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## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN171401

**Date:** April 11, 2017

**Subject:** Qualification of PEAK Shipping Tray for 48-Lead TSOP I Products

**To:** TOKYO ELECTRON DEVICE

**Change Type:** Minor

### Description of Change:

Cypress has qualified a new tray (supplied by PEAK) intended for 48-Lead TSOP I product shipments. The new tray will replace the current tray (supplied by Hwa Shu). This change is to standardize the Cypress and Spansion's legacy tray designs and suppliers. There are minor differences in dimensions as shown in the table below.

Items	Current Tray	New Tray
Tray Manufacturer	Hwa Shu	PEAK
Tray Part Number	TZ122010-*	31011736
Material	PPE	MPPO
Top Pocket Length	20.30 ± 0.13	20.41 ± 0.08
Top Pocket Width	12.30 ± 0.13	12.45 ± 0.08
Package Seating Height	6.12	5.62
Number of units per tray	96	96

No changes were made to the following attributes:

- Temperature rating
- Color
- Unit orientation in tray
- Pocket Position in Tray
- Pocket Pitch
- Stacking height
- Length and width
- JEDEC compliance

For more details, refer to attached old and new tray drawings

**Benefit of Change:**

This change will benefit customers to have single tray for Cypress and legacy Spansion products.

**Affected Part Numbers: 52**

**Affected Parts:** Please refer to the attached 'Affected part list' file. Note that any new 48-Lead TSOP I parts that are introduced after the publication of this PCN will also be shipped with PEAK trays.

**Qualification Status:**

This new shipping tray has been qualified through a series of tests identified in the Qualification Test Plan (QTP) 164405. The QTP report can be found as an attachment to this notification.

**Sample Status:**

Tray samples are available. Please contact your Sales Representative as soon as possible, and no later than 30 days from this notification to place any tray sample requests.

**Approximate Implementation Date:**

This change will be implemented 90 days from the date of this notification. After 90 days from the date of this notification, Cypress will transition to shipments with the new trays. During the transition period the affected part numbers will be supplied with either the current or the new trays in order to deplete current trays. One type of tray will be used per lot in a shipment.

**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 in the equipment.

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 PEAK 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:**

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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration