



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN171502

Date: April 12, 2017

Subject: Qualification of OSE-Taiwan as an Additional Assembly Site for Select 44 Lead TSOP II Stacked Die Products

To: TOKYO ELECTRON DEVICE

Description of Change:

Cypress announces the qualification of OSE-Taiwan as an additional assembly site for select 44 Lead TSOP II (400mils) Pb-Free stacked die package products. OSE-Taiwan is a world-class assembly facility, qualified to build standard grade products consistent with AEC-Q100. The qualification of this facility will enable Cypress to tailor assembly operations to meet our customers' stringent quality and reliability requirements in our effort to continually provide world-class service.

44-Lead TSOP II (400mils) Pb-Free products will be assembled at OSE-Taiwan using the following bill of materials.

Material	OSE-Taiwan Bill of Materials	ASE-KH Taiwan Bill of Materials
Mold Compound	Hitachi 9200HF-U	Hitachi 9200THF-U
Lead Frame	Cu	Alloy 42
Die Attach Material	Hitachi HR5104	Hitachi FH900
Bond Wire	1 mil Au	1 mil Au

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.

Affected Parts: 23

Part Numbers Affected: 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:

As per specific list of major changes, this package is being qualified through a series of tests planned in the Qualification Test Plan #161602. The report for this QTP can be found as an attachment to this PCN.

Sample Status:

Qualification samples are not built ahead of time for all part numbers affected by this change. Please review the attached 'Affected parts list' file for the list of affected part numbers with their associated OSE-Taiwan sample ordering part numbers. Sample requests for products with "Subject to lead time" are not built ahead of time, they 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, all shipments of the affected part number listed above will be assembled at OSE-Taiwan or other approved assembly sites.

Anticipated Impact:

None anticipated. Customers may receive parts from OSE Taiwan or other approved assembly sites.

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:

Please acknowledge receipt of this PCN, and submit any sample or additional information requests, within 30 days of this notification. Lack of acknowledgement will constitute acceptance of this change, which will be implemented 90 days from this notification.

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