



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN174402

Date: December 12, 2017

Subject: Qualification of NiPdAu Lead Finish for 88-Lead QFN CYUSB3312 Product

To:

Change Type: Major

Description of Change:

Cypress announces the qualification of NiPdAu leadfinish for 88-Lead QFN devices CYUSB3312-88LTXC/T and CYUSB3312-88LTXI/T. This will be in addition to the current qualification of the parts with Matte Sn lead finish. This qualification is part of the flexible manufacturing initiatives which allow Cypress to meet its delivery commitments in dynamic and changing market conditions.

CYUSB3312-88LTXC/T and CYUSB3312-88LTXI/T will use the following Bill of Materials (BOM):

Material	Current BOM	Additional BOM for Qualification
Mold Compound	Sumitomo G770HCD	Sumitomo G770HCD
Lead Finish	Matte Sn	NiPdAu
Die Attach Epoxy	Henkel 8600	Henkel 8600
Bond Wire	0.8 mil CuPd	0.8 mil CuPd

There are no changes to ordering part numbers. Product datasheets remain the same and can be downloaded from Cypress website (www.cypress.com).

Benefit of Change:

Cypress will have the added capability to meet market demand with any of the above type of lead finishes.

Part Numbers Affected: 4

See the attached 'Affected Parts List' file for the part numbers affected by this change.

Qualification Status:

The changes listed in this PCN have been qualified through a series of tests documented in the Qualification Test Plan (QTP) report 154702. The qualification report can be found as attachments to this notification or by visiting www.cypress.com and typing the QTP number in the keyword search window.

Sample Status:

Qualification samples are built ahead of time for the part numbers affected by this change. Please review the attached file for the affected part numbers with their associated sample ordering part numbers. The same sample ordering part number will be available for all marketing part numbers covered by this PCN. Please contact your Sales Representative as soon as possible, but 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 supplied with any of the lead finishes.

Anticipated Impact:

Products manufactured with NiPdAu lead finish are completely compatible with existing products from a functional, parametric, and quality performance perspective.

Cypress 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:

There will be no changes to the part number. Cypress maintains traceability of product to wafer level, including wafer fabrication location and assembly location through the lot number marked on the package. There will be no changes to the ordering codes or marking on production material after the change implementation date.

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	CYUSB3312-88LTXC	88-pin QFN	CYUSB3312-88LTXCKU
2	CYUSB3312-88LTXCT	88-pin QFN	CYUSB3312-88LTXCKU
3	CYUSB3312-88LTXI	88-pin QFN	CYUSB3312-88LTXCKU
4	CYUSB3312-88LTXIT	88-pin QFN	CYUSB3312-88LTXCKU