



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

PRODUCT TERMINATION NOTIFICATION

PTN: PTN192303A

Date: June 26, 2019

Subject: Addendum to PTN192303 - July 2019 Product Obsolescence Notification

To:

Product Obsolescence Information:

This addendum is to inform customers of additional EOL products to include software packages (see Note 2 below) and additional automotive parts which were omitted in error (see Note 3 below).

Cypress announced the obsolescence of select products from its portfolio resulting from an internal review and business decision to discontinue support. The affected part numbers are listed in the attached file. Last Time Buy (LTB) and Last Time Ship (LTS) dates are provided for each product. 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. "NCNR Date" provided in attached list of affected parts is the date that the part will shift to Non-Cancellable; Non-Returnable (NCNR) terms and conditions. If the table denotes "NCNR", that means part is already NCNR.

The part listed as the "Drop-In Replacement Part" will perform the same task but with improved or revised technology; or manufactured at a different site. The part listed as the "Next Best Alternative Part" is the recommended replacement that may have some features or functions that are different and may require board re-design.

Note 1: Parts in attached list identified with a "Note 1" were manufactured in JD Miyagi and JD Aizu sites. Cypress issued a PCN in September 2016 (PCN163701) which announced the transition from JD Miyagi and Aizu sites with replacement parts. However, affected parts in this notice (with note 1) were left open for order entry in error. The parts will be shut down immediately and future orders will be supported with the drop-in replacement from the alternate site provided in the attached file.

Note 2: Part numbers refer to software and support maintenance packages (SOFTUNE and REALOS). Support capability for these packages is critically limited with near term plans to shut down. Capability for new orders and contracts related to these packages, including support maintenance, is being closed effective immediately. Existing maintenance contracts will be

honored according to agreement with customers. For concerns, please contact Tsukasa Tatsumi using phone or email included in the table below.

Note 3: Parts were omitted in error in original product termination notice PTN192303.

Part Numbers Affected: 411

Please see the attached file for a list of part numbers, Last Time Buy Dates and Last Time Ship Dates.

Approximate Implementation Date:

This change is effective with this notification. See attached listing for specified Last Time Buy and Last Time Ship dates by device.

Response Required:

No response required.

For additional information regarding this notice, contact the personnel listed in the table below, your local sales representative, or the PCN Administrator at pcn_admin@cypress.com.

Contact	Country	Phone Number	Email	Family of Parts
Hideki Hosoda	Japan	+81-44-920-8233	hhos@cypress.com	Capsense Plus, PSoC, MCU
Sai Dhanraj	US	1-408-545-9588	sapd@cypress.com	Parallel NOR FLASH
P. K. Sidharth	US	1-719-481-7058	ksi@cypress.com	FRAM
Tsukasa Tatsumi	Japan	+81-44-920-8193	ttat@cypress.com	Auto MCU
Jing Mu	US	1-408-943-2618	jhmu@cypress.com	Auto PSoC

