



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN184902

Date: December 10, 2018

Subject: Qualification of Fab 25 as an Additional Wafer Fab Site, EME-G660B Mold Compound and Marketing Part Number Change for Select Automotive MCU Products

Change Type: Major

Description of Change:

Cypress announces the qualification of Fab 25 (5204 East Ben White Boulevard, Austin, TX 78741, USA) as an additional wafer fab site for select automotive MCU products. The current products are fabricated at ON Semiconductor Aizu Co., Ltd, which was former Aizu Fujitsu Semiconductor Manufacturing Limited (AFSM) Japan. Cypress also announces that the package mold material is changing to the standard J-Devices EME-G660B mold compound. In addition, the part number is changing from an MB prefix to a CY prefix, including a marking change of “F-logo” or “Spansion logo” removal. These changes correspond to Group 2 (GR2-C) in APCN173705C.

Changes	Current	New
Wafer Fab Site	ON Semiconductor Aizu Co., Ltd, Japan	Fab 25, USA
Mold Compound	Hitachi Epoxy CEL-9210H	Sumitomo Epoxy EME-G660B
Part Number	MB***	CY***
Logo Marking	F-logo or Spansion logo	No logo

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: 163

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:

This wafer fab site has been qualified through a series of tests documented in Qualification Test Plans QTP#172504 and QTP#173908. 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 Fab 25 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 supplied from Fab 25 or other approved wafer fabrication sites.

For Automotive PPAP part numbers this change will be effective upon customer approval.

Anticipated Impact:

Products fabricated 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	New Part Number
1	MB91F463NAPMC-GS-P01E1	CY91F463NAPMC-GS-P01UJE1
2	MB91F463NAPMC-GS-P01N2E1	CY91F463NAPMC-GS-P01UJE1
3	MB91F463NCPMC-GS-P02E1	CY91F463NCPMC-GS-P02UJE1
4	MB91F463NCPMC-GS-P02N2E1	CY91F463NCPMC-GS-P02UJE1
5	MB96F313ASBPMC-GSE2	CY96F313ASBPMC-GS-UJE2
6	MB96F313ASBPMC-GS-ERE2	CY96F313ASBPMC-GS-UJERE2
7	MB96F313ASBPMC-GS-F4E1	CY96F313ASBPMC-GS-UJF4E1
8	MB96F313ASBPMC-GS-JAE2	CY96F313ASBPMC-GS-UJE2
9	MB96F313ASBPMC-GS-N2E2	CY96F313ASBPMC-GS-UJE2
10	MB96F313RSBPMC-GSE2	CY96F313RSBPMC-GS-UJE2
11	MB96F313RSBPMC-GS-N2E2	CY96F313RSBPMC-GS-UJE2
12	MB96F315RSBPMC-GSE1	CY96F315RSBPMC-GS-UJE1
13	MB96F315RSBPMC-GSE2	CY96F315RSBPMC-GS-UJE2
14	MB96F315RSBPMC-GS-N2E1	CY96F315RSBPMC-GS-UJE1
15	MB96F315RSBPMC-GS-N2E2	CY96F315RSBPMC-GS-UJE2
16	MB96F326RSBPMC-GSE1	CY96F326RSBPMC-GS-UJE1
17	MB96F326RSBPMC-GSE2	CY96F326RSBPMC-GS-UJE2
18	MB96F326RSBPMC-GS-N2E1	CY96F326RSBPMC-GS-UJE1
19	MB96F326RSBPMC-GS-N2E2	CY96F326RSBPMC-GS-UJE2
20	MB96F346ASBPMCR-GSE2	CY96F346ASBPMCR-GS-UJE2
21	MB96F346ASBPMCR-GS-N2E2	CY96F346ASBPMCR-GS-UJE2
22	MB96F346RSAPMCR-GSE2	CY96F346RSAPMCR-GS-UJE2
23	MB96F346RSAPMCR-GS-N2E2	CY96F346RSAPMCR-GS-UJE2
24	MB96F346RSBPMC-GSE2	CY96F346RSBPMC-GS-UJE2
25	MB96F346RSBPMC-GS-N2E2	CY96F346RSBPMC-GS-UJE2
26	MB96F346RWAPMCR-GSE2	CY96F346RWAPMCR-GS-UJE2
27	MB96F346RWAPMCR-GS-N2E2	CY96F346RWAPMCR-GS-UJE2
28	MB96F346RWBPMC-GSE2	CY96F346RWBPMC-GS-UJE2
29	MB96F346RWBPMC-GS-N2E2	CY96F346RWBPMC-GS-UJE2
30	MB96F347ASBPMC-GSE2	CY96F347ASBPMC-GS-UJE2
31	MB96F347ASBPMC-GS-N2E2	CY96F347ASBPMC-GS-UJE2
32	MB96F347RSBPMC-GSE2	CY96F347RSBPMC-GS-UJE2
33	MB96F348ASBPMC-GSE2	CY96F348ASBPMC-GS-UJE2
34	MB96F348ASBPMC-GS-N2E2	CY96F348ASBPMC-GS-UJE2
35	MB96F348RSAPMCR-GSE2	CY96F348RSAPMCR-GS-UJE2
36	MB96F348RSAPMCR-GS-N2E2	CY96F348RSAPMCR-GS-UJE2
37	MB96F348RSBPMC-GSE2	CY96F348RSBPMC-GS-UJE2
38	MB96F348RSBPMC-GS-JAE2	CY96F348RSBPMC-GS-UJE2
39	MB96F348RSBPMC-GS-N2E2	CY96F348RSBPMC-GS-UJE2
40	MB96F353ASBPMC1-GS-JAE2	CY96F353ASBPMC1-GS-UJE2
41	MB96F355RSBPMC1-GSE2	CY96F355RSBPMC1-GS-UJE2
42	MB96F355RSBPMC1-GS-ERE2	CY96F355RSBPMC1-GSUJERE2
43	MB96F355RSBPMC1-GS-N2E2	CY96F355RSBPMC1-GS-UJE2
44	MB96F355RSBPMC-GSE2	CY96F355RSBPMC-GS-UJE2
45	MB96F356ASBPMC-GSE2	CY96F356ASBPMC-GS-UJE2
46	MB96F356ASBPMC-GS-N2E2	CY96F356ASBPMC-GS-UJE2
47	MB96F356RSBPMC1-GSE1	CY96F356RSBPMC1-GS-UJE1
48	MB96F356RSBPMC1-GSE2	CY96F356RSBPMC1-GS-UJE2
49	MB96F356RSBPMC1-GS-F4E1	CY96F356RSBPMC1-GSUJF4E1

50	MB96F356RSBPMC1-GS-N2E1	CY96F356RSBPMC1-GS-UJE1
51	MB96F356RSBPMC1-GS-N2E2	CY96F356RSBPMC1-GS-UJE2
52	MB96F356RSBPMC-GSE2	CY96F356RSBPMC-GS-UJE2
53	MB96F356RSBPMC-GS-ERE2	CY96F356RSBPMC-GS-UJERE2
54	MB96F356RSBPMC-GS-N2E2	CY96F356RSBPMC-GS-UJE2
55	MB96F356RWBPMC1-GSE2	CY96F356RWBPMC1-GS-UJE2
56	MB96F356RWBPMC1-GS-N2E2	CY96F356RWBPMC1-GS-UJE2
57	MB96F356RWBPMC-GSE2	CY96F356RWBPMC-GS-UJE2
58	MB96F385RSAPMC-GSE2	CY96F385RSAPMC-GS-UJE2
59	MB96F385RSAPMC-GS-N2E2	CY96F385RSAPMC-GS-UJE2
60	MB96F385RSBPMC-GS-106E2	CY96F385RSBPMC-GS106UJE2
61	MB96F385RSBPMC-GS106N2E2	CY96F385RSBPMC-GS106UJE2
62	MB96F385RSBPMC-GS-118E2	CY96F385RSBPMC-GS118UJE2
63	MB96F385RSBPMC-GS-120E2	CY96F385RSBPMC-GS120UJE2
64	MB96F385RSBPMC-GS120N2E2	CY96F385RSBPMC-GS120UJE2
65	MB96F385RSBPMC-GS-134E2	CY96F385RSBPMC-GS134UJE2
66	MB96F385RSBPMC-GS-136E2	CY96F385RSBPMC-GS136UJE2
67	MB96F385RSBPMC-GS-137E2	CY96F385RSBPMC-GS137UJE2
68	MB96F385RSBPMC-GS-140E2	CY96F385RSBPMC-GS140UJE2
69	MB96F385RSBPMC-GS-165E2	CY96F385RSBPMC-GS165UJE2
70	MB96F385RSBPMC-GS-167E2	CY96F385RSBPMC-GS167UJE2
71	MB96F385RSBPMC-GS-172E2	CY96F385RSBPMC-GS172UJE2
72	MB96F385RSBPMC-GS-173E2	CY96F385RSBPMC-GS173UJE2
73	MB96F385RSBPMC-GS-174E2	CY96F385RSBPMC-GS174UJE2
74	MB96F385RSBPMC-GS-182E2	CY96F385RSBPMC-GS182UJE2
75	MB96F385RSBPMC-GS-190E2	CY96F385RSBPMC-GS190UJE2
76	MB96F385RSBPMC-GS-216E2	CY96F385RSBPMC-GS216UJE2
77	MB96F385RSBPMC-GSE2	CY96F385RSBPMC-GS-UJE2
78	MB96F385RSBPMC-GS-N2E2	CY96F385RSBPMC-GS-UJE2
79	MB96F385RWAPMC-GSE2	CY96F385RWAPMC-GS-UJE2
80	MB96F385RWAPMC-GS-N2E2	CY96F385RWAPMC-GS-UJE2
81	MB96F386RSCPMC-GS-113E2	CY96F386RSCPMC-GS113UJE2
82	MB96F386RSCPMC-GS113N2E2	CY96F386RSCPMC-GS113UJE2
83	MB96F386RSCPMC-GS-117E2	CY96F386RSCPMC-GS117UJE2
84	MB96F386RSCPMC-GS117N2E2	CY96F386RSCPMC-GS117UJE2
85	MB96F386RSCPMC-GS-121E2	CY96F386RSCPMC-GS121UJE2
86	MB96F386RSCPMC-GS-123E2	CY96F386RSCPMC-GS123UJE2
87	MB96F386RSCPMC-GS123N2E2	CY96F386RSCPMC-GS123UJE2
88	MB96F386RSCPMC-GS-125E2	CY96F386RSCPMC-GS125UJE2
89	MB96F386RSCPMC-GS125N2E2	CY96F386RSCPMC-GS125UJE2
90	MB96F386RSCPMC-GS127N2E2	CY96F386RSCPMC-GS127UJE2
91	MB96F386RSCPMC-GS-129E2	CY96F386RSCPMC-GS129UJE2
92	MB96F386RSCPMC-GS129N2E2	CY96F386RSCPMC-GS129UJE2
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95	MB96F386RSCPMC-GS132N2E2	CY96F386RSCPMC-GS132UJE2
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97	MB96F386RSCPMC-GS-135E2	CY96F386RSCPMC-GS135UJE2
98	MB96F386RSCPMC-GS-138E2	CY96F386RSCPMC-GS138UJE2
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101	MB96F386RSCPMC-GS-146E2	CY96F386RSCPMC-GS146UJE2
102	MB96F386RSCPMC-GS-147E2	CY96F386RSCPMC-GS147UJE2
103	MB96F386RSCPMC-GS-148E2	CY96F386RSCPMC-GS148UJE2
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106	MB96F386RSCPMC-GS-151E2	CY96F386RSCPMC-GS151UJE2
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115	MB96F386RSCPMC-GS-166E2	CY96F386RSCPMC-GS166UJE2
116	MB96F386RSCPMC-GS-168E2	CY96F386RSCPMC-GS168UJE2
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119	MB96F386RSCPMC-GS-171E2	CY96F386RSCPMC-GS171UJE2
120	MB96F386RSCPMC-GS-175E2	CY96F386RSCPMC-GS175UJE2
121	MB96F386RSCPMC-GS-176E2	CY96F386RSCPMC-GS176UJE2
122	MB96F386RSCPMC-GS-177E2	CY96F386RSCPMC-GS177UJE2
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124	MB96F386RSCPMC-GS-179E2	CY96F386RSCPMC-GS179UJE2
125	MB96F386RSCPMC-GS-180E2	CY96F386RSCPMC-GS180UJE2
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128	MB96F386RSCPMC-GS-185E2	CY96F386RSCPMC-GS185UJE2
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135	MB96F386RSCPMC-GS-193E2	CY96F386RSCPMC-GS193UJE2
136	MB96F386RSCPMC-GS-195E2	CY96F386RSCPMC-GS195UJE2
137	MB96F386RSCPMC-GS-196E2	CY96F386RSCPMC-GS196UJE2
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150	MB96F386RSCPMC-GS-213E2	CY96F386RSCPMC-GS213UJE2
151	MB96F386RSCPMC-GS-214E2	CY96F386RSCPMC-GS214UJE2
152	MB96F386RSCPMC-GS-217E2	CY96F386RSCPMC-GS217UJE2
153	MB96F386RSCPMC-GS-218E2	CY96F386RSCPMC-GS218UJE2
154	MB96F386RSCPMC-GSE2	CY96F386RSCPMC-GS-UJE2
155	MB96F386RSCPMC-GS-F4E1	CY96F386RSCPMC-GS-UJF4E1
156	MB96F386RSCPMC-GS-JAE2	CY96F386RSCPMC-GS-UJE2
157	MB96F386RSCPMC-GS-N2E2	CY96F386RSCPMC-GS-UJE2
158	MB96F387RSCPMC-GS-JAE2	CY96F387RSCPMC-GS-UJE2
159	MB96F395RSAPMC-GSE2	CY96F395RSAPMC-GS-UJE2
160	MB96F395RSAPMC-GS-N2E2	CY96F395RSAPMC-GS-UJE2
161	MB96F395RSBPMC-GSE2	CY96F395RSBPMC-GS-UJE2
162	MB96F395RWBPMC-GSE2	CY96F395RWBPMC-GS-UJE2
163	MB96F395RWBPMC-GS-N2E2	CY96F395RWBPMC-GS-UJE2