



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN195101

Date: December 17, 2019

Subject: Qualification of Greatek Electronics as an Additional Assembly Site for Select 8-Lead SOIC 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., (No.136, Gon-Yi Rd. Zhunan Township, Miaoli County 350 Taiwan, R.O.C.) as a new assembly site for select 8-Lead SOIC 208mils (5.28x5.28x2.16mm) and 150mils (3.90x4.90x1.75mm) products. Greatek Electronics is a world-class assembly facility, qualified to build standard and automotive grade products consistent with AEC-Q100/AEC-Q006 standards.

The 8-Lead SOIC Pb-Free (5.28x5.28mm, 208mils body) package is assembled at Greatek Electronics using the following bill of materials:

Material	GREATEK Bill of Materials	ZKT Bill of Materials
Mold Compound	SUMITOMO G700SLA	Samsung SG8300HKT/SG8500HKT
Leadfinish	Jau Janq Matte Sn	Yunan, Matte Sn
Die Attach Material	Hitachi-4900GC	Yizbond 8511
Bond Wire	Nippon 0.8mil PdCuAu	Nippon 0.8mil PdCuAu

The 8-Lead SOIC Pb-Free (3.90x4.90mm, 150mils body) package is assembled at Greatek Electronics using the following bill of materials:

Material	GREATEK Bill of Materials	ZKT Bill of Materials
Mold Compound	SUMITOMO G700HA	Samsung SG8300HKT
Leadfinish	Jau Janq Matte Sn	Yunan, Matte Sn
Die Attach Material	Hitachi-4900GC	Yizbond 8511
Bond Wire	MKE 0.9mil Au	Tanaka 0.9mil Au

Benefit of Change:

Qualification of alternate 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: 100

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 assembly site has been qualified through a series of tests documented in Qualification Test Plans QTP#191602 and QTP#191508. These qualification reports can be found as attachments to this PCN or by visiting 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 Greatek Electronics 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 will be assembled at Greatek Electronics or other approved assembly sites.

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

Anticipated Impact:

Products assembled at the new site 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.

Sincerely,
Cypress PCN Administration