

PRODUCT CHANGE NOTIFICATION

PCN: PCN135216

Date: June 10, 2013

Subject: Product Replacement Notice for all PSoC 5 Devices (devices with JTAG ID beginning with 0x0E).

To: PCN ADMIN
CYPRESS
pcn_adm@cypress.com

Change Type: Minor

Description of Change:

Cypress announces the replacement of all PSoC 5 devices with PSoC 5LP devices starting January 1, 2014. The PSoC 5 devices include 52 part numbers, with a JTAG ID beginning with 0x0E. The PSoC 5LP devices have a JTAG ID beginning with 0x2E.

Each of the affected PSoC 5 devices has been replaced by a functional, drop-in replacement from the PSoC 5LP product family. A drop-in replacement is defined as a product that is pin-for-pin, function, and feature-compatible with the replaced product.

All customers are being requested to migrate to the PSoC 5LP product family. Migration from the PSoC 5 to PSoC 5LP devices requires a rebuild of the PSoC Creator software project. For detailed instructions on migration to PSoC 5LP devices, go to www.cypress.com/go/psoc5migration.

PSoC 5LP product family is a low power ARM® Cortex™-M3 based programmable system on chip device architecture offering unmatched high-precision analog and the flexibility to design custom single-chip solutions. All devices within the PSoC 5LP product family are fully qualified, in-production, and are readily available for sampling.

In addition, Last Time Buy (LTB) and Last Time Ship (LTS) dates are provided for each affected PSoC 5 part number. The LTB date denotes the last day on which orders will be accepted; these orders may be scheduled for shipment through the LTS date provided.

Benefits of the Change:

The PSoC 5LP product family offers customers enhanced performance, higher quality, and significantly improved low-power operation compared to the PSoC 5 devices (devices with JTAG ID beginning with 0x0E), at a lower cost.

Part Numbers Affected:

Affected Parts: 52

Note: The first 26 affected devices listed in the table below are the core part numbers; parts 27 through 52 are the tape-and-reel versions of the core part.

#	Affected Marketing Parts	Drop-In Replacement Part	Last Time Buy Date (LTB)	Last Time Ship Date (LTS)
1	CY8C5246AXI-054	CY8C5267AXI-LP051	1 st January 2014	30 th July 2014
2	CY8C5246LTI-029	CY8C5267LTI-LP089	1 st January 2014	30 th July 2014

