



PRODUCT AND PROCESS CHANGE NOTIFICATION

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ISSUE DATE: 30-Jul-2015
NOTIFICATION: 16811
TITLE: Tray Design Change for BGA 8x8x0.50mm Package with 00F8 Package Code
EFFECTIVE DATE: 28-Oct-2015

DEVICE(S)

MPN
MK22DN512VDC5
MK22FN128VDC10
MK22FN256VDC12
MK22FN512VDC12
MK24FN1M0VDC12
MK24FN256VDC12
MK64FN1M0VDC12
MK64FX512VDC12
MK80FN256VDC15
MK81FN256VDC15
MK82FN256VDC15
PK22FN128VDC10
PK22FN256VDC12
PK22FN512VDC12
PK24FN1M0VDC12
PK24FN256VDC12
PK80FN256VDC15
PK81FN256CDC15
PK82FN256CDC15
PKL28Z512VDC7

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AFFECTED CHANGE CATEGORIES

- SHIPPING/PACKAGING MATERIALS

DESCRIPTION OF CHANGE

Freescall has qualified an improved shipment tray design for 8x8x0.50mm BGA packages.

REASON FOR CHANGE

The new tray has an improved pocket design which minimizes potential damage if the trays are dropped.

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

The new tray has an improved pocket design which minimizes potential damage if the trays are dropped.

The Z-seating (to top of package) changes from 1.51mm to 0.79mm.

The pocket pitch for X and Y are not changed.

Dimension	From	To	Comment
	ITW 40808-11-1229-4	Peak NX BG0808 0.9 1229 6 REV.A	
Z-seating (to top of pkg)	1.51mm	0.79mm	Change
Pocket to Pocket Pitch – X (M2)	10.40mm	10.40mm	No change
Pocket to Pocket Pitch – Y (M3)	10.40mm	10.40mm	No change
1st cavity, X (M1)	10.75mm	10.75mm	No change
1st cavity, Y (M)	11.90mm	11.90mm	No change

According to JEDEC Standard JESD46, lack of acknowledgement of this PCN within 30 days will be considered acceptance of change. To request further data or inquire about the notification, please enter a [Service Request](#).

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

QUAL DATA AVAILABILITY DATE: 11-Jun-2015

QUALIFICATION STATUS: COMPLETED

QUALIFICATION PLAN:

Dimensional Qualification

Stacked Tray Alignment

Surface Resistivity and Static Decay Test

3-Point Bending Test

Bake Test

Strapping Test

Drop Testing Using an Inspection System

Line Test

RELIABILITY DATA SUMMARY:

The new tray design passed all the qualification requirements. A report can be provided by request.

ELECTRICAL CHARACTERISTIC SUMMARY:

NA

CHANGED PART IDENTIFICATION:

The new tray is marked as "PEAK" on one end of the tray and "NX BG0808" on the other end.

The previous tray is marked as "ITW Camtex" on one end of the tray and "40909-11-1026-9" on the other end.

A summary with the changes and markings can be provided by request.

SAMPLE AVAILABILITY DATE: 08-Jun-2015

ATTACHMENT(S):

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

[16811 ITW OLD to Peak 8x8x0 50mm tray change GPCN.pdf](#)
