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ADVANCE PRODUCT CHANGE NOTIFICATION

APCN: PCN173705A

Date: December 14, 2017

Subject: Planned Qualifications of Fab 25 as an Additional Wafer Fab Site and a New Bill of Materials at J-Devices for Select MCU and Analog Products

To: JAMIE PEDERSON
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Description of Change:

The purpose of this addendum is to update the affected parts list and provide more details on the top mark change associated with the part number changes.

This is an advance notification, no immediate action on your part is necessary. Once samples are available (see approximate schedule in the attached file), we would appreciate an expeditious qualification.

These changes to select Automotive MCU and Mass Market (MM) MCU products include qualification of Cypress's Fab 25 as an additional Wafer Fab Site, migration from gold to copper wire, introduction of an improved mold compound, and conversion from etched to stamped lead-frames. These changes are not all implemented on all affected parts—the table below groups the number of parts that are affected for each combination of changes.

MPN change	Fab25 xfer	Mold change	Wire change	L/F change	No. of MPN	Group (GR)	Planned PCNs											
							Q417	Q118	Q218	Q318	Q418	Q119	Q219	Q319	Q419			
CY (w/o Logo)	Yes	Yes	Yes	No	6	1	GR1-A											
			No	No	434	2		GR2-A	GR2-B	GR2-C	GR2-D	GR2-E	GR2-F	GR2-G	GR2-H			
		No	No	No	54	3	GR3-A	GR3-B	GR3-C	GR3-D	GR3-E			GR3-F				
	No	Yes	Yes	Yes	Yes	86	4		GR4-A									
				No	No	1,048	5	GR5-A	GR5-B									
			No	No	60	6	GR6-A	GR6-B										
		No	Yes	No	Yes	Yes	1	7	GR7-A									
					No	No	1,709	8	GR8-A	GR8-B								
					No	No												
					total			3,398		6	6	2	2	2	1	1	2	1

So, for example, a total of 1,048 Marketing Part Numbers (MPNs) representing Group 5 (GR5) will get the marking change (MPN change) and will be assembled with the improved mold compound and copper wires; this group of parts will not transfer to Fab25, nor will there be any change in leadframe. These 1,048 MPNs will be qualified in two tranches, GR5-A and GR5-B, with PCNs going out in Q417 and Q118, respectively.

A new reel format will also be announced separately, which will affect a subset of the devices listed in the table above. Since this does not involve a change in supplier, materials, or dimensions, notification will be done by Product Information Notification (PIN). The purpose of the new reel format is to standardize it to IEC60286-3, which is the standard reel format used by our subcontractor J-Devices.

Marketing part numbers will change from an MB prefix to a CY prefix for 3,398 products. This will include removal of the “F-logo” or “Spansion-logo.”

Marketing part numbers and device marking will not change for 130 products that were previously included in Product Termination Notifications (PTNs) 163704, 171104, 171201 and 172507. The only change for these products will be in the reel format, as described above.

Benefit of Change:

These qualifications will enable Cypress to continue to meet its delivery commitments by having a continued supply from alternate qualified sources.

The primary impetus for this project is to qualify Cypress’s Fab25 in Austin as a second source for these products. At the same time, a subset of these products, depending on the package, are currently not utilizing J-Devices’ standard flow with regards to mold compound, leadframes, and bonding wires.

In order to protect customers from having to qualify the same MPN multiple times, we are consolidating these fab and assembly changes under single PCNs.

Part Numbers Affected: 3,528

See the attached ‘Affected Parts List’ file for a list of all part numbers affected by this change. This file indicates which parts are affected by the Fab 25 qualification, which parts are affected by the new J-Devices BOM qualification and the new part numbers for each part where the number is changing. Additional Marketing Part Numbers by revision change are indicated with ‘*A’ in the attached ‘Affected Parts List’. Note that the dates are subject to change. Once complete, the qualifications will be announced through regular PCNs.

Qualification Status:

Cypress qualification will be complete at the time of each PCN issuance, and samples will also be available at that time.

Sample Status:

Samples will be available at the time that the specific PCN is issued. Qualification samples are not built ahead of time for all affected part numbers. Please contact your local Sales Representative to schedule samples.

Approximate Implementation Date:

Implementation dates will be communicated at the time of each PCN issuance.

Anticipated Impact:

Products fabricated at Fab 25 and/or assembled with the new Bill of Materials (mold compound, leadframe, bonding wires) will be completely compatible with existing product from a functional, parametric and quality performance perspective.

Method of Identification:

Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package. New part numbers will be used to distinguish product from Fab 25. The Fab location marking on the part will be used to reflect the Fab location. The part marking will change to show the new part number.

