



Cypress Semiconductor Corporation – An Infineon Technologies Company  
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## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN204904

**Date:** December 06, 2020

**Subject:** Qualification of UBOT Tray for 100-Lead TQFP 14x14x1.4mm Products at ASE-KH Finish Site

**To:** GENERAL INBOX  
 ELEMENT14  
 ProductChangeNotices@element14.com

**Change Type:** Major

### Description of Change:

Cypress announces the qualification of UBOT tray to be used for 100-Lead TQFP 14x14x1.4mm Packages Finish processed at Advanced Semiconductor Engineering-Kaohsiung, Taiwan (ASE-KH). This tray qualified and currently in use by Cypress Manufacturing Limited, Philippines (CML).

This tray is compatible to industry standard as this tray is aligned to JEDEC requirements.

Items	Existing	New
Manufacturer	DAEWON	UBOT
Supplier Part Number	123-1414-211	UQ14141.40615XA
Tray Color	Black	Black
Temperature Rating	150°C	150°C
Number of Pockets / Units per Tray	90	90
Tray Length	315.0 ± 0.25 mm	315.0 ± 0.25 mm
Tray Width	135.9 ± 0.25 mm	135.9 ± 0.25 mm
Tray Stacking Height	6.35 ± 0.13 mm	6.35 ± 0.13 mm
1 <sup>st</sup> Pocket X-Position	15.40 ± 0.13 mm	15.40 ± 0.13 mm
1 <sup>st</sup> Pocket Y-Position	15.45 ± 0.13 mm	15.45 ± 0.13 mm
Pocket X-Pitch	20.30 ± 0.13 mm	20.30 ± 0.13 mm
Pocket Y-Pitch	21.00 ± 0.13 mm	21.00 ± 0.13 mm
Top Pocket Length	16.38 ± 0.13 mm	16.60 ± 0.13 mm
Top Pocket Width	16.38 ± 0.13 mm	16.60 ± 0.13 mm
Pocket Depth	2.25 ± 0.13 mm	2.60 ± 0.13 mm

### Benefit of Change:

The qualification of the UBOT tray for 100-Lead TQFP 14x14x1.4mm at ASE-KH Finish site will align ASE-KH to CML and standardize the tray for this package.

**Part Numbers Affected: 91**

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:**

This change has been qualified through a series of tests documented in the Qualification Test Plan QTP#202602. This qualification report can be found as an attachment to this PCN or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

**Sample Status:**

Qualification samples may not be built ahead of time for all part numbers affected by this change. Please review the attached 'Affected Parts List' file for a list of affected part numbers with their associated ASE-KH sample ordering part numbers. Samples are available now unless there is an indication that the sample ordering part numbers are subject to lead times. If you require qualification samples, please contact your local Cypress sales representative as soon as possible, preferably 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 Commercial, Industrial and Automotive non-PPAP part numbers in the attached file from ASE-KH will use UBOT trays.

For Automotive PPAP part numbers this change will be effective upon customer approval.

**Anticipated Impact:**

Products assembled with the UBOT tray are completely compatible with existing products from form, fit, functional, parametric and quality performance perspectives.

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:**

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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration