	RFS					BL Digital Networking	MPC8245LZU266D