Response Required:

This is an information only announcement. 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

1556	MB91F610APMC-GS-N2E1	CY91F610APMC-GS-N2E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LQM120
1557	MB91F610APMC-GSE1	CY91F610APMC-GSE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LQM120
1558	MB91F610APMC-GS-N2E1	CY91F610APMC-GS-N2E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LQM120
1559	MB91F637APMC-GE1	CY91F637APMC-GE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LS3144
1560	MB91F637APMC-GK5E1	CY91F637APMC-GK5E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LS1444
1561	MB91F639PMC-G-N2-K7E1	CY91F639PMC-G-N2-K7E1	MM	N/A	10/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LSG444
1562	MB91F644PMC-GK5E1	CY91F644PMC-GK5E1	MM	N/A	10/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LOP176
1563	MB91F6522PMC-G-N2E1	CY91F6522PMC-G-N2E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LQM120
1564	MB91F725RDPMC-GSK5E1	CY91F725RDPMC-GSK5E1	Auto	N/A	10/2018	Fab25	1Q/2018	Mold	N/A	N/A	10/2018	N/A	N/A	LS3144
1565	MB91F725RDPMC-GS-UJK5E1	CY91F725RDPMC-GS-UJK5E1	Auto	N/A	10/2018	Fab25	1Q/2018	Mold	N/A	N/A	10/2018	N/A	N/A	LS3144
1566	MB94F601APMC1-GSE1	CY94F601APMC1-GSE1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LD0684
1567	MB94F601APMC1-GSE1	CY94F601APMC1-GSE1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LD0684
1568	MB94F602APMC1-GSE1	CY94F602APMC1-GSE1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LD0684
1569	MB94F62APMC1-GSE1	CY94F62APMC1-GSE1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LD0684
1570	MB95004APMT-G-140E1	CY95004APMT-G-140E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LOA048
1571	MB95004APMT-G-141E1	CY95004APMT-G-141E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LOA048
1572	MB95004APMT-G-143E1	CY95004APMT-G-143E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LOA048
1573	MB95008APMC-G-105E1	CY95008APMC-G-105E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LO1100
1574	MB95008APMC-G-108E1	CY95008APMC-G-108E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LO1100
1575	MB95008APMC-G-113E1	CY95008APMC-G-113E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LO1100
1576	MB95008APMC-G-114E1	CY95008APMC-G-114E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LO1100
1577	MB95008APMC-G-115E1	CY95008APMC-G-115E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1578	MB95008APMC-G-119E1	CY95008APMC-G-119E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LO1100
1579	MB95008APMC-G-120E1	CY95008APMC-G-120E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LO1100
1580	MB95010PMC-G-109E1	CY95010PMC-G-109E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1581	MB95010PMC-G-115E1	CY95010PMC-G-115E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1582	MB95010PMC-G-116E1	CY95010PMC-G-116E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1583	MB95010PMC-G-118E1	CY95010PMC-G-118E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1584	MB95010PMC-G-119E1	CY95010PMC-G-119E1	MM	N/A	40/2017	N/A	N/A	N/A	N/A	N/A	40/2017	N/A	N/A	LC0652
1585	MB95010PMC-G-120E1	CY95010PMC-G-120E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1586	MB95010PMC-G-121E1	CY95010PMC-G-121E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1587	MB95010PMC-G-122E1	CY95010PMC-G-122E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1588	MB951078PMT-G-108E1	CY951078PMT-G-108E1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LOA048
1589	MB95116BPM-G-120E1	CY95116BPM-G-120E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LOA048
1590	MB95117MPMC-G-101E1	CY95117MPMC-G-101E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1591	MB95117MPMC-GS-104E1	CY95117MPMC-GS-104E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1592	MB95117MPMC-GS-105E1	CY95117MPMC-GS-105E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1593	MB95117MPMC-GS-109E1	CY95117MPMC-GS-109E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1594	MB95117MPMC-GS-109E1	CY95117MPMC-GS-109E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1595	MB95117MPMC-GS-115E1	CY95117MPMC-GS-115E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1596	MB95117MPMC-GS-118E1	CY95117MPMC-GS-118E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1597	MB95117MPMC-GS-119E1	CY95117MPMC-GS-119E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1598	MB95117MPMC-GS-124E1	CY95117MPMC-GS-124E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1599	MB95117MPMC-GS-124E1	CY95117MPMC-GS-124E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1600	MB95128BPMC-GS-115E1	CY95128BPMC-GS-115E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1601	MB95136MBPFV-GS-103-EFE1	CY95136MBPFV-GS-103-EFE1	MM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Reel	Q4/2017	SS303
