



Cypress Semiconductor Corporation – An Infineon Technologies Company
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PRODUCT CHANGE NOTIFICATION

PCN: PCN203102

Date: July 27, 2020

Subject: Qualification of ASE Kaohsiung (ASE-KH) as an Additional Bumping and Finish Process Site for Select WLCSP Products

To:

Change Type: Major

Description of Change:

Cypress announces the qualification of Advanced Semiconductor Engineering Inc. (ASE-KH, No.47, Kaifa Road, N.E.P.Z. Kaohsiung City 811, Taiwan, R.O.C.) as an additional bumping and finish process site for select WLCSP products. ASE-KH is Cypress' existing manufacturing site for many other WLCSP products in high volume production mode.

The WLCSP package are assembled at ASE-KH using the following Bill of Materials:

Material	ASE-KH Bill of Materials	NEPES (DECATECH) Bill of Materials
Passivation	PBO (HD8820)	PBO (HD8820)
RDL	Cu	Cu
UBM Seed Layer	Ti, 1000A	Ti, 1000A
UBM Seed Layer	Cu, 2000A	Cu, 2000A
UBM	Cu, 8.9um (before etch) or 8.6um (post etch)	Cu, 9um (before etch) or 8.6um (post etch)
Solder Bump	SAC405	SAC405

Benefit of Change:

Qualification of alternate manufacturing sites is part of the ongoing flexible manufacturing initiative announced by Cypress. The goal of the flexible manufacturing initiative is to provide the means for Cypress to continue to meet delivery commitments through dynamic, changing market conditions.

Part Numbers Affected: 35

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PCN will include all changes outlined in this PCN.

Qualification Status:

This assembly site has been qualified through a series of tests documented in Qualification Test Plans QTP#192301 and QTP#192302. These qualification reports can be found as attachments to this PCN or by visiting www.cypress.com and typing the QTP number in the keyword search window.

Sample Status:

Qualification samples may not be built ahead of time for all part numbers affected by this change. Please review the attached 'Affected Parts List' file for a list of affected part numbers with their associated ASEKH sample ordering part numbers. Samples are available now unless there is an indication that the sample ordering part numbers are subject to lead times. If you require qualification samples, please contact your local Cypress sales representative as soon as possible, preferably within 30 days of the date of this PCN, to place any sample orders.

Approximate Implementation Date:

Effective 90 days from the date of this notification or upon customer approval, whichever comes first, all shipments of Commercial, Industrial and Automotive non-PPAP part numbers in the attached file will be assembled at ASEKH or other approved assembly sites.

Anticipated Impact:

Products assembled at the new site are completely compatible with existing products from form, fit, functional, parametric and quality performance perspectives.

Cypress also recommends that customers take this opportunity to review these changes against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

Method of Identification:

Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

Response Required:

No response is required.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at pcn_adm@cypress.com.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Sample Order Part Number	Sample Availability
1	CY8C3866FNI-210T	CY8C3866FNI-210KGT	Subject to lead time
2	CY8C4127FNI-BL483T	CY8C4127FNI-BL483KGT	Subject to lead time
3	CY8C4127FNI-BL493T	CY8C4127FNI-BL493KGT	Subject to lead time
4	CY8C4128FNI-BL543T	CY8C4128FNI-BL543KGT	Subject to lead time
5	CY8C4128FNI-BL553T	CY8C4128FNI-BL553KGT	Subject to lead time
6	CY8C4128FNI-BL563T	CY8C4128FNI-BL563KGT	Subject to lead time
7	CY8C4128FNI-BL573T	CY8C4128FNI-BL573KGT	Subject to lead time
8	CY8C4128FNI-BL583T	CY8C4128FNI-BL583KGT	Subject to lead time
9	CY8C4128FNI-BL593T	CY8C4128FNI-BL593KGT	Subject to lead time
10	CY8C4247FLI-BL493T	CY8C4247FLI-BL493KGT	Subject to lead time
11	CY8C4247FNI-BL473T	CY8C4247FNI-BL473KGT	Subject to lead time
12	CY8C4247FNI-BL483T	CY8C4247FNI-BL483KGT	Subject to lead time
13	CY8C4247FNI-BL493T	CY8C4247FNI-BL493KGT	Subject to lead time
14	CY8C4247FNQ-BL483T	CY8C4247FNQ-BL483KGT	Subject to lead time
15	CY8C4248FNI-BL543T	CY8C4248FNI-BL543KGT	Subject to lead time
16	CY8C4248FNI-BL553T	CY8C4248FNI-BL553KGT	Subject to lead time
17	CY8C4248FNI-BL563T	CY8C4248FNI-BL563KGT	Subject to lead time
18	CY8C4248FNI-BL573T	CY8C4248FNI-BL573KGT	Subject to lead time
19	CY8C4248FNI-BL583T	CY8C4248FNI-BL583KGT	Subject to lead time
20	CY8C4248FNI-BL593T	CY8C4248FNI-BL593KGT	Subject to lead time
21	CY8C4248FNQ-BL583T	CY8C4248FNQ-BL583KGT	Subject to lead time
22	CY8C4248FLI-BL583T	CY8C4248FLI-BL583KGT	Subject to lead time
23	CY8C5266FNI-LP205T	CY8C5266FNI-LP205KGT	Subject to lead time
24	CY8C5288FNI-LP213T	CY8C5288FNI-LP213KGT	Subject to lead time
25	CY8C5488FNI-LP212T	CY8C5488FNI-LP212KGT	Subject to lead time
26	CY8C5888FNI-LP210T	CY8C5888FNI-LP210KGT	Subject to lead time
27	CY8C5888FNI-LP214T	CY8C5888FNI-LP214KGT	Subject to lead time
28	CYPD3126-42FNXIT	CYPD3126-42FNXIKGT	Available
29	CG8615AAT	CG8615AZT	Subject to lead time
30	CG8669AAT	CG8669AZT	Subject to lead time
31	CG8670AAT	CG8670AZT	Subject to lead time
32	CP8420ATT	CP8420ZTT	Subject to lead time
33	CS8399ATT	CS8399ZTT	Subject to lead time
34	CS8478AAT	CS8478AZT	Subject to lead time
35	CS8480AAT	CS8480AZT	Subject to lead time