



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

PRODUCT INFORMATION NOTIFICATION

PIN: PIN195002

Date: December 12, 2019

Subject: Qualification of Kostat Tray in Cypress Thailand for 16-Lead SOIC Package

To: GENERAL INBOX
PREMIER FARNELL
ProductChangeNotices@premierfarnell.com

Change Type: Minor

Description of Change:

Cypress announces the qualification of Kostat KS-84052 tray to be used as in-process and shipping tray for 16-Lead SOIC package finished at Cypress Thailand (Cypress Semiconductor Thailand (Limited), 229 Moo 4 Chaeng Watthana Road, Pak Kret, Nonthaburi, 11120 Thailand). The Kostat tray is the same as the current tray with regards to critical dimensions that may affect application. It is also designed to be stackable with the current tray.

| Description | Current Tray | New Tray | Remarks |
|-------------------------------------|-----------------|-----------------|---------|
| Supplier | Daewon | Kostat | |
| Part Number | 12J-16LD-319 | KS-84052 | |
| Overall Tray Length | 322.6 ± 0.25 mm | 322.6 ± 0.25 mm | Same |
| Tray Length (Exclude End Tab) | 315.0 ± 0.25 mm | 315.0 ± 0.25 mm | Same |
| Tray Width | 135.9 ± 0.25 mm | 135.9 ± 0.25 mm | Same |
| Overall Tray Height | 7.62 ± 0.13 mm | 7.62 ± 0.13 mm | Same |
| Stacking Height | 6.35 ± 0.13 mm | 6.35 ± 0.13 mm | Same |
| 1 st Pocket Position (X) | 9.15 ± 0.13 mm | 9.15 ± 0.13 mm | Same |
| 1 st Pocket Position (Y) | 9.00 ± 0.13 mm | 9.00 ± 0.13 mm | Same |
| Pocket Pitch (X) | 12.90 ± 0.13 mm | 12.90 ± 0.13 mm | Same |
| Pocket Pitch (Y) | 13.10 ± 0.13 mm | 13.10 ± 0.13 mm | Same |
| Top Pocket Length | 10.35 ± 0.08 mm | 10.35 ± 0.08 mm | Same |
| Top Pocket Width | 11.00 ± 0.13 mm | 11.00 ± 0.13 mm | Same |
| Top Pocket Pedestal Width | 7.40 ± 0.08 mm | 7.40 ± 0.08 mm | Same |
| Bottom Pocket Length | 10.35 ± 0.08 mm | 10.35 ± 0.08 mm | Same |
| Bottom Pocket Width | 7.40 ± 0.08 mm | 7.40 ± 0.08 mm | Same |
| Pocket Depth | 2.40 ± 0.10 mm | 2.40 ± 0.10 mm | Same |
| Number of Pockets | 10 X 24 = 240 | 10 X 24 = 240 | Same |
| Tray Color | Black | Black | Same |
| Tray Working Temperature | 150°C Max | 150°C Max | Same |
| Tray Design | JEDEC | JEDEC | Same |

There are no changes to ordering part numbers. Product datasheets remain the same and can be downloaded from the Cypress Website (www.cypress.com).

Benefit of Change:

This change is part of Cypress' continuous improvement to enable an alternative tray source for 16-Lead SOIC package and eliminate any future tray delivery issue.

Part Numbers Affected: 171



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 PIN will include all changes outlined in this PIN.

Qualification Status:

This change has been qualified through a series of tests documented in the Qualification Test Plan QTP#193906. This qualification report can be found as an attachment to this PCN or by visiting www.cypress.com and typing the QTP number in the keyword search window.

Approximate Implementation Date:

This change will be effective with the date of this notification. Existing tray will be depleted before the implementation of the new tray. During the transition period, the affected part numbers will be supplied with either the current tray or new tray. No tray mixing will be allowed in one lot.

Anticipated Impact:

Products shipped with the new tray are completely compatible with existing product 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:

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