

PRODUCT/PROCESS CHANGE NOTIFICATION (PCN)

PCN: **PLX 2007-14**

Date: September 14, 2007

Products Affected: All die revisions of :

Note: Products affected are both Green and Non-Green versions

Base Device	Package type	Body Size	Ball Count
PEX8505-xx25BI	PBGA	15 x 15	196
PEX8508-xx25BI	HS-PBGA	19 x 19	296
PEX8509-xx25BI	PBGA	15 x 15	196
PEX8512-xx25BI	PBGA	23 x 23	376
PEX8516-xx25BI	HS-PBGA	35 x 35	680
PEX8517-xx25BI	HS-PBGA	27 x 27	312
PEX8518-xx25BI	HS-PBGA	23 x 23	376
PEX8524-xx25BI	HS-PBGA	31 x 31	644
PEX8524-xx25VBI	HS-PBGA	35 x 35	680
PEX8525-xx25BI	HS-PBGA	31 x 31	644
PEX8532-xx25BI	HS-PBGA	35 x 35	680
PEX8532-xx25BC	HS-PBGA	35 x 35	680
PEX8533-xx25BI	HS-PBGA	35 x 35	680
PEX8547-xx25BC	HS-PBGA	37.5 x 37.5	736
PEX8548-xx25BI	HS-PBGA	37.5 x 37.5	736

Manufacturing Location Affected: Increase manufacturing capability. Adding ASE Kaohsiung for BGA (HS, PBGA) assembly.

Date Effective: **December 14, 2007**

MEANS OF DISTINGUISHING CHANGED DEVICES

Top marking will identify country of origin as Taiwan. All other mark is the same.

Contact: Anita Chan or Brete Bigley

Organization: Quality Assurance and Reliability



PLX PCN# 2007-14
PCIe Assembly_ ASE

Phone: (408) 328-3537 or (408) 328-3505

achan@lxtech.com or bbigley@plxtech.com

Samples: Upon request and scheduled lead time

DESCRIPTION AND PURPOSE OF CHANGE:

To support an expanded and scalable manufacturing strategy, PLX is adding ASE Kaohsiung to increase its qualified assembly subcontractor capability for the above listed products. With the addition of ASE Kaohsiung, PLX continues to enhance its manufacturing strength and flexibility to meet the requirements of our Customers. The ASE Group is a top tier, well established, and qualified high volume assembly subcontractor in the semiconductor industry. They are ISO9001:2000, TS16949, and ISO14001 certified as well as a Sony Green Partner.

RELIABILITY/QUALIFICATION SUMMARY:

Reliability tests per plan (see attachments below) will be performed. PLX has selected two (2) representative package vehicles to represent a full package family qualification across products affected. The die from each product is previously qualified and successfully running in production today. No die qual is required. The only change under evaluation is the additional assembly site located at ASE Kaohsiung, Taiwan.

The selected package family qual vehicles are a 35x35 and 27x27 HS-PBGA, 1mm pitch. The devices are both PCIe Gen 1 Switches. These qualification vehicles were selected based on rules of similarity including the most stringent design rules, larger body sizes and die within the package family. The balance of devices in the affected product list will be qualified by similarity to the 35x35 and 27x27 qualifications.

Note that PLX will subject 3 separate date code lots to the qualification plan per package family qual vehicle. These 3 date codes will be represented by 2 Green lots and 1 Sn/Pb (lead) each.



ASEK-27x27

PACKAGE QUAL PI



ASEK-35x35

PACKAGE QUAL PI

CUSTOMER ACKNOWLEDGEMENT OF RECEIPT (optional):

Please FAX the acknowledgement below to Brete Bigley at (408) 962-6857 or E-mail ga@plxtech.com or request additional information.

Please note: This PCN is intended to serve as a quality notification to our valued customers and is a part of our continuous quality improvement effort. This PCN does solicit our customer's approval. If PLX does not receive acknowledgement within 30 days of this notice, it will be assumed that this change is acceptable.

Customer: _____

Name/Date: _____

E-mail Address: _____

Title: _____

Phone# /Fax# : _____ / _____

Customer Comments:

REC'D. BY: _____

DATE: _____