



**PRODUCT AND PROCESS CHANGE NOTIFICATION UPDATE**  
Generic Copy

**ISSUE DATE:** 09-Jul-2013  
**NOTIFICATION:** 15659A  
**TITLE:** P1010/P1014 AND P1022/P1013 - STATS CHIPPAC - KOREA 2ND ASSEMBLY SITE  
 QUALIFICATION  
**EFFECTIVE DATE:** 03-Nov-2013

**DEVICE(S)**

MPN
P1010NSE5DFA
P1010NSE5FFA
P1010NSE5HFA
P1010NSE5HHA
P1010NSE5KHA
P1010NSN5DFA
P1010NSN5DFB
P1010NSN5FFA
P1010NSN5FFB
P1010NSN5HFA
P1010NSN5HFB
P1010NSN5HHA
P1010NSN5HHB
P1010NSN5KHA
P1010NSN5KHB
P1010NXE5DFA
P1010NXE5FFA
P1010NXE5HFA
P1010NXE5HHA
P1010NXE5KHA
P1010NXN5DFA
P1010NXN5FFA
P1010NXN5HFA
P1010NXN5HHA
P1010NXN5KHA
P1010PSE5HFA
P1010PSN5KHA
P1010PXE5DFA
P1010PXE5HHA
P1013NSE2EFB
P1013NSE2HFB
P1013NSE2LFB
P1013NSE2MHB
P1013NSN2EFB
P1013NSN2HFB
P1013NSN2LFB
P1013NSN2MHB
P1013NXE2EFB
P1013NXE2HFB
P1013NXE2LFB
P1013NXN2EFB
P1013NXN2HFB

P1013NXN2LFB
P1013PSE2HFB
P1013PSE2LFB
P1013PXE2LFB
P1013SSN2LHB
P1014NSE5DFA
P1014NSE5FFA
P1014NSE5HFA
P1014NSE5HHA
P1014NSN5DFA
P1014NSN5DFB
P1014NSN5FFA
P1014NSN5FFB
P1014NSN5HFA
P1014NSN5HFB
P1014NSN5HHA
P1014NSN5HHB
P1014NXE5DFA
P1014NXE5FFA
P1014NXE5HFA
P1014NXE5HHA
P1014NXN5DFA
P1014NXN5FFA
P1014NXN5HFA
P1014NXN5HHA
P1014PSE5FFA
P1014PXE5DFA
P1014PXE5HHA
P1022NSE2EFB
P1022NSE2HFB
P1022NSE2LFB
P1022NSE2LHB
P1022NSE2MHB
P1022NSN2EFB
P1022NSN2HFB
P1022NSN2LFB
P1022NSN2MHB
P1022NXE2EFB
P1022NXE2HFB
P1022NXE2LFB
P1022NXN2EFB
P1022NXN2HFB
P1022NXN2LFB
P1022PSE2HFB
P1022PSE2LFB
P1022PSE2MHB
P1022PXE2LHB
TV2-BLOCK-28NM

**AFFECTED CHANGE CATEGORIES**

- ASSEMBLY SITE

**DESCRIPTION OF CHANGE**

This update supercedes PCN 15659. Pre-production samples are no longer available. Qualified samples will be available after July 31, 2013.

Freescale is adding a second assembly site, STATS ChipPAC - Korea, for the P1010/P1014 and P1022/P1013 product families to ensure supply.

To order a qualified sample replace the standard part number "P10xx" prefix with a "KP10xx" prefix.

Reliability stress data for this qualification will be available thirty days after this PCN update is issued.

## **REASON FOR CHANGE**

This qualification is for supply assurance.

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

There is no change to form, fit, function, or reliability.

---

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](http://www.freescale.com)

---

## **RELATED NOTIFICATION(S):**

[15659](#) - P1010/P1014 and P1022/P1013 - STATS ChipPAC - Korea 2nd Assembly Site Qualification

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

---

**QUAL DATA AVAILABILITY DATE:** 30-Jul-2013

**QUALIFICATION STATUS:** IN PROCESS

## **QUALIFICATION PLAN:**

The reliability stresses for P1020 and P1025, the qualification vehicles, are shown below. These two devices were qualified for assembly at STATS ChipPAC - Korea in April 2013.

The remaining qualification data for P1010/P1014 and P1022/P1013, shown below, will be available thirty days after this PCN update issues.

Device	P1020 (Qual Vehicle)	P1025	P1010/P1014	P1022/P1013
Package	TEPBGA 689 31SQ Sample Size/Failures	TEPBGA 561 23SQ Sample Size/Failures	TEPBGA 425 19SQ Lots x Sample Size	TEPBGA 689 31SQ Lots x Sample Size
MSL CZ	0/66 Complete	0/66 Complete	1x5 Data will be available 30 days after the issue date of this update notification.	1x5 Data will be available 30 days after the issue date of this update notification.
TC	0/240 Complete	0/78 Complete	3x26 Data will be available 30 days after the issue date of this update notification.	3x26 Data will be available 30 days after the issue date of this update notification.
uHAST	0/240 Complete	0/240 Complete	Qual by Similarity to P1025.	3x26 Data will be available 30 days after the issue date of this update notification.
THB	0/90 Complete	Qual by Similarity to P1020	Qual by Similarity to P1020.	Qual by Similarity to P1020.
HTSL	0/90 Complete	Qual by Similarity to P1020	Qual by Similarity to P1020.	Qual by Similarity to P1020.
HTOL	0/240 Complete	Qual by Similarity to P1020	Qual by Similarity to P1020.	Qual by Similarity to P1020.
Electrical CZ	Passed	Passed	Data will be available 30 days after the issue date of this update notification.	Data will be available 30 days after the issue date of this update notification.

**RELIABILITY DATA SUMMARY:**

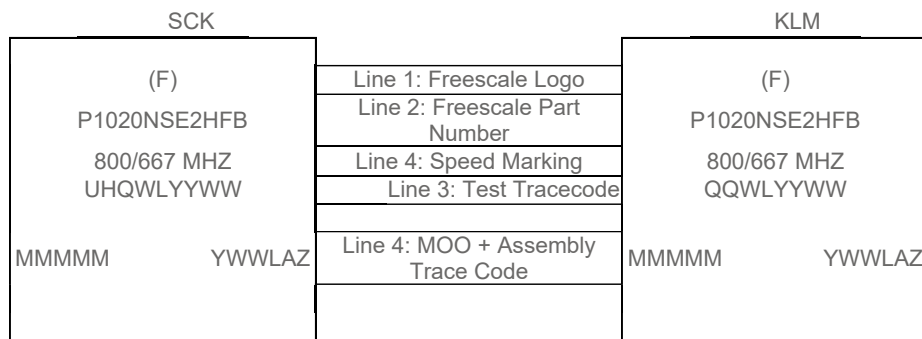
Reliability stress data will be available within thirty days of the issuance of this PCN update.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

The required electrical characterization reports will be available within thirty days of the issuance of this PCN update.

**CHANGED PART IDENTIFICATION:**

Parts assembled at the STATS ChipPAC - Korea site will be identified by the first two characters in the trace code and the country of origin marking; "UH" and the country of origin will be Korea.



**SAMPLE AVAILABILITY DATE:** 31-Jul-2013

**ATTACHMENT(S):**

N/A