



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

**PCN:** PCN204903

**Date:** December 01, 2020

**Subject:** Qualification of Greatek Electronic as an Additional Assembly Site for Select 24-Lead QFN Pb-Free Products

**Change Type:** Major

**Description of Change:**

Cypress announces the qualification of Greatek Electronics Inc. (Greatek, No. 136, Gong-Yi Rd., Zhunan Township, Miaoli County 350, Taiwan.) as an additional assembly site for select 24-Lead QFN Pb-Free products.

The 24-Lead QFN Pb-Free package are assembled at Greatek using the following Bill of Materials (BOM):

Material	Greatek BOM (new)	CML BOM (current)	ASE-KH BOM (current)	UTL BOM (current)
Mold Compound	Sumitomo EME-G700H	Nitto GE-7470LA Kyocera KE-G3000N-AS	Sumitomo EME-G631H EME-G700LA	Sumitomo G770HCD
Leadframe	Cu Alloy	Cu Alloy	Cu Alloy	Cu Alloy
Lead finish	Pure Sn	NiPdAu	NiPdAu Pure Sn	NiPdAuAg
Die Attach Material	Nitto EM-430J1	Henkel QMI-519 Sumitomo CRM1577-E	Hitachi EN-4900F FH-900	Henkel 8200T
Bond Wire	0.8 mil CuPdAu	0.8mil Au 0.8 mil CuPdAu	0.8mil Au 0.8 mil Cu 0.8 mil CuPd	0.8mil CuPd

**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: 22**

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#202033003. 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 Greatek 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 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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration

**Item Marketing Part Number**

- 1 CY8C20336A-24LQXI
- 2 CY8C20336A-24LQXIT
- 3 CY8C20337-24LQXI
- 4 CY8C20337-24LQXIT
- 5 CY8C20346A-24LQXI
- 6 CY8C20346A-24LQXIT
- 7 CY8C20347S-24LQXI
- 8 CY8C20347S-24LQXIT
- 9 CY8C20396A-24LQXI
- 10 CY8C20396A-24LQXIT
- 11 CY8C4014LQI-412
- 12 CY8C4014LQI-412T
- 13 CY8C4014LQI-422
- 14 CY8C4014LQI-422T
- 15 CY8CMBR3106S-LQXI
- 16 CY8CMBR3106S-LQXIT
- 17 CY8CMBR3116-LQXI
- 18 CY8CMBR3116-LQXIT
- 19 CG8360AM
- 20 CG8360AMT
- 21 CP8363AT
- 22 CP8363ATT