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Last Time Buy Date	Last Time Ship Date	Drop In Replacement Part	NCNR Date	Notes
1	05523-458/0001	1-Jul-20	4-Jul-22	None	30-Sep-19	
2	CY8C21534-24PVXA	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
3	CY8C21534-24PVXAT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
4	CY8C24894-24LTXA	1-Jul-20	4-Jul-22	None	30-Sep-19	
5	CY8C24894-24LTXAT	1-Jul-20	4-Jul-22	None	30-Sep-19	
6	CY8CKIT-041-40XX	2-Oct-19	30-Dec-19	None	30-Sep-19	
7	CY8CTMA120-56LTXA	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
8	CY8CTMA120-56LTXAT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
9	CY8CTMA120-56LWXA	1-Jul-20	4-Jul-22	None	30-Sep-19	
10	CY8CTMA120-56LWXAT	1-Jul-20	4-Jul-22	None	30-Sep-19	
11	CY8CTMG120-56LTXA	1-Jul-20	4-Jul-22	None	30-Sep-19	
12	CY8CTMG120-56LTXAT	1-Jul-20	4-Jul-22	None	30-Sep-19	
13	CG7806BA	1-Jul-20	4-Jul-22	None	30-Sep-19	
14	CG7806BAT	1-Jul-20	4-Jul-22	None	30-Sep-19	
15	CG8002BA	1-Jul-20	4-Jul-22	None	30-Sep-19	
16	CG8002BAT	1-Jul-20	4-Jul-22	None	30-Sep-19	
17	CP7487BT	1-Jul-20	4-Jul-22	None	30-Sep-19	
18	CP7487BTT	1-Jul-20	4-Jul-22	None	30-Sep-19	
19	CP7488BT	1-Jul-20	4-Jul-22	None	30-Sep-19	
20	CP7488BTT	1-Jul-20	4-Jul-22	None	30-Sep-19	
21	CP7488DT	1-Jul-20	4-Jul-22	None	30-Sep-19	
22	CP7488DTT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
23	CP7598AT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
24	CP7598ATT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
25	CP7598BT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
26	CP7709ET	1-Jul-20	4-Jul-22	None	30-Sep-19	
27	CP7709ETT	1-Jul-20	4-Jul-22	None	30-Sep-19	
28	CP7709FT	1-Jul-20	4-Jul-22	None	30-Sep-19	
29	CP7709FTT	1-Jul-20	4-Jul-22	None	30-Sep-19	
30	CP7709GT	1-Jul-20	4-Jul-22	None	30-Sep-19	
31	CP7709GTT	1-Jul-20	4-Jul-22	None	30-Sep-19	
32	CP7709KT	1-Jul-20	4-Jul-22	None	30-Sep-19	
33	CP7709KTT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
34	CP7709LT	1-Jul-20	4-Jul-22	None	30-Sep-19	
35	CP7709LTT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
36	CP7914BT	1-Jul-20	4-Jul-22	None	30-Sep-19	
37	CP7914BTT	1-Jul-20	4-Jul-22	None	30-Sep-19	
38	CP7915BT	1-Jul-20	4-Jul-22	None	30-Sep-19	
39	CP7915BTT	1-Jul-20	4-Jul-22	None	30-Sep-19	
40	CP7915FT	1-Jul-20	4-Jul-22	None	30-Sep-19	
41	CP7915FTT	1-Jul-20	4-Jul-22	None	30-Dec-19	Note 3
42	CY3215A-DK	2-Oct-19	30-Dec-19	None	30-Sep-19	
43	CY3217	2-Oct-19	30-Dec-19	None	30-Sep-19	
44	FM24C04B-G2	1-Jan-20	29-Jun-20	None	3-Dec-12	
45	FM24C04B-G2TR	1-Jan-20	29-Jun-20	None	3-Dec-12	
46	IS26KL128S-DABLA100TR	1-Jan-20	29-Jun-20	IS26KL128S-DABLA100-TR	27-Mar-17	
47	IS26KL128S-DABLA200TR	1-Jan-20	29-Jun-20	IS26KL128S-DABLA200-TR	27-Mar-17	
48	IS26KL128S-DABLA300TR	1-Jan-20	29-Jun-20	IS26KL128S-DABLA300-TR	27-Mar-17	
49	IS26KL128S-DABLE00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
50	IS26KL128S-DABLE100TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
51	IS26KL128S-DABLI00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
52	IS26KL256S-DABLA100TR	1-Jan-20	29-Jun-20	IS26KL256S-DABLA100-TR	27-Mar-17	
53	IS26KL256S-DABLA200TR	1-Jan-20	29-Jun-20	IS26KL256S-DABLA200-TR	27-Mar-17	
54	IS26KL256S-DABLA300TR	1-Jan-20	29-Jun-20	IS26KL256S-DABLA300-TR	27-Mar-17	
55	IS26KL256S-DABLE00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
56	IS26KL256S-DABLE100TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
57	IS26KL256S-DABLI00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
58	IS26KL512S-DABLA100TR	1-Jan-20	29-Jun-20	IS26KL512S-DABLA100-TR	27-Mar-17	
59	IS26KL512S-DABLA200TR	1-Jan-20	29-Jun-20	IS26KL512S-DABLA200-TR	27-Mar-17	

60	IS26KL512S-DABLA300TR	1-Jan-20	29-Jun-20	IS26KL512S-DABLA300-TR	27-Mar-17	
61	IS26KL512S-DABLE00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
62	IS26KL512S-DABLE100TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
63	IS26KL512S-DABLI00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
64	IS26KS128S-DPBLA100TR	1-Jan-20	29-Jun-20	IS26KS128S-DPBLA100-TR	27-Mar-17	
65	IS26KS128S-DPBLA200TR	1-Jan-20	29-Jun-20	IS26KS128S-DPBLA200-TR	27-Mar-17	
66	IS26KS128S-DPBLA300TR	1-Jan-20	29-Jun-20	IS26KS128S-DPBLA300-TR	27-Mar-17	
67	IS26KS128S-DPBLE00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
68	IS26KS128S-DPBLE100TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
69	IS26KS128S-DPBLI00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
70	IS26KS256S-DPBLA100TR	1-Jan-20	29-Jun-20	IS26KS256S-DPBLA100-TR	27-Mar-17	
71	IS26KS256S-DPBLA200TR	1-Jan-20	29-Jun-20	IS26KS256S-DPBLA200-TR	27-Mar-17	
72	IS26KS256S-DPBLA300TR	1-Jan-20	29-Jun-20	IS26KS256S-DPBLA300-TR	27-Mar-17	
73	IS26KS256S-DPBLE100TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
74	IS26KS256S-DPBLI00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
75	IS26KS512S-DPBLA100TR	1-Jan-20	29-Jun-20	IS26KS512S-DPBLA100-TR	27-Mar-17	
76	IS26KS512S-DPBLA200TR	1-Jan-20	29-Jun-20	IS26KS512S-DPBLA200-TR	27-Mar-17	
77	IS26KS512S-DPBLA300TR	1-Jan-20	29-Jun-20	IS26KS512S-DPBLA300-TR	27-Mar-17	
78	IS26KS512S-DPBLE00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
79	IS26KS512S-DPBLE100TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
80	IS26KS512S-DPBLI00TR	1-Jan-20	29-Jun-20	None	27-Mar-17	
81	MB91213APMC-GS-197E1	None	30-Sep-19	None	1-Oct-18	Note 1
82	MB91213APMC-GS-216E1	None	30-Sep-19	CY91213APMC-GS-216E1	1-Oct-18	Note 1
83	MB91248ZPFV-GS-187E1	None	30-Sep-19	CY91248ZPFV-GS-187E1	1-Oct-18	Note 1
84	MB96375RSAPMC-GS-102E2	None	30-Sep-19	CY96375RSAPMC-GS-102E2	3-Jul-17	Note 1
85	MB9BF116SPMC-GE1	None	30-Sep-19	CY9BF116SPMC-GK7E1	30-Sep-19	Note 1
86	MB9BF128TAPMC-GE2	None	30-Sep-19	CY9BF128TAPMC-GK7MJE2	30-Sep-19	Note 1
87	S6BL191A00ST2B000	1-Apr-20	4-Jan-21	None	30-Sep-19	
88	S6BL191A00ST2B200	1-Apr-20	4-Jan-21	None	30-Sep-19	
