



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN211201

**Date:** March 24, 2021

**Subject:** Qualification of Cypress Philippines as an Alternate Assembly Site for Select 32-Lead TSOP I Package Memory Products

**Change Type:** Major

### Description of Change:

Cypress announces the qualification of Cypress Manufacturing Limited, Philippines (CML) located at Gateway Business Park, Barangay Javalera, General Trias, Cavite Philippines, 4107 as an additional assembly site for select 32-Lead, TSOP I, 8x20mm, Pb-Free Memory products.

These products are currently processed at Orient Semiconductor Electronics (OSET), Cypress' subcontractor in Taiwan. The transfer of assembly operations to Cypress Manufacturing Limited is motivated by OSET's phasing out (i.e., End-Of-Life) of TSOP manufacturing operations.

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

The 32-Lead TSOP I, 8x20mm, Pb-Free package is assembled at Cypress Manufacturing Limited using the following Bill of Materials (BOM):

Material	CML BOM	OSET BOM
Mold Compound	KE-G3000DA - Kyocera	CEL-9200HFU - Hitachi
Leadframe	Cu Alloy Leadframe	Cu Alloy Leadframe
Leadfinish	NiPdAu	Pure Sn
Die Attach Material	QMI-509 - Henkel	8340 - Henkel
Bond Wire	0.8 mil CuPdAu wire	1.0 mil Au wire

### 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: 2**

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:**

Cypress Manufacturing Limited has been qualified through a series of tests documented in the Qualification Test Plan QTP # 202031001. 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 CML 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 CML 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 CY7C109D-10ZXI
- 2 CY7C109D-10ZXIT