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PRODUCT CHANGE NOTIFICATION

PCN: PCN161702

Date: April 27, 2016

Subject: Qualification of Hwa Shu Shipping Tray for 54-Lead TSOP II Product Shipments at ASE Taiwan

To: TOKYO ELECTRON DEVICE
cy-pcn@teldevice.co.jp

Change Type: Minor

Description of Change:

Cypress has qualified a new tray (supplied by Hwa Shu) intended for 54-lead TSOP II product shipments at our sub-contractor assembly location, ASE-Taiwan. The new tray will replace the current tray (supplied by Peak). The tray pocket dimensions and device pitch on the short side of the tray are modified to improve the unit placement and the stability needed during assembly until product shipment. The table below summarizes critical tray dimensions:

Items	Existing Tray	Newly Qualified Tray
Tray Manufacturer	Peak	Hwa Shu
Tray Part Number	TZ54-II-B	TZW54HS
Top Pocket Width	12.30 mm	12.03 mm
Top Pocket Length	22.80 mm	22.42 mm
Top Pocket Depth	1.76 mm	1.6 mm
Device Pitch on Short Side of Tray	14.60 mm	13.67 mm
Number of Units per Tray	108	108

No changes were made to the following attributes:

- Temperature rating
- Unit orientation in tray
- Tray material
- Color
- Stacking height
- Tray length and tray width
- JEDEC compliance

Benefit of Change:

The new Hwa Shu tray will eliminate bent leads through improvement of the tray pocket design.

Affected Part Numbers: 82

Affected Parts: Please refer to the attached 'Affected part list' file. Note that any new 54-Lead TSOP II parts that are introduced after the publication of this PCN will also be shipped with Hwa Shu trays.

Qualification Status:

The Hwa Shu tray has been qualified through a series of tests identified in the Qualification Test Plan (QTP) Report 161102. The QTP 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:

Sample trays are available upon request for evaluation. Please contact your sales representative as soon as possible, but within 30 days of the date of this PCN to obtain sample trays.

Approximate Implementation Date:

This change will be implemented 90 days from the date of this notification. Effective 90 days from the date of this notification, all shipments of the affected part numbers will be supplied with Hwa Shu trays.

Anticipated Impact:

The new tray is non-stackable with the existing tray. Therefore, it is not recommended to combine new and existing trays during processing.

Cypress also recommends that customers review these changes against their current pick and place programs and equipment parameters to assess if any minor adjustments are needed while using Hwa Shu trays.

Method of Identification:

The newly qualified tray can be identified through external visual inspection (naked eye). The tray part number is written on the side tab of the tray. Please refer to the tray drawing in the attachment.

Response Required:

This is information only notice. 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