



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

PRODUCT TERMINATION NOTIFICATION

PTN: PTN175005A

Date: March 08, 2018

Subject: Addendum to PTN175005 - January 2018 Product Obsolescence Notification

To:

Product Obsolescence Information:

The purpose of this addendum is to correct the Last Time Buy (LTB) dates provided and communicated in PTN175005 for the affected parts that were discontinued at ChipMOS in 2017. The original PTN incorrectly identified the LTB date as December 2018. Correct LTB date is December 2017 as the parts can no longer be manufactured. The corrected parts are highlighted in the attached affected parts list.

Cypress announces 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 table. 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.

The part listed as the "Drop-In Replacement" will perform the same task but with improved or revised technology.

Note 1: The affected part on the attached list, identified with "Note 1" is being shut down as the SnPb finish used to build the affected part is being discontinued at ChipMOS at the end of 2017 based on a government regulation.

Part Numbers Affected: 373

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

Qualification Status:

Replacement devices have been previously qualified, unless specifically noted.

Sample Status:

Samples of replacement and substitute products shown in the attachment are available. Please contact your local sales representative to place sample requests.

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
P.K. Sidharth	US	1-719-481-7219	ksi@cypress.com	SRAMs, Dual Ports, and Clocks
Amy Chen	US	1-425-787-4898	amyc@cypress.com	True Touch, Capsense Plus, PSoC
David Solda	US	1-408-544-1639	dso@cypress.com	Trackpad Modules
Nikhil Bagri	US	1-408-545-9866	nfb@cypress.com	NAND; Parallel NOR FLASH
Ajit Uppur Kukkilaya	US	1-408-456-1872	ajit@cypress.com	USB, CCG, Phys
John DaCosta	US	1-408-545-9886	jdjd@cypress.com	Wireless, IoT

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Item Catalog Category	Last Time Buy Date	Last Time Ship Date	Drop In Replacement Part	Next Best Alternative Part	Notes
1	122005	Nor	4-Jul-18	31-Dec-18	None	None	
4	4347153	Nor	4-Jul-18	31-Dec-18	None	None	
5	4347194	Nor	4-Jul-18	31-Dec-18	None	None	
6	4347503	Nor	4-Jul-18	31-Dec-18	None	None	
7	4347553	Nor	4-Jul-18	31-Dec-18	None	None	
8	9021931	Nor	4-Jul-18	31-Dec-18	None	None	
9	9021982	Nor	4-Jul-18	31-Dec-18	None	None	
2	00002331896	Nor	3-Oct-18	1-Jul-19	None	None	
3	00002444259	Nor	3-Oct-18	1-Jul-19	None	None	
11	051AL016J70TFI020	Nor	3-Oct-18	1-Jul-19	None	None	
12	1072732-00-A	Nor	3-Oct-18	1-Jul-19	None	None	
13	28093465 A	Nor	4-Jul-18	31-Dec-18	None	None	
14	28503869 A	Nor	3-Oct-18	1-Jul-19	None	None	
15	342-00474	Nor	4-Jul-18	31-Dec-18	None	None	
16	40-1036-01	Nor	4-Jul-18	31-Dec-18	None	None	
17	524313-006-00	Nor	4-Jul-18	31-Dec-18	None	None	
18	524313-026-00	Nor	4-Jul-18	31-Dec-18	None	None	
19	525905-013-00	Nor	4-Jul-18	31-Dec-18	None	None	
20	527243-006-00	Nor	4-Jul-18	31-Dec-18	None	None	
21	552930-002-00	Nor	4-Jul-18	31-Dec-18	None	None	
22	555312-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
23	559861-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
24	568760-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
25	575-A0020-02	Nor	4-Jul-18	31-Dec-18	None	None	
26	575-A0125-10	Nor	4-Jul-18	31-Dec-18	None	None	
27	579287-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
28	580970-002-00	Nor	4-Jul-18	31-Dec-18	None	None	
29	584271-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
30	584271-003-00	Nor	4-Jul-18	31-Dec-18	None	None	
31	585600-006-00	Nor	4-Jul-18	31-Dec-18	None	None	
32	586228-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
33	588127-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
34	589286-002-00	Nor	4-Jul-18	31-Dec-18	None	None	
35	589286-003-00	Nor	4-Jul-18	31-Dec-18	None	None	
36	589994-001-00	Nand	4-Jul-18	31-Dec-18	None	None	
37	591289-001-00	Nand	4-Jul-18	31-Dec-18	None	None	
38	591289-002-00	Nand	4-Jul-18	31-Dec-18	None	None	
39	591289-004-00	Nand	4-Jul-18	31-Dec-18	None	None	
40	592575-001-00	Nor	4-Jul-18	31-Dec-18	None	None	
41	593153-001-00	Nand	4-Jul-18	31-Dec-18	None	None	
42	593153-001-69	Nand	4-Jul-18	31-Dec-18	None	None	
43	593614-001-00	Nand	4-Jul-18	31-Dec-18	None	None	
44	593995-001-00	Nand	4-Jul-18	31-Dec-18	None	None	
45	593995-002-00	Nand	4-Jul-18	31-Dec-18	None	None	
46	593995-002-38	Nand	4-Jul-18	31-Dec-18	None	None	
47	593995-003-38	Nand	4-Jul-18	31-Dec-18	None	None	
48	593995-005-69	Nand	4-Jul-18	31-Dec-18	None	None	
49	8611200245-01	Nor	3-Oct-18	1-Jul-19	None	None	
50	8928919956-01	Nor	3-Oct-18	1-Jul-19	None	None	
10	8945135724	Nor	3-Oct-18	1-Jul-19	None	None	
51	CG7261AT	Micropower SRAMs	3-Oct-18	1-Jul-19	None	None	
52	CG7261ATT	Micropower SRAMs	3-Oct-18	1-Jul-19	None	None	
53	CG7380AM	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
54	CG7381DM	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
55	CG7427AA	Micropower SRAMs	3-Oct-18	1-Jul-19	None	None	
56	CG7427AAT	Micropower SRAMs	3-Oct-18	1-Jul-19	None	None	
57	CG7717AM	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
58	CG7961AF	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
59	CG7987AF	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
60	CG8423AM	PRoC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
61	CG8458AT	PRoC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
62	CG8458ATT	PRoC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
63	CG8463AT	PRoC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
64	CG8463ATT	PRoC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
65	CG8674AAT	WICED Wi-Fi/Bluetooth Combos	4-Jul-18	31-Dec-18	None	None	
66	CP7488CT	TrueTouch	3-Oct-18	1-Jul-19	CP7488DT	None	
67	CP7488CTT	TrueTouch	3-Oct-18	1-Jul-19	CP7488DTT	None	
68	CP7709AT	TrueTouch	3-Oct-18	1-Jul-19	None	None	
69	CP7709ATT	TrueTouch	3-Oct-18	1-Jul-19	None	None	
70	CP7709HT	TrueTouch	3-Oct-18	1-Jul-19	CP7709KT	None	
71	CP7709HTT	TrueTouch	3-Oct-18	1-Jul-19	CP7709KTT	None	
72	CP7709IT	TrueTouch	3-Oct-18	1-Jul-19	CP7709LT	None	
73	CP7709ITT	TrueTouch	3-Oct-18	1-Jul-19	CP7709LTT	None	
74	CP7915CT	TrueTouch	3-Oct-18	1-Jul-19	CP7915FT	None	
75	CP7915CTT	TrueTouch	3-Oct-18	1-Jul-19	CP7915FTT	None	
76	CP8459ATT	PRoC BLE	4-Jul-18	31-Dec-18	CY8C4247FNI-BL483T	None	

