



Cypress Semiconductor Corporation – An Infineon Technologies Company
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PRODUCT CHANGE NOTIFICATION

PCN: PCN204202

Date: December 06, 2020

Subject: Qualification of Greatek Electronic as an Alternate Assembly Site for Select 8-Lead SOIC Package for FRAM Products

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

Change Type: Major

Description of Change:

Cypress announces the qualification of Greatek Electronics Inc., Taiwan located at No. 136, Gong-Yi Rd., Zhunan Township, Miaoli County 350, Taiwan as an alternate assembly site for select 8-Lead SOIC package for FRAM products.

These products are currently processed at United Test and Assembly Center Limited (UTL), Cypress' subcontractor in Thailand.

Greatek is certified by international quality and safety standards, namely, ISO 9001, IATF 16949, ISO 14001, and ISO 26262. These certificates, along with their Sony Green Partnership certificate, can be viewed on their corporate web site: <http://www.greatek.com.tw/>

BOM Comparison:

The SOIC 8-Lead package will be assembled at Greatek using an industry standard set of Bill of Materials (BOM). Please see the table below for a comparison of BOM between Greatek and UTL:

Material	Greatek BOM	UTL BOM
Lead frame type	Cu Leadframe	Cu Leadframe
Die Attach	Hitachi EN-4900GC	Henkel 8600/8200T
Leadfinish	Pure Sn	Pure Sn
Mold Compound	Sumitomo EME-G700HA	Sumitomo G600
Bond Wire	0.8 mil CuPdAu wire	0.8 mil CuPd wire

Benefit of Change:

Qualification of alternative manufacturing sites is part of the ongoing flexible manufacturing initiative announced by Cypress. The goal of the flexible manufacturing initiative is to provide the means for Cypress to continue to meet delivery commitments through dynamic, changing market conditions.

Part Numbers Affected: 98

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts introduced after the publication of this PCN will be assembled at Greatek.

Qualification Status:

Greatek has been qualified through a series of tests documented in the Qualification Test Plan QTP#193905. 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.

Sample Status:

Samples are available now, unless there is an indication that the sample ordering part numbers are subject to lead times. 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 Greatek sample ordering part numbers.

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 notification.

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 will be assembled at Greatek or other approved assembly sites.

Anticipated Impact:

Products assembled at Greatek 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 this change against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

Method of Identification:

Cypress also 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.

Sincerely,

Cypress PCN Administration