89	S6E2C10J2AGB10000	None	30-Sep-19	S6E2C10J2AGB1000A	4-Apr-16	Note 1
90	S6E2C18H0AGV20000	None	30-Sep-19	S6E2C18H0AGV2000A	30-Sep-19	Note 1
91	S6E2C1AJ0AGB10000	None	30-Sep-19	S6E2C1AJ0AGB1000A	30-Sep-19	Note 1
92	S6E2C28H0AGV20000	None	30-Sep-19	S6E2C28H0AGV2000A	30-Sep-19	Note 1
93	S6E2C29H0AGV20000	None	30-Sep-19	S6E2C29H0AGV2000A	30-Sep-19	Note 1
94	S6E2C2AH0AGV20000	None	30-Sep-19	S6E2C2AH0AGV2000A	30-Sep-19	Note 1
95	S6E2C38H0AGV20000	None	30-Sep-19	S6E2C38H0AGV2000A	30-Sep-19	Note 1
96	S6E2C38J0AGB10000	None	30-Sep-19	S6E2C38J0AGB1000A	30-Sep-19	Note 1
97	S6E2C48H0AGV20000	None	30-Sep-19	S6E2C48H0AGV2000A	30-Sep-19	Note 1
98	S6E2C58H0AGV20000	None	30-Sep-19	S6E2C58H0AGV2000A	30-Sep-19	Note 1
99	S6E2C5AH0AGV20000	None	30-Sep-19	S6E2C5AH0AGV2000A	30-Sep-19	Note 1
100	S6E2CC8J0AGB10000	None	30-Sep-19	S6E2CC8J0AGB1000A	30-Sep-19	Note 1
101	S6E2CC8J0AGV20000	None	30-Sep-19	S6E2CC8J0AGV2000A	30-Sep-19	Note 1
102	S6E2CC9H0AGV20000	None	30-Sep-19	S6E2CC9H0AGV2000A	30-Sep-19	Note 1
103	S6E2CAH0AGV20000	None	30-Sep-19	None	30-Sep-19	Note 1
104	S6E2D35J0AGV20000	None	30-Sep-19	S6E2D35J0AGV2000A	30-Sep-19	Note 1
105	S6E2D55J0AGV20000	None	30-Sep-19	S6E2D55J0AGV2000A	30-Sep-19	Note 1
106	S6E2DF5J0AGV20000	None	30-Sep-19	S6E2DF5J0AGV2000A	30-Sep-19	Note 1
107	S6E2DH5J0AGV20000	None	30-Sep-19	S6E2DH5J0AGV2000A	30-Sep-19	Note 1
108	S6E2G28J0AGV20000	None	30-Sep-19	S6E2G28J0AGV2000A	30-Sep-19	Note 1
109	S6E2GM8H0AGV20000	None	30-Sep-19	S6E2GM8H0AGV2000A	30-Sep-19	Note 1
110	S6E2GM8J0AGV20000	None	30-Sep-19	S6E2GM8J0AGV2000A	30-Sep-19	Note 1
111	S6E2H44G0AGB30000	None	30-Sep-19	S6E2H44G0AGB3000A	30-Sep-19	Note 1
112	S6E2H46G0AGB30000	None	30-Sep-19	S6E2H46G0AGB3000A	30-Sep-19	Note 1
113	S6E2HE4G0AGB30000	None	30-Sep-19	S6E2HE4G0AGB3000A	30-Sep-19	Note 1
114	S6E2HE6G0AGB30000	None	30-Sep-19	S6E2HE6G0AGB3000A	30-Sep-19	Note 1
115	S6E2HG4G0AGB30000	None	30-Sep-19	S6E2HG4G0AGB3000A	30-Sep-19	Note 1
116	S6E2HG6G0AGB30000	None	30-Sep-19	S6E2HG6G0AGB3000A	30-Sep-19	Note 1
117	S71VS256RD0AHK400	1-Jan-20	29-Jun-20	None	4-Apr-16	
118	S71VS256RD0AHKC00	1-Jan-20	29-Jun-20	None	3-Jul-17	
119	SP270833418QAC01	None	30-Jun-19	None	30-Jun-19	Note 2

120	SP270833418QAC20	None	30-Jun-19	None	30-Jun-19	Note 2
121	SP360331718URJ	None	30-Jun-19	None	30-Jun-19	Note 2
122	SP360331718UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
123	SP3603Z008-P01	None	30-Jun-19	None	30-Jun-19	Note 2
124	SP3603Z008-P01-3011	None	30-Jun-19	None	30-Jun-19	Note 2
125	SP3603Z008-P01-3012	None	30-Jun-19	None	30-Jun-19	Note 2
126	SP3603Z008-P01-3013	None	30-Jun-19	None	30-Jun-19	Note 2
127	SP3603Z008-P01-3014	None	30-Jun-19	None	30-Jun-19	Note 2
128	SP3603Z008-P01-3015	None	30-Jun-19	None	30-Jun-19	Note 2
129	SP3603Z008-P01-3016	None	30-Jun-19	None	30-Jun-19	Note 2
130	SP3603Z008-P01-3017	None	30-Jun-19	None	30-Jun-19	Note 2
131	SP3603Z008-P01-3018	None	30-Jun-19	None	30-Jun-19	Note 2
132	SP3603Z008-P01-3019	None	30-Jun-19	None	30-Jun-19	Note 2
133	SP3603Z008-P01-3020	None	30-Jun-19	None	30-Jun-19	Note 2
134	SP3603Z008-P01-3021	None	30-Jun-19	None	30-Jun-19	Note 2
135	SP3603Z008-P01-M	None	30-Jun-19	None	30-Jun-19	Note 2
136	SP3603Z008-P03	None	30-Jun-19	None	30-Jun-19	Note 2
137	SP3603Z008-P03-3013	None	30-Jun-19	None	30-Jun-19	Note 2
138	SP3603Z008-P03-3014	None	30-Jun-19	None	30-Jun-19	Note 2
139	SP3603Z008-P03-3015	None	30-Jun-19	None	30-Jun-19	Note 2
140	SP3603Z008-P03-3016	None	30-Jun-19	None	30-Jun-19	Note 2
141	SP3603Z008-P03-3017	None	30-Jun-19	None	30-Jun-19	Note 2
142	SP3603Z008-P03-3018	None	30-Jun-19	None	30-Jun-19	Note 2
143	SP3603Z008-P03-3019	None	30-Jun-19	None	30-Jun-19	Note 2
144	SP3603Z008-P03-3020	None	30-Jun-19	None	30-Jun-19	Note 2
145	SP3603Z008-P03-3021	None	30-Jun-19	None	30-Jun-19	Note 2
146	SP3603Z008-P03-M	None	30-Jun-19	None	30-Jun-19	Note 2
147	SP3603Z008-P05-3013	None	30-Jun-19	None	30-Jun-19	Note 2
148	SP3603Z008-P05-3015	None	30-Jun-19	None	30-Jun-19	Note 2
149	SP3603Z008-P05-3016	None	30-Jun-19	None	30-Jun-19	Note 2
150	SP3603Z008-P05-3017	None	30-Jun-19	None	30-Jun-19	Note 2
151	SP3603Z008-P05-3018	None	30-Jun-19	None	30-Jun-19	Note 2
152	SP3603Z008-P05-3019	None	30-Jun-19	None	30-Jun-19	Note 2
153	SP3603Z008-P05-M	None	30-Jun-19	None	30-Jun-19	Note 2
154	SP3603Z008-P10-3013	None	30-Jun-19	None	30-Jun-19	Note 2
155	SP3603Z008-P10-3015	None	30-Jun-19	None	30-Jun-19	Note 2
156	SP3603Z008-P10-3016	None	30-Jun-19	None	30-Jun-19	Note 2
157	SP3603Z008-P10-3017	None	30-Jun-19	None	30-Jun-19	Note 2
158	SP3603Z008-P10-3018	None	30-Jun-19	None	30-Jun-19	Note 2
159	SP3603Z008-P10-3019	None	30-Jun-19	None	30-Jun-19	Note 2
160	SP3603Z008-P10-M	None	30-Jun-19	None	30-Jun-19	Note 2
161	SP3605Z008-P01-M	None	30-Jun-19	None	30-Jun-19	Note 2
162	SP3607Z008-P01	None	30-Jun-19	None	30-Jun-19	Note 2
163	SP3607Z008-P01-3010	None	30-Jun-19	None	30-Jun-19	Note 2
164	SP3607Z008-P01-3014	None	30-Jun-19	None	30-Jun-19	Note 2
165	SP3607Z008-P01-3015	None	30-Jun-19	None	30-Jun-19	Note 2
166	SP3607Z008-P01-3016	None	30-Jun-19	None	30-Jun-19	Note 2
167	SP3607Z008-P01-3017	None	30-Jun-19	None	30-Jun-19	Note 2
168	SP3607Z008-P01-3018	None	30-Jun-19	None	30-Jun-19	Note 2
169	SP3607Z008-P01-3019	None	30-Jun-19	None	30-Jun-19	Note 2
170	SP3607Z008-P01-3020	None	30-Jun-19	None	30-Jun-19	Note 2
171	SP3607Z008-P01-3021	None	30-Jun-19	None	30-Jun-19	Note 2
172	SP3607Z008-P01-3022	None	30-Jun-19	None	30-Jun-19	Note 2
173	SP3607Z008-P01-3023	None	30-Jun-19	None	30-Jun-19	Note 2
174	SP3607Z008-P01-3024	None	30-Jun-19	None	30-Jun-19	Note 2
175	SP3607Z008-P01-3025	None	30-Jun-19	None	30-Jun-19	Note 2
176	SP3607Z008-P01-3026	None	30-Jun-19	None	30-Jun-19	Note 2
177	SP3607Z008-P01-3027	None	30-Jun-19	None	30-Jun-19	Note 2
178	SP3607Z008-P01-703	None	30-Jun-19	None	30-Jun-19	Note 2
179	SP3607Z008-P01-M	None	30-Jun-19	None	30-Jun-19	Note 2

180	SP3607Z008-P03	None	30-Jun-19	None	30-Jun-19	Note 2
181	SP3607Z008-P03-3014	None	30-Jun-19	None	30-Jun-19	Note 2
182	SP3607Z008-P03-3018	None	30-Jun-19	None	30-Jun-19	Note 2
183	SP3607Z008-P03-3019	None	30-Jun-19	None	30-Jun-19	Note 2
184	SP3607Z008-P03-3020	None	30-Jun-19	None	30-Jun-19	Note 2
185	SP3607Z008-P03-3021	None	30-Jun-19	None	30-Jun-19	Note 2
186	SP3607Z008-P03-3022	None	30-Jun-19	None	30-Jun-19	Note 2
187	SP3607Z008-P03-3023	None	30-Jun-19	None	30-Jun-19	Note 2
188	SP3607Z008-P03-3024	None	30-Jun-19	None	30-Jun-19	Note 2
189	SP3607Z008-P03-3025	None	30-Jun-19	None	30-Jun-19	Note 2
190	SP3607Z008-P03-3026	None	30-Jun-19	None	30-Jun-19	Note 2
191	SP3607Z008-P03-3027	None	30-Jun-19	None	30-Jun-19	Note 2
192	SP3607Z008-P03-M	None	30-Jun-19	None	30-Jun-19	Note 2
193	SP3607Z008-P05	None	30-Jun-19	None	30-Jun-19	Note 2
194	SP3607Z008-P05-3018	None	30-Jun-19	None	30-Jun-19	Note 2
195	SP3607Z008-P05-3020	None	30-Jun-19	None	30-Jun-19	Note 2
196	SP3607Z008-P05-3021	None	30-Jun-19	None	30-Jun-19	Note 2
197	SP3607Z008-P05-3022	None	30-Jun-19	None	30-Jun-19	Note 2
198	SP3607Z008-P05-3023	None	30-Jun-19	None	30-Jun-19	Note 2
199	SP3607Z008-P05-3024	None	30-Jun-19	None	30-Jun-19	Note 2
200	SP3607Z008-P05-3025	None	30-Jun-19	None	30-Jun-19	Note 2
201	SP3607Z008-P05-3026	None	30-Jun-19	None	30-Jun-19	Note 2
202	SP3607Z008-P05-3027	None	30-Jun-19	None	30-Jun-19	Note 2
203	SP3607Z008-P05-M	None	30-Jun-19	None	30-Jun-19	Note 2
204	SP3607Z008-P10	None	30-Jun-19	None	30-Jun-19	Note 2
205	SP3607Z008-P10-3010	None	30-Jun-19	None	30-Jun-19	Note 2
206	SP3607Z008-P10-3017	None	30-Jun-19	None	30-Jun-19	Note 2
207	SP3607Z008-P10-3021	None	30-Jun-19	None	30-Jun-19	Note 2
208	SP3607Z008-P10-3022	None	30-Jun-19	None	30-Jun-19	Note 2
209	SP3607Z008-P10-3023	None	30-Jun-19	None	30-Jun-19	Note 2
210	SP3607Z008-P10-3024	None	30-Jun-19	None	30-Jun-19	Note 2
211	SP3607Z008-P10-3025	None	30-Jun-19	None	30-Jun-19	Note 2
212	SP3607Z008-P10-3026	None	30-Jun-19	None	30-Jun-19	Note 2
213	SP3607Z008-P10-3027	None	30-Jun-19	None	30-Jun-19	Note 2
214	SP3607Z008-P10-M	None	30-Jun-19	None	30-Jun-19	Note 2
215	SP360831118URC	None	30-Jun-19	None	30-Jun-19	Note 2
216	SP360831118UTC	None	30-Jun-19	None	30-Jun-19	Note 2
217	SP360831218URC	None	30-Jun-19	None	30-Jun-19	Note 2
218	SP360831218UTC	None	30-Jun-19	None	30-Jun-19	Note 2
219	SP360831318URC	None	30-Jun-19	None	30-Jun-19	Note 2
220	SP360831318URC-P10	None	30-Jun-19	None	30-Jun-19	Note 2
221	SP360831318UTC	None	30-Jun-19	None	30-Jun-19	Note 2
222	SP360831318UTC-P10	None	30-Jun-19	None	30-Jun-19	Note 2
223	SP360831818URJ	None	30-Jun-19	None	30-Jun-19	Note 2
224	SP360831818UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
225	SP3608P1Y18URC	None	30-Jun-19	None	30-Jun-19	Note 2
226	SP3608P1Z18URC	None	30-Jun-19	None	30-Jun-19	Note 2
227	SP365000218EVC	None	30-Jun-19	None	30-Jun-19	Note 2
228	SP365000218MAC	None	30-Jun-19	None	30-Jun-19	Note 2
229	SP365000218RCC	None	30-Jun-19	None	30-Jun-19	Note 2
230	SP365000318EVC	None	30-Jun-19	None	30-Jun-19	Note 2
231	SP365000318MAC	None	30-Jun-19	None	30-Jun-19	Note 2
232	SP365000318RCC	None	30-Jun-19	None	30-Jun-19	Note 2
233	SP365000418MAC	None	30-Jun-19	None	30-Jun-19	Note 2
234	SP365000418RCC	None	30-Jun-19	None	30-Jun-19	Note 2
235	SP365001518EVC	None	30-Jun-19	None	30-Jun-19	Note 2
236	SP365001518MAC	None	30-Jun-19	None	30-Jun-19	Note 2
237	SP365001518RCC	None	30-Jun-19	None	30-Jun-19	Note 2
238	SP365002918URJ	None	30-Jun-19	None	30-Jun-19	Note 2
239	SP365002918UTJ	None	30-Jun-19	None	30-Jun-19	Note 2

300	SP365030118QDC07	None	30-Jun-19	None	30-Jun-19	Note 2
301	SP365030118QDC08	None	30-Jun-19	None	30-Jun-19	Note 2
302	SP365030118QDC09	None	30-Jun-19	None	30-Jun-19	Note 2
303	SP365030118QDC10	None	30-Jun-19	None	30-Jun-19	Note 2
304	SP365030118QDC11	None	30-Jun-19	None	30-Jun-19	Note 2
305	SP365030118QDC12	None	30-Jun-19	None	30-Jun-19	Note 2
306	SP365030118QDC13	None	30-Jun-19	None	30-Jun-19	Note 2
307	SP365030118QDC14	None	30-Jun-19	None	30-Jun-19	Note 2
308	SP365030118QDC15	None	30-Jun-19	None	30-Jun-19	Note 2
309	SP365032118URJ	None	30-Jun-19	None	30-Jun-19	Note 2
310	SP365032118URJ-P10	None	30-Jun-19	None	30-Jun-19	Note 2
311	SP365032118UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
312	SP365032118UTJ-P10	None	30-Jun-19	None	30-Jun-19	Note 2
313	SP365032718URC	None	30-Jun-19	None	30-Jun-19	Note 2
314	SP365032918URJ	None	30-Jun-19	None	30-Jun-19	Note 2
315	SP365032918UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
316	SP365033018URJ	None	30-Jun-19	None	30-Jun-19	Note 2
317	SP365033018UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
318	SP365033118URJ	None	30-Jun-19	None	30-Jun-19	Note 2
319	SP365033118UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
320	SP365033218URJ	None	30-Jun-19	None	30-Jun-19	Note 2
321	SP365033218UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
322	SP365033918URC	None	30-Jun-19	None	30-Jun-19	Note 2
323	SP365033918URC-P10	None	30-Jun-19	None	30-Jun-19	Note 2
324	SP365033918UTC	None	30-Jun-19	None	30-Jun-19	Note 2
325	SP365033918UTC-P10	None	30-Jun-19	None	30-Jun-19	Note 2
326	SP3650P1218EVC	None	30-Jun-19	None	30-Jun-19	Note 2
327	SP3650P1218MAC	None	30-Jun-19	None	30-Jun-19	Note 2
328	SP3650P1218RCC	None	30-Jun-19	None	30-Jun-19	Note 2
329	SP3650P1W18URC	None	30-Jun-19	None	30-Jun-19	Note 2
330	SP3650P2J10MAC	None	30-Jun-19	None	30-Jun-19	Note 2
331	SP366032418MAC	None	30-Jun-19	None	30-Jun-19	Note 2
332	SP366032418MBC	None	30-Jun-19	None	30-Jun-19	Note 2
333	SP366032418MCC	None	30-Jun-19	None	30-Jun-19	Note 2
334	SP366032418MDC	None	30-Jun-19	None	30-Jun-19	Note 2
335	SP366032418QAC	None	30-Jun-19	None	30-Jun-19	Note 2
336	SP366032418QAC01	None	30-Jun-19	None	30-Jun-19	Note 2
337	SP366032418QBC	None	30-Jun-19	None	30-Jun-19	Note 2
338	SP366032418QBC01	None	30-Jun-19	None	30-Jun-19	Note 2
339	SP366032418QCC	None	30-Jun-19	None	30-Jun-19	Note 2
340	SP366032418QCC01	None	30-Jun-19	None	30-Jun-19	Note 2
341	SP366032418QDC	None	30-Jun-19	None	30-Jun-19	Note 2
342	SP366032418QDC01	None	30-Jun-19	None	30-Jun-19	Note 2
343	SP3660Z058-P01-5008	None	30-Jun-19	None	30-Jun-19	Note 2
344	SP366232518URJ	None	30-Jun-19	None	30-Jun-19	Note 2
345	SP366232518UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
346	SP366531618URJ	None	30-Jun-19	None	30-Jun-19	Note 2
347	SP366531618UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
348	SP366532818URJ	None	30-Jun-19	None	30-Jun-19	Note 2
349	SP366532818UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
350	SP368001918EVC	None	30-Jun-19	None	30-Jun-19	Note 2
351	SP368001918RCC	None	30-Jun-19	None	30-Jun-19	Note 2
352	SP368001928EVC	None	30-Jun-19	None	30-Jun-19	Note 2
353	SP368001928RCC	None	30-Jun-19	None	30-Jun-19	Note 2
354	SP368001928RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
355	SP368001928RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
356	SP368002018EVC	None	30-Jun-19	None	30-Jun-19	Note 2
357	SP368002018RCC	None	30-Jun-19	None	30-Jun-19	Note 2
358	SP368002028RCC	None	30-Jun-19	None	30-Jun-19	Note 2
359	SP368002028RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2