1602	MB95136MBPFV-GS-105-ERE1	CY95136MBPFV-GS-105-ERE1	MM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Reel	Q4/2017	SS303
1603	MB95136MBPFV-GS-101-EFE1	No change	MM	N/A	11/2011	N/A	N/A	N/A	N/A	N/A	N/A	Reel	Q4/2017	SS303
1604	MB95136MBPFV-GS-103-ERE1	No change	Auto	N/A	11/2011	N/A	N/A	N/A	N/A	N/A	N/A	Reel	Q4/2017	SS303
1605	MB95136MBPFV-GS-110-ERE1	No change	Auto	N/A	16/3704	N/A	N/A	N/A	N/A	N/A	N/A	Reel	Q4/2017	SS303
1606	MB95136MBPFV-GS-111-ERE1	CY95136MBPFV-GS-111-ERE1	Auto	N/A	10/2018	N/A	N/A	N/A	N/A	N/A	N/A	Reel	Q4/2017	SS303
1607	MB95136MBPFV-GS-112-ERE1	No change	Auto	N/A	16/3704	N/A	N/A	N/A	N/A	N/A	N/A	Reel	Q4/2017	SS303
1608	MB95176MPC1-GS-105E1	CY95176MPC1-GS-105E1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LD0684
1609	MB95176MPC1-GS-XXXE1	CY95176MPC1-GS-XXXE1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LD0684
1610	MB95F004PFT-GE1	CY95F004PFT-GE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LOA048
1611	MB95F008PMC-G-101E1	CY95F008PMC-G-101E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1612	MB95F008PMC-G-102E1	CY95F008PMC-G-102E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1613	MB95F008PMC-G-103E1	CY95F008PMC-G-103E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1614	MB95F008PMC-G-108E1	CY95F008PMC-G-108E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1615	MB95F008PMC-GE1	CY95F008PMC-GE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1616	MB95F010PMC-G-110E1	CY95F010PMC-G-110E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1617	MB95F010PMC-GE1	CY95F010PMC-GE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1618	MB95F011HNPFT-G-101UN-YE2	CY95F011HNPFT-G-101UN-YE2	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LOH080
1619	MB95F012KPT-G-UNE2	CY95F012KPT-G-UNE2	MM	N/A	10/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	STG020
1620	MB95F013KPMC-G-UNE2	CY95F013KPMC-G-UNE2	MM	N/A	10/2018	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LB0832
1621	MB95F108AHSPMC1-G-SNE1	CY95F108AHSPMC1-G-SNE1	MM	N/A	30/2018	Fab25	3Q/2018	N/A	N/A	N/A	N/A	N/A	N/A	LD0684
1622	MB95F108AHSPMC1-G-SPE1	CY95F108AHSPMC1-G-SPE1	MM	N/A	40/2017	Fab25	4Q/2017	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1623	MB95F108AHSPMC1-G-SPE1	CY95F108AHSPMC1-G-SPE1	MM	N/A	40/2017	Fab25	4Q/2017	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1624	MB95F108AHSPMC1-G-SPE1	CY95F108AHSPMC1-G-SPE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1625	MB95F108AHSPMC1-GSE1	CY95F108AHSPMC1-GSE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1626	MB95F108AHSPMC1-GS-N2E1	CY95F108AHSPMC1-GS-N2E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1627	MB95F108AHSPMC1-G-SPE1	CY95F108AHSPMC1-G-SPE1	MM	N/A	40/2017	Fab25	4Q/2017	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1628	MB95F108AHSPMC1-G-SPE2	CY95F108AHSPMC1-G-SPE2	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1629	MB95F108AJSPMC-G-JNE1	CY95F108AJSPMC-G-JNE1	MM	N/A	30/2018	Fab25	3Q/2018	N/A	N/A	N/A	N/A	N/A	N/A	LD0684
1630	MB95F108AKSPVF-GSE1	CY95F108AKSPVF-GSE1	Auto	N/A	10/2018	N/A	N/A	Mold	Wire	N/A	10/2018	N/A	N/A	LD0684
1631	MB95F108AKSPMC1-GSE1	CY95F108AKSPMC1-GSE1	Auto	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LD0684
1632	MB95F108AMWPMC1-G-JNE1	CY95F108AMWPMC1-G-JNE1	MM	N/A	30/2018	Fab25	3Q/2018	N/A	N/A	N/A	N/A	N/A	N/A	LD0684
1633	MB95F118ASWQV-G-SPE1	CY95F118ASWQV-G-SPE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1634	MB95F118ASWQV-G-SPE1	CY95F118ASWQV-G-SPE1	MM	N/A	30/2018	Fab25	3Q/2018	N/A	N/A	N/A	N/A	N/A	N/A	WXN048
1635	MB95F118AWPMC-R-G-SPE1	CY95F118AWPMC-R-G-SPE1	MM	N/A	40/2017	Fab25	4Q/2017	Mold	Wire	N/A	40/2017	N/A	N/A	LOA048
1636	MB95F118BSPMT-G-SPE1	CY95F118BSPMT-G-SPE1	MM	N/A	40/2017	Fab25	4Q/2017	Mold	Wire	N/A	40/2017	N/A	N/A	LOA048
1637	MB95F118NSPMC-G-N2E1	CY95F118NSPMC-G-N2E1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1638	MB95F118NSPMC-G-SPE1	CY95F118NSPMC-G-SPE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LC0652
1639	MB95F128DPMC-GE1	CY95F128DPMC-GE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1640	MB95F128BPMC-GSE1	CY95F128BPMC-GSE1	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1641	MB95F128BPMC-GSE2	CY95F128BPMC-GSE2	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1642	MB95F128BPMC-GS-N2E2	CY95F128BPMC-GS-N2E2	MM	N/A	40/2017	N/A	N/A	Mold	Wire	N/A	40/2017	N/A	N/A	LO1100
1643	MB95F136MBPFV-GS-EFE1	No change	MM	N/A	11/2011	N/A	N/A							

