



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

PCN: PCN191204

Date: March 18, 2019

Subject: Qualification of Greatek Electronics Inc. as an Additional Assembly Site for Select 28-Lead QFN and 48-Lead LQFP HX2VL Products

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 an additional assembly site for select 28-Lead QFN (5x5x0.8mm) and 48-Lead LQFP (7x7x1.4mm) HX2VL products.

The 28-Lead QFN (5x5x0.8mm) and 48-Lead LQFP (7x7x1.4mm) packages are assembled at Greatek Electronics Inc. using the following Bill of Materials:

Material	Greatek Electronics Inc. Bill of Materials		TICP Bill of Materials	
Package	28-Lead QFN	48-Lead LQFP	28-Lead QFN	48-Lead LQFP
Mold Compound	Sumitomo EME-G700H	Sumitomo EME-G700H	Hitachi CEL-9220HF	Sumitomo EME-G700L
Leadframe	Shinko CDA194PPF+ NiPdAu plating	Mitsui C7025+Ag plating	DCI C194+ CDA194+ NiPdAu plating	Fusheng C7025 with Ag plating
Die Attach Material	Sumitomo CRM-1076DJ-G	Henkel 8352L	Hitachi EN4900GC	Sumitomo CRM-1710A
Bond Wire	0.8 mil Au	0.8 mil Au	0.8 mil Au	0.8 mil 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: 12

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 the Qualification Test Plan QTP#184508. 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:

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 Inc. 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 Inc. or other approved assembly sites.

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

Item Marketing Part Number

- 1 CY7C65632-28LTXC
- 2 CY7C65632-28LTXCT
- 3 CY7C65632-48AXC
- 4 CY7C65632-48AXCT
- 5 CY7C65634-28LTXC
- 6 CY7C65634-28LTXCT
- 7 CY7C65634-48AXC
- 8 CY7C65634-48AXCT
- 9 CY7C65642-28LTXC
- 10 CY7C65642-28LTXCT
- 11 CY7C65642-48AXC
- 12 CY7C65642-48AXCT