



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-2600

PRODUCT CHANGE NOTIFICATION

PCN: PCN145357

Date: December 23, 2014

Subject: Transfer of Assembly Site from ASE Taiwan to OSE Taiwan for 28-Lead SOIC 330mil Packages

To: PCN ADMIN
CYPRESS
pcn_admin@cypress.com

Change Type: Major

Description of Change:

Cypress announces the qualification of assembly manufacturing operations at Orient Semiconductor Electronics (OSE) in Kaohsiung, Taiwan for 28-Lead SOIC 330mil packages that are currently being assembled at ASE Chung-Li, Taiwan. OSE Taiwan will manufacture Non-volatile SRAM products in the above package by using the following set of materials:

Material	OSE Taiwan Set of Material	ASE Taiwan Set of Material
Mold Compound	Sumitomo EMEG631	Sumitomo EMEG600
Die Attach Epoxy	Sumitomo CRM1076	Hitachi EN4900
Bond Wire	Au-1.0mil	Au-0.9mil
Lead Finish	Pure Sn	Pure Sn

OSE Taiwan is one of the world's largest independent semiconductor manufacturing service providers in assembly and test operations. Their assembly and test facilities in Kaohsiung, Taiwan are already a qualified site for other Cypress products. This qualification will enable Non-volatile SRAM products to be assembled and tested in one subcontractor facility and will allow Cypress to leverage OSE Taiwan's manufacturing expertise and quality focus.

Benefit of Change:

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

Part Numbers Affected: 18

Affected Parts: Refer to the attached 'Affected parts list' file

Qualification Status:

OSE Taiwan has been qualified through a series of tests documented in Qualification Test Plan (QTP) 144904. The Qualification report can be found as an attachment to this notification or by visiting www.cypress.com and typing the QTP number in the keyword search window.

Sample Status:

Qualification samples are not built ahead of time for all part numbers affected by this change. Please review the attached file for a list of affected part numbers with their associated sample ordering part numbers. Sample requests for products without sample order part numbers are not built ahead of time, will be built to order and subject to standard lead times. Please contact your sales representative as soon as possible, but 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 the affected part numbers listed above will be assembled at OSE Taiwan or other approved assembly sites.

Anticipated Impact:

None anticipated. Products assembled at OSE Taiwan are completely compatible with existing product from a functional, parametric, and quality performance perspective.

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:

There will be no changes to the part number. 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
1	STK11C68-SF45	STK11C68-SF45KO
2	STK11C68-SF45TR	STK11C68-SF45KO
3	STK11C88-SF25I	STK11C88-SF25IKO
4	STK11C88-SF25ITR	STK11C88-SF25IKO
5	STK11C88-SF45I	STK11C88-SF45IKO
6	STK11C88-SF45ITR	STK11C88-SF45IKO
7	STK12C68-SF25	STK12C68-SF25KO
8	STK12C68-SF25I	STK12C68-SF25IKO
9	STK12C68-SF25ITR	STK12C68-SF25IKO
10	STK12C68-SF25TR	STK12C68-SF25KO
11	STK12C68-SF45	STK12C68-SF45KO
12	STK12C68-SF45I	STK12C68-SF45IKO
13	STK12C68-SF45ITR	STK12C68-SF45IKO
14	STK12C68-SF45TR	STK12C68-SF45KO
15	STK15C88-SF25I	STK15C88-SF25IKO
16	STK15C88-SF25ITR	STK15C88-SF25IKO
17	STK15C88-SF45I	STK15C88-SF45IKO
18	STK15C88-SF45ITR	STK15C88-SF45IKO