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PRODUCT CHANGE NOTIFICATION

PCN: PCN203103A

Date: September 17, 2020

Subject: Addendum to PCN 203103 - Transfer of Assembly Operations to Greatek Electronics Inc. for Select SOIC, SSOP and SOJ Packages

To: PCN Coordinator PCN Coordinator
FUTURE
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Change Type: Major

Description of Change:

The purpose of this addendum is to update JCET's BOM information as listed in BOM table below. There is no change to Greatek BOM and affected parts list.

Cypress announced 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 Memory and USB products offered in 32-Lead SOIC (450mil), 56-Lead SSOP (300mil) and 44-Lead SOJ (400mil), 36-Lead SOJ (400mil), 32-Lead SOJ (400mil), 32-Lead SOJ (300mil), 28-Lead SOJ (300mil) packages.

These products are currently processed at Jiangsu Changjiang Electronics Technology Co., Ltd (JCET), Cypress' subcontractor in China. The transfer of assembly operations to Greatek is motivated by JCET's phasing out (i.e., End-Of-Life) of SOIC, SSOP and SOJ manufacturing operations, as previously announced in advance PCN (APCN 201001 and APCN 201002).

Given the imminent phase out of operations at JCET, and the dynamically changing market conditions, Cypress is pleased to offer supply of changed material (i.e., Greatek assembled product) ahead of the implementation date. Customers are strongly encouraged to avail of this option, where production volumes of Greatek assembled product can be secured and shipped against current orders. Please contact your Cypress Sales Representative for more information on availing this option.

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, SSOP and SOJ packages will be assembled at Greatek using an industry standard set of Bill of Materials (BOM). Please see table below for a comparison of BOM between Greatek and JCET.

- a) The 32-Lead SOIC package is assembled at Greatek using the following Bill of Materials (BOM):

For Automotive product:

Material	Greatek BOM	JCET BOM
Leadframe Type	Cu Leadframe	PPF Leadframe
Leadfinish	Pure Sn	NiPdAu
Die Attach Material	Hitachi EN-4900GC	Henkel QMI-509
Wire type	1.0 mil Au wire	1.0 mil Au wire
Mold Compound	Sumitomo EME-G700SLA	Kyocera KE-G6000DA-CY

For Non-Automotive product:

Material	Greatek BOM	JCET BOM
Leadframe Type	Cu Leadframe	PPF/ Cu Leadframe
Leadfinish	Pure Sn	NiPdAu/Pure Sn
Die Attach Material	Hitachi EN-4900GC	Henkel QMI-509
Wire type	0.8 mil CuPdAu wire	0.9mil Au wire / 0.8mil CuPd wire
Mold Compound	Sumitomo EME-G700SLA	Kyocera KE-G6000DA-CY/ Sumitomo EME-G620B / Sumitomo EME-G631SH-Q

- b) The 56-Lead SSOP package is assembled at Greatek using the following Bill of Materials (BOM):

Material	Greatek Taiwan BOM	JCET China BOM
Leadframe Type	Cu Leadframe	PPF/Cu Leadframe
Leadfinish	Pure Sn	NiPdAu/Pure Sn
Die Attach Material	Hitachi EN-4900GC	Henkel QMI-509
Wire type	0.8 mil CuPdAu wire	0.9mil Au wire/ 0.8mil CuPd wire
Mold Compound	Sumitomo EME-G700H	Kyocera KE-G3000DA-CY/ Sumitomo EME G620B

- c) The SOJ packages are assembled at Greatek using the following Bill of Materials (BOM):

Material	Greatek BOM	JCET BOM
Leadframe Type	Cu Leadframe	PPF/Cu Leadframe
Leadfinish	Pure Sn	NiPdAu/Pure Sn
Die Attach Material	Hitachi EN-4900GC	Henkel QMI-509
Wire type	0.8 mil CuPdAu wire	0.9mil Au wire/ 0.8mil CuPd wire
Mold Compound	Sumitomo EME-G700SLA	Sumitomo EME-G620B/ Sumitomo EME-G631SH-Q/ Kyocera KE- G6000DA-CY

Benefit of Change:

Qualification of alternative manufacturing sites provides the means for Cypress to ensure business continuity on the stated products, and thereby meet long-term market demand and delivery commitments to customers after the phase out of operations at JCET.