77	CP8545ATT	PSoC4	4-Jul-18	31-Dec-18	CY8C4014FNI-421AT	None	
78	CP8645ATT	PSoC4	4-Jul-18	31-Dec-18	CY8C4014FNI-421AT	None	
79	CP8655ATT	PSoC4	4-Jul-18	31-Dec-18	CY8C4014FNI-421AT	None	
80	CP8CTMG240-FNC-01T	CapSensePLUS	4-Jul-18	31-Dec-18	None	None	
81	CP8CTST241-FNC-01T	CapSensePLUS	4-Jul-18	31-Dec-18	None	None	
82	CP8CTST242-FNC-01T	CapSensePLUS	4-Jul-18	31-Dec-18	None	None	
83	CS5242CM	Async SRAMS	4-Jul-18	31-Dec-18	None	None	
84	CS7336AAT	CapSense	2-Jan-19	27-Apr-20	None	None	
85	CS8399ATT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247FNI-BL483T	None	
86	CS8541AM	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
87	CS8541AMT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
88	CS8687AM	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
89	CS8687AMT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
90	CS8711AM	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583T	None	
91	CS8711AMT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583T	None	
92	CY62256NLL-55SNXE	Micropower SRAMS	3-Oct-18	1-Jul-19	None	None	
93	CY62256NLL-55SNXET	Micropower SRAMS	3-Oct-18	1-Jul-19	None	None	
94	CY62256NLL-55SNXI	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
95	CY62256NLL-55SNXIT	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
96	CY62256NLL-70SNXA	Micropower SRAMS	3-Oct-18	1-Jul-19	None	None	
97	CY62256NLL-70SNXAT	Micropower SRAMS	3-Oct-18	1-Jul-19	None	None	
98	CY62256NLL-70SNXC	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
99	CY62256NLL-70SNXCT	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
100	CY62256VNLL-70SNXI	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
101	CY62256VNLL-70SNXIT	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
102	CY62256VNLL-70ZRXI	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
103	CY62256VNLL-70ZRKIT	Micropower SRAMS	4-Jul-18	31-Dec-18	None	None	
104	CY7C09389V-9AI	Dual-Ports SRAMS	4-Jul-18	31-Dec-18	None	None	
105	CY7C1021CV33-12VXE	Async SRAMS	3-Oct-18	1-Jul-19	None	None	
106	CY7C1021CV33-12VXET	Async SRAMS	3-Oct-18	1-Jul-19	None	None	
107	CY7C67300-100AXA	USB Embedded Hosts	3-Oct-18	1-Jul-19	None	None	
108	CY7C67300-100AXAT	USB Embedded Hosts	3-Oct-18	1-Jul-19	None	None	
109	CY7C68320C-100AXA	USB High-Speed Peripherals	3-Oct-18	1-Jul-19	None	None	
110	CY7C68320C-100AXAT	USB High-Speed Peripherals	3-Oct-18	1-Jul-19	None	None	
111	CY8C4014FNI-421T	PSoC4	4-Jul-18	31-Dec-18	CY8C4014FNI-421AT	None	
112	CY8C4246FNI-D412T	PSoC4	4-Jul-18	31-Dec-18	None	None	
113	CY8CTMA616LTI-13	PSoC3	4-Jul-18	31-Dec-18	None	None	
114	CY8CTMA616LTI-13T	PSoC3	4-Jul-18	31-Dec-18	None	None	
115	CY8CTMA884LTI-13	PSoC3	3-Oct-18	30-Sep-19	None	None	
116	CY8CTMA884LTI-13T	PSoC3	3-Oct-18	30-Sep-19	None	None	
117	CYBL10161-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
118	CYBL10161-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
119	CYBL10162-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
120	CYBL10162-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
121	CYBL10163-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
122	CYBL10163-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
123	CYBL10461-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
124	CYBL10461-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
125	CYBL10462-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
126	CYBL10462-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
127	CYBL10463-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
128	CYBL10463-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
129	CYBL10561-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
130	CYBL10561-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
131	CYBL10562-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
132	CYBL10562-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
133	CYBL10563-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
134	CYBL10563-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
135	CYBL10563-68FLXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247FLI-BL493T	None	
136	CYBL10563-68FNXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247FNI-BL483T	None	
137	CYBL10573-56LQXI	ProC BLE	3-Oct-18	30-Sep-19	CY8C4248LQI-BL483	None	
138	CYBL10573-56LQXIT	ProC BLE	3-Oct-18	30-Sep-19	CY8C4248LQI-BL483	None	
139	CYBL10573-76FNXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248FNI-BL483T	None	
140	CYBL10999-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
141	CYBL10999-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4247LQI-BL483	None	
142	CYBL11171-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
143	CYBL11171-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
144	CYBL11172-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
145	CYBL11172-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
146	CYBL11473-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
147	CYBL11473-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
148	CYBL11573-56LQXI	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
149	CYBL11573-56LQXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248LQI-BL583	None	
150	CYBL11573-76FLXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248FLI-BL583T	None	
151	CYBL11573-76FNXIT	ProC BLE	4-Jul-18	31-Dec-18	CY8C4248FNI-BL583T	None	
152	CYRF69103-40LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
153	CYRF69213-40LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
154	CYRF69303-40LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	