360	SP368002028RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
361	SP368003018RCC	None	30-Jun-19	None	30-Jun-19	Note 2
362	SP368003018RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
363	SP368003018RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
364	SP368003118RCC	None	30-Jun-19	None	30-Jun-19	Note 2
365	SP368003118RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
366	SP368003118RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
367	SP368003218RCC	None	30-Jun-19	None	30-Jun-19	Note 2
368	SP368003218RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
369	SP368003218RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
370	SP368003318RCC	None	30-Jun-19	None	30-Jun-19	Note 2
371	SP368003318RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
372	SP368003318RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
373	SP3680P0L18EVC	None	30-Jun-19	None	30-Jun-19	Note 2
374	SP3680P0L18MAC	None	30-Jun-19	None	30-Jun-19	Note 2
375	SP3680P0L18QAC	None	30-Jun-19	None	30-Jun-19	Note 2
376	SP3680P0M18EVC	None	30-Jun-19	None	30-Jun-19	Note 2
377	SP3680P0M18MAC	None	30-Jun-19	None	30-Jun-19	Note 2
378	SP3680P0M18QAC	None	30-Jun-19	None	30-Jun-19	Note 2
379	SP3680P0N18EVC	None	30-Jun-19	None	30-Jun-19	Note 2
380	SP3680P0N18MAC	None	30-Jun-19	None	30-Jun-19	Note 2
381	SP3680P0N18QAC	None	30-Jun-19	None	30-Jun-19	Note 2
382	SP3680P1218EVC	None	30-Jun-19	None	30-Jun-19	Note 2
383	SP3680P1218MAC	None	30-Jun-19	None	30-Jun-19	Note 2
384	SP3680P1218RCC	None	30-Jun-19	None	30-Jun-19	Note 2
385	SP3680P1228EVC	None	30-Jun-19	None	30-Jun-19	Note 2
386	SP3680P1228MAC	None	30-Jun-19	None	30-Jun-19	Note 2
387	SP3680P1228MAC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
388	SP3680P1228MAC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
389	SP3680P1228RCC	None	30-Jun-19	None	30-Jun-19	Note 2
390	SP3680P1228RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
391	SP3680P1228RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
392	SP3680P1618EVC	None	30-Jun-19	None	30-Jun-19	Note 2
393	SP3680P1618MAC	None	30-Jun-19	None	30-Jun-19	Note 2
394	SP3680P1618MAC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
395	SP3680P1618MAC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
396	SP3680P1618RCC	None	30-Jun-19	None	30-Jun-19	Note 2
397	SP3680P1618RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
398	SP3680P1618RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
399	SP3680P1718EVC	None	30-Jun-19	None	30-Jun-19	Note 2
400	SP3680P1718MAC	None	30-Jun-19	None	30-Jun-19	Note 2
401	SP3680P1718MAC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
402	SP3680P1718MAC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
403	SP3680P1718RCC	None	30-Jun-19	None	30-Jun-19	Note 2
404	SP3680P1718RCC-01K	None	30-Jun-19	None	30-Jun-19	Note 2
405	SP3680P1718RCC-10K	None	30-Jun-19	None	30-Jun-19	Note 2
406	SP405001318URJ	None	30-Jun-19	None	30-Jun-19	Note 2
407	SP405032618URJ	None	30-Jun-19	None	30-Jun-19	Note 2
408	SP405032618UTJ	None	30-Jun-19	None	30-Jun-19	Note 2
409	SP406031518MAC	None	30-Jun-19	None	30-Jun-19	Note 2
410	SP406031518QAC	None	30-Jun-19	None	30-Jun-19	Note 2
411	SP406031518QAC01	None	30-Jun-19	None	30-Jun-19	Note 2