Part Numbers Affected: 69

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 Plans summarized in the table below. 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.

QTP Number	Qualification Purpose
201304	SOIC 32L Package Qual at Greatek Taiwan
201104	SOIC 32L Package Qual at Greatek Taiwan
200404	SSOP 56L Package Qual at Greatek Taiwan
201301	SOJ Package Qual at Greatek Taiwan

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 immediately upon customer approval, or 90 days from the date of this notification, whichever comes first, shipments on part numbers in the attached file will be primarily sourced from Greatek. Customers should expect to receive JCET assembled product for a transitional period, until inventory is depleted. For Automotive PPAP part numbers this change will be effective upon customer approval.

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

Item	Marketing Part Number	Family	Sample Order Part Number	Sample Availability
1	CY62128ELL-45SXA	ASync	CY62128ELL-45SXAKT	Available
2	CY62128ELL-45SXAT	ASync	CY62128ELL-45SXAKT	Available
3	CY62128ELL-45SXI	ASync	CY62128ELL-45SXIKT	Available
4	CY62128ELL-45SXIT	ASync	CY62128ELL-45SXIKT	Available
5	CY62128ELL-55SXE	ASync	CY62128ELL-55SXEKT	Subject to lead time
6	CY62128ELL-55SXET	ASync	CY62128ELL-55SXEKT	Subject to lead time
7	CY62128EV30LL-45SXA	ASync	CY62128EV30LL-45SXAKT	Subject to lead time
8	CY62128EV30LL-45SXAT	ASync	CY62128EV30LL-45SXAKT	Subject to lead time
9	CY62128EV30LL-45SXI	ASync	CY62128EV30LL-45SXIKT	Available
10	CY62128EV30LL-45SXIT	ASync	CY62128EV30LL-45SXIKT	Available
11	CY7C1009D-10VXI	ASync	CY7C1009D-10VXIKT	Available
12	CY7C1009D-10VXIT	ASync	CY7C1009D-10VXIKT	Available
13	CY7C1010DV33-10VXI	ASync	CY7C1010DV33-10VXIKT	Subject to lead time
14	CY7C1010DV33-10VXIT	ASync	CY7C1010DV33-10VXIKT	Subject to lead time
15	CY7C1018DV33-10VXI	ASync	CY7C1018DV33-10VXIKT	Available
16	CY7C1018DV33-10VXIT	ASync	CY7C1018DV33-10VXIKT	Available
17	CY7C1019D-10VXI	ASync	CY7C1019D-10VXIKT	Subject to lead time
18	CY7C1019D-10VXIT	ASync	CY7C1019D-10VXIKT	Subject to lead time
19	CY7C1019DV33-10VXI	ASync	CY7C1019DV33-10VXIKT	Subject to lead time
20	CY7C1019DV33-10VXIT	ASync	CY7C1019DV33-10VXIKT	Subject to lead time
21	CY7C1020D-10VXI	ASync	CY7C1020D-10VXIKT	Subject to lead time
22	CY7C1020D-10VXIT	ASync	CY7C1020D-10VXIKT	Subject to lead time
23	CY7C1021D-10VXI	ASync	CY7C1021D-10VXIKT	Available
24	CY7C1021D-10VXIT	ASync	CY7C1021D-10VXIKT	Available
25	CY7C1021DV33-10VXI	ASync	CY7C1021DV33-10VXIKT	Available
26	CY7C1021DV33-10VXIT	ASync	CY7C1021DV33-10VXIKT	Available
27	CY7C1041G-10VXI	ASync	CY7C1041G-10VXIKT	Available
28	CY7C1041G-10VXIT	ASync	CY7C1041G-10VXIKT	Available
29	CY7C1041G18-15VXI	ASync	CY7C1041G18-15VXIKT	Subject to lead time
30	CY7C1041G18-15VXIT	ASync	CY7C1041G18-15VXIKT	Subject to lead time
31	CY7C1041G30-10VXI	ASync	CY7C1041G30-10VXIKT	Subject to lead time
32	CY7C1041G30-10VXIT	ASync	CY7C1041G30-10VXIKT	Subject to lead time
33	CY7C1041GE-10VXI	ASync	CY7C1041GE-10VXIKT	Subject to lead time
34	CY7C1041GE-10VXIT	ASync	CY7C1041GE-10VXIKT	Subject to lead time
35	CY7C1041GE30-10VXI	ASync	CY7C1041GE30-10VXIKT	Subject to lead time
36	CY7C1041GE30-10VXIT	ASync	CY7C1041GE30-10VXIKT	Subject to lead time
37	CY7C1041GN-10VXI	ASync	CY7C1041GN-10VXIKT	Subject to lead time
38	CY7C1041GN-10VXIT	ASync	CY7C1041GN-10VXIKT	Subject to lead time
39	CY7C1041GN30-10VXI	ASync	CY7C1041GN30-10VXIKT	Subject to lead time
40	CY7C1041GN30-10VXIT	ASync	CY7C1041GN30-10VXIKT	Subject to lead time
41	CY7C1049G-10VXI	ASync	CY7C1049G-10VXIKT	Subject to lead time
42	CY7C1049G-10VXIT	ASync	CY7C1049G-10VXIKT	Subject to lead time
43	CY7C1049G30-10VXI	ASync	CY7C1049G30-10VXIKT	Subject to lead time
44	CY7C1049G30-10VXIT	ASync	CY7C1049G30-10VXIKT	Subject to lead time
45	CY7C1049GN-10VXI	ASync	CY7C1049GN-10VXIKT	Available
46	CY7C1049GN-10VXIT	ASync	CY7C1049GN-10VXIKT	Available