155	CYRF6936-40LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
156	CYRF6936B-40LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
157	CYRF6936-XC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
158	CYRF6986-40LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
159	CYRF89135-68LTXC	Wireless Capacitive Touch	4-Jul-18	31-Dec-18	None	None	
160	CYRF89235-40LTXC	Wireless Capacitive Touch	4-Jul-18	31-Dec-18	None	None	
161	CYRF8935A-24LQXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
162	CYRF8935A-4X14C	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
163	CYRF89435-40LTXC	Wireless Capacitive Touch	4-Jul-18	31-Dec-18	None	None	
164	CYRF89435-68LTXC	Wireless Capacitive Touch	4-Jul-18	31-Dec-18	None	None	
165	CYRF89535-68LTXC	Wireless Capacitive Touch	4-Jul-18	31-Dec-18	None	None	
166	CYRF9935-24LQXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
167	CYW43596XKUBGT	WICED Wi-Fi/Bluetooth Combos	4-Jul-18	31-Dec-18	None	None	
168	CYW43596XKWBG	WICED Wi-Fi/Bluetooth Combos	4-Jul-18	31-Dec-18	None	None	
169	CYWUSB6934-48LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
170	CYWUSB6935-48LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
171	CYWUSB6935-48LTXI	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
172	CYWUSB6953-48LTXC	RF Transceivers	4-Jul-18	31-Dec-18	None	None	
173	FM25640B-G2	F-RAM Memory Serial	4-Jul-18	31-Dec-18	None	None	
174	FM25640B-G2TR	F-RAM Memory Serial	4-Jul-18	31-Dec-18	None	None	
175	MB44C032PLS-G-ERE1	Analog	4-Jul-18	31-Dec-18	None	None	
176	MSP14LV164-E1-TH-001	Nor	4-Jul-18	31-Dec-18	None	None	
177	MSP17LV324-E1-TJ-001	Nor	4-Jul-18	31-Dec-18	None	None	
178	P770012CF8C000	Nor	3-Oct-18	1-Jul-19	None	None	
179	S29AL008J70BFIC20E	Nor	3-Oct-18	1-Jul-19	None	None	
180	S29AL008J70WHI029	Nor	4-Jul-18	31-Dec-18	None	None	
181	S29AL008J70WHN019	Nor	3-Oct-18	1-Jul-19	None	None	
182	S29AL008J70WHN029	Nor	3-Oct-18	1-Jul-19	None	None	
183	S29AL008J70YEI019	Nor	4-Jul-18	31-Dec-18	None	None	
184	S29AL008J70YEI019G	Nor	4-Jul-18	31-Dec-18	None	None	
185	S29AL008J70YEI029	Nor	4-Jul-18	31-Dec-18	None	None	
186	S29AL016J50BFIA20A	Nor	4-Jul-18	31-Dec-18	None	None	
187	S29AL016J55GTIR27G	Nor	4-Jul-18	31-Dec-18	None	None	
188	S29AL016J70BFID20B	Nor	4-Jul-18	31-Dec-18	None	None	
189	S29AL016J70WEI029	Nor	4-Jul-18	31-Dec-18	None	None	
