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PRODUCT CHANGE NOTIFICATION

PCN: PCN181107

Date: March 18, 2018

Subject: Qualification of Orient Semiconductor Electronics (OSE-Taiwan) as an Additional Assembly Site for Select Pb-Free Products

Change Type: Major

Description of Change:

Cypress announces the qualification of OSE Taiwan as an additional assembly site for select commercial and industrial grade products. These products are RoHS and REACH compliant. These products are assembled in the following package configurations.

The 28-Lead TSOP I (8x13.4x1.2mm) Pb-Free packages are assembled at OSE Taiwan using the following Bill of Materials:

Material	OSE Bill of Materials	JCET Bill of Materials
Mold Compound	Sumitomo EMEG631SH	Sumitomo G620B
Lead Frame	Pure Sn	Pure Sn
Die Attach Epoxy	Sumitomo CRM1076WA	Henkel QMI509
Bond Wire	0.8mil CuPdAu	0.8mil CuPd

The 32-Lead TSOP I (8x13.4x1.2mm) Pb-Free packages are assembled at OSE Taiwan using the following Bill of Materials:

Material	OSE Bill of Materials	JCET Bill of Materials
Mold Compound	Sumitomo EMEG631SH	Sumitomo EME-G620B
Lead Frame	Pure Sn	Pure Sn
Die Attach Epoxy	Sumitomo CRM-1076WA	Henkel QMI-509
Bond Wire	0.8mil CuPdAu	0.8mil Cu

The 48-Lead TQFP (7x7x1.4mm) Pb-Free packages are assembled at OSE Taiwan using the following Bill of Materials:

Material	OSE Bill of Materials	JCET Bill of Materials
Mold Compound	Sumitomo EME-G631	Sumitomo EME-G700Q
Lead Frame	Pure Sn	Pure Sn
Die Attach Epoxy	Sumitomo CRM-1076WA	Ablestik 8290
Bond Wire	0.8mil CuPdAu	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: 28

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:

These packages have been qualified through a series of tests documented in the Qualification Test Plans QTP#180309, QTP#174301 and QTP#175101. 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 OSE 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 the affected part numbers in the attached file will be assembled at OSE Taiwan 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	Package	Sample Order Part Number
1	CY62128ELL-45ZAXI	TSOP 32	CY62128ELL-45ZAXIKO
2	CY62128ELL-45ZAXIT	TSOP 32	CY62128ELL-45ZAXIKO
3	CY62128EV30LL-45ZAXI	TSOP 32	CY62128EV30LL-45ZAXIKO
4	CY62128EV30LL-45ZAXIT	TSOP 32	CY62128EV30LL-45ZAXIKO
5	CY62138FV30LL-45ZAXI	TSOP 32	CY62138FV30LL-45ZAXIKO
6	CY62138FV30LL-45ZAXIT	TSOP 32	CY62138FV30LL-45ZAXIKO
7	CY62256NLL-55ZXI	TSOP 28	CY62256NLL-55ZXIKO
8	CY62256NLL-55ZXIT	TSOP 28	CY62256NLL-55ZXIKO
9	CY62256VNLL-70ZXC	TSOP 28	CY62256VNLL-70ZXCKO
10	CY62256VNLL-70ZXCT	TSOP 28	CY62256VNLL-70ZXCKO
11	CY62256VNLL-70ZXI	TSOP 28	CY62256VNLL-70ZXIKO
12	CY62256VNLL-70ZXIT	TSOP 28	CY62256VNLL-70ZXIKO
13	CY7C1399BN-12ZXC	TSOP 28	CY7C1399BN-12ZXCKO; subject to lead time
14	CY7C1399BN-12ZXCT	TSOP 28	CY7C1399BN-12ZXCKO; subject to lead time
15	CY7C1399BN-15ZXI	TSOP 28	CY7C1399BN-15ZXIKO
16	CY7C1399BN-15ZXIT	TSOP 28	CY7C1399BN-15ZXIKO
17	CY7C199D-10ZXI	TSOP 28	CY7C199D-10ZXIKO
18	CY7C199D-10ZXIT	TSOP 28	CY7C199D-10ZXIKO
19	CY8C4125AZI-M433	TQFP 48	CY8C4125AZI-M433KO; subject to lead time
20	CY8C4125AZI-M443	TQFP 48	CY8C4125AZI-M443KO
21	CY8C4126AZI-M443	TQFP 48	CY8C4126AZI-M443KO; subject to lead time
22	CY8C4245AZI-M433	TQFP 48	CY8C4245AZI-M433KO; subject to lead time
23	CY8C4245AZI-M443	TQFP 48	CY8C4245AZI-M443KO; subject to lead time
24	CY8C4246AZI-M443	TQFP 48	CY8C4246AZI-M443KO
25	FM28V020-TG	TSOP 32	FM28V020-TGKO
26	FM28V020-TGTR	TSOP 32	FM28V020-TGKO
27	CG8261AA	TSOP 28	CG8261XA; subject to lead time
28	CG8261AAT	TSOP 28	CG8261XA; subject to lead time