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PRODUCT CHANGE NOTIFICATION

PCN: PCN145318

Date: June 17, 2014

Subject: Qualification of Copper Palladium Wire Bonds for True Touch (Gen 4) Products

To: PCN ADMIN
CYPRESS
pcn_admin@cypress.com

Change Type: Major

Description of Change:

Cypress announces the qualification of copper palladium wire bonds for select Gen 4 TrueTouch products at Cypress Philippines and ASE Taiwan assembly sites using the Bill of Materials in the table below. There will be no changes to product datasheets or part numbers.

Bill of Material (48-Lead QFN-0.6 mm Package)				
Wire Bond	Gold Wire Bonds		Copper Palladium Wire Bonds	
Assembly Site	CY Philippines	ASE Taiwan	CY Philippines	ASE Taiwan
Mold Compound	Nitto GE7470	Sumitomo G631	Nitto GE7470	Sumitomo G700
Die Attach Epoxy	Henkel QMI519	Hitachi EN-4900	Henkel QMI519	Hitachi FH900
Bond Wire	0.8 mil Au	0.8 mil Au	0.8 mil CuPd	0.8 mil CuPd
Lead Finish	NiPdAu	NiPdAu	NiPdAu	Pure Sn

Benefit of Change:

The conversion to copper palladium wire bonds will keep Cypress in alignment with the overall industry trend towards copper palladium wire bonds. This also provides the means for Cypress to continue to meet customers' varied packaging needs as well as delivery commitments in dynamic, changing market conditions.

Affected Part Numbers: 20

Affected Parts: See the attached Affected Part List file for all part numbers affected by this change. Note that any new lead frame parts in 48-Lead QFN packages that are introduced after the publication of this PCN will also be manufactured with either copper palladium or gold wire bonds.

Qualification Status:

Copper Palladium wire bonds have been qualified through a series of tests documented in the Qualification Test Plan (QTP) reports indicated in the table below. Qualification reports 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 not built ahead of time for all part numbers affect by this change. Please review the attached file for a list of affected part numbers with their associated sample ordering part numbers. Sample requests for products without sample order part numbers are not built ahead of time, will be built to order and subject to standard lead times. 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 either copper palladium wire bonds or gold wire bonds.

Anticipated Impact:

Products manufactured with copper palladium wire bonds are completely compatible with existing product 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. A "C" will be added to the package marking to designate copper palladium wire bonds. 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	Cypress Philippines Sample Order Part Number
1	CY8CTMA400-48LQI	Available to order; subject to leadtime
2	CY8CTMA441-48LQI	Available to order; subject to leadtime
3	CY8CTMA441-48LQIT	Available to order; subject to leadtime
4	CY8CTMA461-48LQI	CY8CTMA461-48LQIKA
5	CY8CTMA461-48LQIT	CY8CTMA461-48LQIKA
6	CY8CTMA463-48LQI	CY8CTMA463-48LQIKA
7	CY8CTMA463-48LQIT	CY8CTMA463-48LQIKA
8	CG7539AM	CG7539KAA
9	CG7539AMT	CG7539KAA
10	CG7575AM	Available to order; subject to leadtime
11	CG7575AMT	Available to order; subject to leadtime
12	CG7683AM	CG7683KAA
13	CG7688AA	Available to order; subject to leadtime
14	CG7688AAT	Available to order; subject to leadtime
15	CP7770AT	Available to order; subject to leadtime
16	CP7770ATT	Available to order; subject to leadtime
17	CP7771AT	Available to order; subject to leadtime
18	CP7771ATT	Available to order; subject to leadtime
19	CP7771BT	CP7771KAA
20	CP7771BTT	CP7771KAA

ASE Taiwan Sample Order Part Number
Available to order; subject to leadtime
Available to order; subject to leadtime
Available to order; subject to leadtime
CY8CTMA461-48LQIKG
CY8CTMA461-48LQIKG
CY8CTMA463-48LQIKG
CY8CTMA463-48LQIKG
CG7539KGA
CG7539KGA
Available to order; subject to leadtime
Available to order; subject to leadtime
CG7683KGA
Available to order; subject to leadtime
Available to order; subject to leadtime
Available to order; subject to leadtime
Available to order; subject to leadtime
Available to order; subject to leadtime
Available to order; subject to leadtime
CP7771KGA
CP7771KGA