3	CY8C5247AXI-051	CY8C5267AXI-LP051	1st January 2014	30th July 2014
4	CY8C5247LTI-089	CY8C5267LTI-LP089	1st January 2014	30th July 2014
5	CY8C5248AXI-047	CY8C5268AXI-LP047	1st January 2014	30th July 2014
6	CY8C5248LTI-030	CY8C5268LTI-LP030	1st January 2014	30th July 2014
7	CY8C5365AXI-043	CY8C5467AXI-LP108	1st January 2014	30th July 2014
8	CY8C5365LTI-104	CY8C5467LTI-LP003	1st January 2014	30th July 2014
9	CY8C5366AXI-001	CY8C5467AXI-LP108	1st January 2014	30th July 2014
10	CY8C5366LTI-053	CY8C5467LTI-LP003	1st January 2014	30th July 2014
11	CY8C5367AXI-108	CY8C5467AXI-LP108	1st January 2014	30th July 2014
12	CY8C5367LTI-003	CY8C5467LTI-LP003	1st January 2014	30th July 2014
13	CY8C5368AXI-106	CY8C5468AXI-LP106	1st January 2014	30th July 2014
14	CY8C5368LTI-026	CY8C5468LTI-LP026	1st January 2014	30th July 2014
15	CY8C5466AXI-064	CY8C5666AXI-LP004	1st January 2014	30th July 2014
16	CY8C5466LTI-063	CY8C5666LTI-LP005	1st January 2014	30th July 2014
17	CY8C5467AXI-011	CY8C5667AXI-LP006	1st January 2014	30th July 2014
18	CY8C5467LTI-007	CY8C5668LTI-LP014	1st January 2014	30th July 2014
19	CY8C5468AXI-018	CY8C5668AXI-LP010	1st January 2014	30th July 2014
20	CY8C5468LTI-037	CY8C5668LTI-LP014	1st January 2014	30th July 2014
21	CY8C5566AXI-061	CY8C5866AXI-LP021	1st January 2014	30th July 2014
22	CY8C5566LTI-017	CY8C5866LTI-LP022	1st January 2014	30th July 2014
23	CY8C5567AXI-019	CY8C5867AXI-LP024	1st January 2014	30th July 2014
24	CY8C5567LTI-079	CY8C5867LTI-LP028	1st January 2014	30th July 2014
25	CY8C5568AXI-060	CY8C5868AXI-LP032	1st January 2014	30th July 2014
26	CY8C5568LTI-114	CY8C5868LTI-LP038	1st January 2014	30th July 2014
27	CY8C5246AXI-054T	CY8C5267AXI-LP051	1st January 2014	30th July 2014
28	CY8C5246LTI-029T	CY8C5267LTI-LP089	1st January 2014	30th July 2014
29	CY8C5247AXI-051T	CY8C5267AXI-LP051	1st January 2014	30th July 2014
30	CY8C5247LTI-089T	CY8C5267LTI-LP089	1st January 2014	30th July 2014
31	CY8C5248AXI-047T	CY8C5268AXI-LP047	1st January 2014	30th July 2014
32	CY8C5248LTI-030T	CY8C5268LTI-LP030	1st January 2014	30th July 2014
33	CY8C5365AXI-043T	CY8C5467AXI-LP108	1st January 2014	30th July 2014
34	CY8C5365LTI-104T	CY8C5467LTI-LP003	1st January 2014	30th July 2014
35	CY8C5366AXI-001T	CY8C5467AXI-LP108	1st January 2014	30th July 2014
36	CY8C5366LTI-053T	CY8C5467LTI-LP003	1st January 2014	30th July 2014
37	CY8C5367AXI-108T	CY8C5467AXI-LP108	1st January 2014	30th July 2014
38	CY8C5367LTI-003T	CY8C5467LTI-LP003	1st January 2014	30th July 2014
39	CY8C5368AXI-106T	CY8C5468AXI-LP106	1st January 2014	30th July 2014
40	CY8C5368LTI-026T	CY8C5468LTI-LP026	1st January 2014	30th July 2014
41	CY8C5466AXI-064T	CY8C5666AXI-LP004	1st January 2014	30th July 2014
42	CY8C5466LTI-063T	CY8C5666LTI-LP005	1st January 2014	30th July 2014
43	CY8C5467AXI-011T	CY8C5667AXI-LP006	1st January 2014	30th July 2014
44	CY8C5467LTI-007T	CY8C5668LTI-LP014	1st January 2014	30th July 2014
45	CY8C5468AXI-018T	CY8C5668AXI-LP010	1st January 2014	30th July 2014
46	CY8C5468LTI-037T	CY8C5668LTI-LP014	1st January 2014	30th July 2014
47	CY8C5566AXI-061T	CY8C5866AXI-LP021	1st January 2014	30th July 2014
48	CY8C5566LTI-017T	CY8C5866LTI-LP022	1st January 2014	30th July 2014
49	CY8C5567AXI-019T	CY8C5867AXI-LP024	1st January 2014	30th July 2014
50	CY8C5567LTI-079T	CY8C5867LTI-LP028	1st January 2014	30th July 2014
51	CY8C5568AXI-060T	CY8C5868AXI-LP032	1st January 2014	30th July 2014
52	CY8C5568LTI-114T	CY8C5868LTI-LP038	1st January 2014	30th July 2014

Qualification Status:

Adhering to Cypress-specified list of changes, these new PSoC 5LP devices have been qualified through a series of tests identified in Qualification Test Plan # 120501. The QTP report is attached to this notice and is online at <http://www.cypress.com/?rID=74580>

Sample Status:

Samples of replacement devices are available at www.cypress.com and through our worldwide distribution partners. Please contact your local sales representative to place sample requests.

Approximate Implementation Date:

Affected part numbers listed above are subject to End-of-Life (EOL) with the given LTB and LTS dates, as indicated above.

Anticipated Impact:

PSoC 5LP devices are completely compatible with the affected PSoC 5 devices from a functional, parametric, and quality performance perspective. However, customers have to undergo a migration to ensure proper code execution. Please contact your local sales representative or Cypress technical support if you need assistance with migration. Cypress also recommends that customers take this opportunity to review the current PSoC 5 to PSoC 5LP App Note (AN84741), available at <http://www.cypress.com/?rID=72845>

Method of Identification:

All PSoC 5 devices have a JTAG ID beginning with 0x0E whereas all PSoC 5LP devices have a JATG ID beginning with 0x2E. JTAG IDs are located in PSoC Creator Software under Device Selector.

Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

Response Required:

No response to this notice is required. Customers are advised to take note of the above Last Time Buy (LTB) and Last Time Ship (LTS) dates and plan to migrate to the PSoC 5LP product family prior to the obsolescence of the affected PSoC 5 devices.

For additional information regarding this change, please contact your local Cypress sales representative or contact the Cypress PCN Administrator at pcn_adm@cypress.com.

Sincerely,

Cypress PCN Administration