47	CY7C1049GN30-10VXI	ASync	CY7C1049GN30-10VXIkt	Available
48	CY7C1049GN30-10VXIT	ASync	CY7C1049GN30-10VXIkt	Available
49	CY7C109D-10VXI	ASync	CY7C109D-10VXIkt	Subject to lead time
50	CY7C109D-10VXIT	ASync	CY7C109D-10VXIkt	Subject to lead time
51	CY7C1399BN-12VXI	ASync	CY7C1399BN-12VXIkt	Subject to lead time
52	CY7C1399BN-12VXIT	ASync	CY7C1399BN-12VXIkt	Subject to lead time
53	CY7C199D-10VXI	ASync	CY7C199D-10VXIkt	Subject to lead time
54	CY7C199D-10VXIT	ASync	CY7C199D-10VXIkt	Subject to lead time
55	CY7C64713-56PVXC	HSLs_USB	CY7C64713-56PVXCKT	Subject to lead time
56	CY7C64713-56PVXCT	HSLs_USB	CY7C64713-56PVXCKT	Subject to lead time
57	CY7C68013A-56PVXC	HSLs_USB	CY7C68013A-56PVXCKT	Subject to lead time
58	CY7C68013A-56PVXCT	HSLs_USB	CY7C68013A-56PVXCKT	Subject to lead time
59	CY7C68013A-56PVXI	HSLs_USB	CY7C68013A-56PVXIkt	Available
60	CY7C68014A-56PVXC	HSLs_USB	CY7C68014A-56PVXCKT	Subject to lead time
61	CY7C68300C-56PVXC	HSLs_USB	CY7C68300C-56PVXCKT	Subject to lead time
62	CY7C68300C-56PVXCT	HSLs_USB	CY7C68300C-56PVXCKT	Subject to lead time
63	CY7S1041G30-10VXI	ASync	CY7S1041G30-10VXIkt	Subject to lead time
64	CY7S1041G30-10VXIT	ASync	CY7S1041G30-10VXIkt	Subject to lead time
65	CY7S1049G30-10VXI	ASync	CY7S1049G30-10VXIkt	Subject to lead time
66	CY7S1049G30-10VXIT	ASync	CY7S1049G30-10VXIkt	Subject to lead time
67	CY7S1049GE30-10VXI	ASync	CY7S1049GE30-10VXIkt	Subject to lead time
68	CY7S1049GE30-10VXIT	ASync	CY7S1049GE30-10VXIkt	Subject to lead time
69	CG8265AA	ASync	CG8265WA	Subject to lead time