190	S29CD016J0MQAM010	Nor	18-Dec-17	1-Jul-19	None	None	1
191	S29CD016J0PQAM013	Nor	18-Dec-17	1-Jul-19	None	None	1
192	S29CD016J0PQAM113	Nor	18-Dec-17	1-Jul-19	None	None	1
193	S29CL032J0JQAI000	Nor	18-Dec-17	31-Dec-18	None	None	1
194	S29CL032J0RQAI030	Nor	18-Dec-17	31-Dec-18	None	None	1
195	S29PL032J55BF120E	Nor	4-Jul-18	31-Dec-18	None	None	
196	S29PL032J60BF123E	Nor	4-Jul-18	31-Dec-18	None	None	
197	S29PL032J70BFID20E	Nor	4-Jul-18	31-Dec-18	None	None	
198	S29PL064J60BF1120E	Nor	4-Jul-18	31-Dec-18	None	None	
199	S29PL064J60BFID20E	Nor	4-Jul-18	31-Dec-18	None	None	
200	S29PL064J70BF1120E	Nor	4-Jul-18	31-Dec-18	None	None	
201	S29PL127J60BAI000E	Nor	4-Jul-18	31-Dec-18	None	None	
202	S29PL127J60BF1000E	Nor	4-Jul-18	31-Dec-18	None	None	
203	S29PL127J60BFID00E	Nor	4-Jul-18	31-Dec-18	None	None	
204	S29PL127J70BAW020E	Nor	4-Jul-18	31-Dec-18	None	None	
205	S29PL127J70BF1000E	Nor	4-Jul-18	31-Dec-18	None	None	
206	S29WS128N0PBFW010E	Nor	4-Jul-18	31-Dec-18	None	None	
207	S34MS04G204WFI019	Nand	4-Jul-18	31-Dec-18	None	None	
208	S34MS08G201BHV003	Nand	4-Jul-18	31-Dec-18	None	None	
209	S70GL02GR00FHCA0E	Nor	4-Jul-18	31-Dec-18	None	None	
210	S70GL04GR00FHCA0E	Nor	4-Jul-18	31-Dec-18	None	None	
211	S98WS512NOGFW0090E	Nor	4-Jul-18	31-Dec-18	None	None	
212	S98WS512NOGFW0130E	Nor	4-Jul-18	31-Dec-18	None	None	
213	S99410081	Nand	4-Jul-18	31-Dec-18	None	None	
214	S99-50198-LF	Nor	4-Jul-18	31-Dec-18	None	None	
215	S99-50200	Nor	4-Jul-18	31-Dec-18	None	None	
216	S99-50200-LF	Nor	4-Jul-18	31-Dec-18	None	None	
217	S99-50222	Nor	4-Jul-18	31-Dec-18	None	None	
218	S99-50227	Nor	4-Jul-18	31-Dec-18	None	None	
219	S99-50251	Nor	4-Jul-18	31-Dec-18	None	None	
220	S99-50254	Nor	4-Jul-18	31-Dec-18	None	None	
221	S99-50256	Nor	4-Jul-18	31-Dec-18	None	None	
222	S99-50257	Nor	4-Jul-18	31-Dec-18	None	None	
223	S99-50258	Nor	4-Jul-18	31-Dec-18	None	None	
224	S99-50259	Nor	4-Jul-18	31-Dec-18	None	None	
225	S99-50260	Nor	4-Jul-18	31-Dec-18	None	None	
226	S99-50261	Nor	4-Jul-18	31-Dec-18	None	None	
227	S99-50268	Nor	4-Jul-18	31-Dec-18	None	None	
228	S99-50269	Nor	4-Jul-18	31-Dec-18	None	None	
229	S99-50273	Nor	4-Jul-18	31-Dec-18	None	None	
230	S99-50291-T	Nor	4-Jul-18	31-Dec-18	None	None	
231	S99-50292	Nor	4-Jul-18	31-Dec-18	None	None	
232	S99-50292-T	Nor	4-Jul-18	31-Dec-18	None	None	

233	S99-50294	Nor	4-Jul-18	31-Dec-18	None	None	
234	S99-50344	Nor	4-Jul-18	31-Dec-18	None	None	
235	S99-50351	Nor	4-Jul-18	31-Dec-18	None	None	
236	S99-50352	Nor	4-Jul-18	31-Dec-18	None	None	
237	S99-50353	Nor	4-Jul-18	31-Dec-18	None	None	
238	S99-50356	Nor	4-Jul-18	31-Dec-18	None	None	
239	S99-50358	Nand	4-Jul-18	31-Dec-18	None	None	
240	S99-50359	Nor	4-Jul-18	31-Dec-18	None	None	
241	S99-50360	Nor	4-Jul-18	31-Dec-18	None	None	
242	S99-50367	Nor	4-Jul-18	31-Dec-18	None	None	
243	S99-50399	Nor	4-Jul-18	31-Dec-18	None	None	
244	S99-50406	Nor	4-Jul-18	31-Dec-18	None	None	
245	S99-50416	Nor	4-Jul-18	31-Dec-18	None	None	
246	S99-50420	Nor	4-Jul-18	31-Dec-18	None	None	
247	S99-50425	Nor	4-Jul-18	31-Dec-18	None	None	
248	S99-50426	Nor	4-Jul-18	31-Dec-18	None	None	
249	S99-50457	Nor	4-Jul-18	31-Dec-18	None	None	
250	S99-50479	Nor	4-Jul-18	31-Dec-18	None	None	
251	S99AL008J0230	Nor	4-Jul-18	31-Dec-18	None	None	
252	S99AL008J0250	Nor	4-Jul-18	31-Dec-18	None	None	
253	S99AL008J0300	Nor	3-Oct-18	1-Jul-19	None	None	
254	S99AL008J0313	Nor	3-Oct-18	1-Jul-19	None	None	
255	S99AL008J0320	Nor	4-Jul-18	31-Dec-18	None	None	
256	S99AL008J0330	Nor	4-Jul-18	31-Dec-18	None	None	
257	S99AL008J0340	Nor	4-Jul-18	31-Dec-18	None	None	
258	S99AL008J0350	Nor	4-Jul-18	31-Dec-18	None	None	
259	S99AL016J0017	Nor	4-Jul-18	31-Dec-18	None	None	
260	S99AL016J0109	Nor	4-Jul-18	31-Dec-18	None	None	
261	S99AL016J0190	Nor	4-Jul-18	31-Dec-18	None	None	
262	S99AL016J0230	Nor	4-Jul-18	31-Dec-18	None	None	
263	S99AL016J0240	Nor	4-Jul-18	31-Dec-18	None	None	
264	S99AL016J0250	Nor	3-Oct-18	1-Jul-19	None	None	
265	S99AL016J0263	Nor	3-Oct-18	1-Jul-19	None	None	
266	S99AL016J0270	Nor	4-Jul-18	31-Dec-18	None	None	
267	S99AL016J0280	Nor	4-Jul-18	31-Dec-18	None	None	
268	S99AS016J0020	Nor	4-Jul-18	31-Dec-18	None	None	
269	S99FL128S0000	Nor	4-Jul-18	31-Dec-18	None	None	
270	S99FL128S0001	Nor	4-Jul-18	31-Dec-18	None	None	
271	S99FL128S0003	Nor	4-Jul-18	31-Dec-18	None	None	
272	S99FL128SM001	Nor	4-Jul-18	31-Dec-18	None	None	
273	S99FL256S0000	Nor	4-Jul-18	31-Dec-18	None	None	
274	S99FL256S0001	Nor	4-Jul-18	31-Dec-18	None	None	
275	S99FL256S0003	Nor	4-Jul-18	31-Dec-18	None	None	
276	S99FL256SAGMFIR00	Nor	4-Jul-18	31-Dec-18	None	None	
277	S99FL256SAGMFIR01	Nor	4-Jul-18	31-Dec-18	None	None	
278	S99FL256SAGMFIR03	Nor	4-Jul-18	31-Dec-18	None	None	
279	S99FL512SAGMFIR10	Nor	4-Jul-18	31-Dec-18	None	None	
280	S99FL512SAGMFIR11	Nor	4-Jul-18	31-Dec-18	None	None	
281	S99FL512SAGMFIR13	Nor	4-Jul-18	31-Dec-18	None	None	
282	S99GL01GS0010	Nor	4-Jul-18	31-Dec-18	None	None	
283	S99GL01GS0020	Nor	4-Jul-18	31-Dec-18	None	None	
284	S99GL01GS0030	Nor	4-Jul-18	31-Dec-18	None	None	
285	S99GL01GS0050	Nor	4-Jul-18	31-Dec-18	None	None	
286	S99GL032N0050	Nor	4-Jul-18	31-Dec-18	None	None	
287	S99GL032N0070	Nor	4-Jul-18	31-Dec-18	None	None	
288	S99GL032N0090	Nor	4-Jul-18	31-Dec-18	None	None	
289	S99GL032N0100	Nor	4-Jul-18	31-Dec-18	None	None	
290	S99GL032N0110	Nor	4-Jul-18	31-Dec-18	None	None	
291	S99GL032N0120	Nor	4-Jul-18	31-Dec-18	None	None	
292	S99GL064N0060	Nor	4-Jul-18	31-Dec-18	None	None	
293	S99GL064N0080	Nor	4-Jul-18	31-Dec-18	None	None	
294	S99GL064N0110	Nor	4-Jul-18	31-Dec-18	None	None	
295	S99GL064N0120	Nor	4-Jul-18	31-Dec-18	None	None	
296	S99GL064N0130	Nor	4-Jul-18	31-Dec-18	None	None	
297	S99GL064N0140	Nor	4-Jul-18	31-Dec-18	None	None	
298	S99GL064N0160	Nor	4-Jul-18	31-Dec-18	None	None	
299	S99GL064N0170	Nor	4-Jul-18	31-Dec-18	None	None	
300	S99GL064N0180	Nor	4-Jul-18	31-Dec-18	None	None	
301	S99GL128P0030	Nor	4-Jul-18	31-Dec-18	None	None	
302	S99GL128P0040	Nor	4-Jul-18	31-Dec-18	None	None	
303	S99GL128P0050	Nor	4-Jul-18	31-Dec-18	None	None	
304	S99GL128P0060	Nor	4-Jul-18	31-Dec-18	None	None	
305	S99GL128P0070	Nor	4-Jul-18	31-Dec-18	None	None	
306	S99GL128P0080	Nor	4-Jul-18	31-Dec-18	None	None	
307	S99GL128P0090	Nor	4-Jul-18	31-Dec-18	None	None	
308	S99GL128P0100	Nor	4-Jul-18	31-Dec-18	None	None	
309	S99GL128P0110	Nor	4-Jul-18	31-Dec-18	None	None	
310	S99GL128P0120	Nor	4-Jul-18	31-Dec-18	None	None	

311	S99GL128P0130	Nor	4-Jul-18	31-Dec-18	None	None	
312	S99GL128P0140	Nor	4-Jul-18	31-Dec-18	None	None	
313	S99GL128P0150	Nor	4-Jul-18	31-Dec-18	None	None	
314	S99GL128P0160	Nor	4-Jul-18	31-Dec-18	None	None	
315	S99GL128S0010	Nor	4-Jul-18	31-Dec-18	None	None	
316	S99GL128S0043	Nor	4-Jul-18	31-Dec-18	None	None	
317	S99GL128S0060	Nor	4-Jul-18	31-Dec-18	None	None	
318	S99GL128S0090	Nor	4-Jul-18	31-Dec-18	None	None	
319	S99GL256P0020	Nor	4-Jul-18	31-Dec-18	None	None	
320	S99GL256P0030	Nor	4-Jul-18	31-Dec-18	None	None	
321	S99GL256P0040	Nor	4-Jul-18	31-Dec-18	None	None	
322	S99GL256P0050	Nor	4-Jul-18	31-Dec-18	None	None	
323	S99GL256P0060	Nor	4-Jul-18	31-Dec-18	None	None	
324	S99GL256P0070	Nor	4-Jul-18	31-Dec-18	None	None	
325	S99GL256P0080	Nor	4-Jul-18	31-Dec-18	None	None	
326	S99GL256P0090	Nor	4-Jul-18	31-Dec-18	None	None	
327	S99GL256P0100	Nor	4-Jul-18	31-Dec-18	None	None	
328	S99GL256P0110	Nor	4-Jul-18	31-Dec-18	None	None	
329	S99GL256S0010	Nor	4-Jul-18	31-Dec-18	None	None	
330	S99GL256S0030	Nor	4-Jul-18	31-Dec-18	None	None	
331	S99GL256S0070	Nor	4-Jul-18	31-Dec-18	None	None	
332	S99GL512S0030	Nor	4-Jul-18	31-Dec-18	None	None	
333	S99GL512S0050	Nor	4-Jul-18	31-Dec-18	None	None	
334	S99GL512S0070	Nor	4-Jul-18	31-Dec-18	None	None	
335	S99JL032J0070	Nor	4-Jul-18	31-Dec-18	None	None	
336	S99JL032J0080	Nor	4-Jul-18	31-Dec-18	None	None	
337	S99JL032J0090	Nor	4-Jul-18	31-Dec-18	None	None	
338	S99JL032J0100	Nor	4-Jul-18	31-Dec-18	None	None	
339	S99JL032J0110	Nor	4-Jul-18	31-Dec-18	None	None	
340	S99JL032J0120	Nor	4-Jul-18	31-Dec-18	None	None	
341	S99JL032J0130	Nor	4-Jul-18	31-Dec-18	None	None	
342	S99JL032J0140	Nor	4-Jul-18	31-Dec-18	None	None	
343	S99JL032J0150	Nor	4-Jul-18	31-Dec-18	None	None	
344	S99JL032J0160	Nor	4-Jul-18	31-Dec-18	None	None	
345	S99JL064J0050	Nor	4-Jul-18	31-Dec-18	None	None	
346	S99JL064J0060	Nor	4-Jul-18	31-Dec-18	None	None	
347	S99ML01G20029	Nand	4-Jul-18	31-Dec-18	None	None	
348	S99ML02G10029	Nand	4-Jul-18	31-Dec-18	None	None	
349	S99ML04G10053	Nand	4-Jul-18	31-Dec-18	None	None	
350	S99ML04G20019	Nand	4-Jul-18	31-Dec-18	None	None	
351	S99MS01G20019	Nand	4-Jul-18	31-Dec-18	None	None	
352	S99PL032J0030	Nor	4-Jul-18	31-Dec-18	None	None	
353	S99PL032J0050	Nor	4-Jul-18	31-Dec-18	None	None	
354	S99PL032J0070	Nor	4-Jul-18	31-Dec-18	None	None	
355	S99PL064J0020	Nor	4-Jul-18	31-Dec-18	None	None	
356	S99PL064J0040	Nor	4-Jul-18	31-Dec-18	None	None	
357	S99PL064J0050	Nor	4-Jul-18	31-Dec-18	None	None	
358	S99PL064J0060	Nor	4-Jul-18	31-Dec-18	None	None	
359	S99PL064J0070	Nor	4-Jul-18	31-Dec-18	None	None	
360	S99PL064J0100	Nor	4-Jul-18	31-Dec-18	None	None	
361	S99PL127J0010	Nor	4-Jul-18	31-Dec-18	None	None	
362	S99PL127J0020	Nor	4-Jul-18	31-Dec-18	None	None	
363	S99PL127J0030	Nor	4-Jul-18	31-Dec-18	None	None	
364	S99PL127J0120	Nor	4-Jul-18	31-Dec-18	None	None	
365	S99PL127J0130	Nor	4-Jul-18	31-Dec-18	None	None	
366	S99PL127J0140	Nor	4-Jul-18	31-Dec-18	None	None	
367	S99PL127J0150	Nor	4-Jul-18	31-Dec-18	None	None	
368	S99PL127J0180	Nor	4-Jul-18	31-Dec-18	None	None	
369	S99PL127J0220	Nor	4-Jul-18	31-Dec-18	None	None	
370	SGIPC-000614	Nand	4-Jul-18	31-Dec-18	None	None	
371	SGIPC-000615	Nand	4-Jul-18	31-Dec-18	None	None	
372	SGIPC-000617	Nand	4-Jul-18	31-Dec-18	None	None	
373	SGIPC-000618	Nand	4-Jul-18	31-Dec-18	None	None	