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PRODUCT INFORMATION NOTIFICATION

PIN: PIN145281

Date: March 17, 2014

Subject: Qualification of New Carrier Tape Supplier at Cypress Philippines

To: PCN ADMIN
CYPRESS
pcn_admin@cypress.com

Change Type: Minor

Description of Change:

Cypress Philippines has qualified Advantek and C-Pak as new suppliers for 12/16/24/32/44 mm width Carrier tape. The newly qualified carrier tapes have a modified pocket to improve unit placement and stability needed during assembly until product shipment.

Refer to the following comparison table for current and new carrier tape attributes.

| ATTRIBUTES | | CURRENT CARRIER TAPE | NEWLY QUALIFIED CARRIER TAPE | |
|-----------------------|-------|--|------------------------------|---------------|
| Carrier Tape Supplier | | PEAK | ADVANTEK | C-PAK |
| Material Thickness | | 0.30 ± 0.05mm | 0.30 ± 0.05mm | 0.30 ± 0.05mm |
| Tape Width | 12 mm | 12.0 ± 0.30mm | 12.0 ± 0.30mm | 12.0 ± 0.30mm |
| | 16 mm | 16.0 ± 0.30mm | 16.0 ± 0.30mm | 16.0 ± 0.30mm |
| | 24 mm | 24.0 ± 0.30mm | Not Available | 24.0 ± 0.30mm |
| | 32 mm | 32.0 ± 0.30mm | 32.0 ± 0.30mm | 32.0 ± 0.30mm |
| | 44 mm | 44.0 ± 0.30mm | 44.0 ± 0.30mm | Not Available |
| Sprocket Hole Pitch | | 4.00 ± 0.10mm | 4.00 ± 0.10mm | 4.00 ± 0.10mm |
| Tape Material | | Polystyrene | Polystyrene | Polystyrene |
| Pocket Width (Ao) | | Pocket designs are modified. Refer to attached 'Carrier tape comparison' and 'Carrier tape drawings' files for details | | |
| Pocket Length (Bo) | | | | |
| Pocket Depth (Ko) | | | | |

No changes were made to the following attributes:

- # Unit orientation on carrier pocket
- # Color
- # Length and width
- # Electronic Industries Alliance (EIA) compliance

Benefit of Change:

The newly qualified Advantek and C-Pak are local suppliers and provide immediate technical support and faster material delivery time.

Affected Part Numbers: 1781

Affected Parts: Please refer to the attached Affected part list file.

Qualification Status:

These changes are qualified through a series of tests detailed in Qualification Test Plan (QTP) report No. 132601. 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.

Approximate Implementation Date:

Effective with the date of this notification, Cypress will transition from Peak International to Advantek and C-Pak carrier tapes for shipments of the affected part numbers.

Anticipated Impact:

No anticipated impact. The new materials have been certified to be equivalent to the current materials from a functional and quality performance perspective.

Cypress recommends that customers take this opportunity to review these changes against their current pick & place programs and equipment parameters to assess if any minor adjustments are needed.

Method of Identification:

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

Response Required:

This is an information only announcement. 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