

**TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC.**

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November 9, 2015

**Attention:** Toshiba Semiconductor North America Customers and Distributors

**Subject:** White LED Business Withdrawal and End of Life Product Request

This letter is to inform your company that Toshiba Corporation will be terminating its White LED business by March 2016. This decision is due to increased competition from Taiwanese, Korean and Chinese LED manufacturers. By withdrawing from the White LED market, Toshiba will be able to shift resources necessary to reinforce its operating structure and improve competitiveness in the power semiconductor, optical devices, and small-signal discrete businesses.

Toshiba's production of White LEDs will be terminated by the end of calendar year 2015, and all White LED business will be closed by March 2016.

We apologize for the short notice and regret any inconvenience that this notice may cause your company. In order to ensure effective procurement of parts and the reorganization of facilities as we wind down White LED production, we ask that you refer to the schedule below and provide the requested information.

**Products:** White LED Products in the attached item list

**Schedule:**

November 15<sup>th</sup> 2015: Last Time Buy (LTB)  
March 31<sup>st</sup> 2016: Last Time Shipment (LTS)

Your understanding and cooperation during this transition period is greatly appreciated. If you have questions or concerns, please contact your sales representative for more information.

Sincerely,

Jay A. Heinecke  
TOSHIBA AMERICA ELECTRONIC COMPONENTS, INC.  
Vice President of Discrete Marketing

# White LED Business Closure Product List

No	Product Name	PKG	Phase
1	J54C1-AM08S(ANA1)	CHIP	-
2	J54C1-AM08S(ANA2)	CHIP	-
3	J54C1-AM08S(S06)	CHIP	-
4	J54C1-AM08S(S06BL1)	CHIP	-
5	J54C1-AM08S(S06BL2)	CHIP	-
6	J54C1-AM08S(S06BL3)	CHIP	-
7	J54C1-AM08S(S06UP1)	CHIP	-
8	J54C1-AM08S(S06UP2)	CHIP	-
9	J54C1-BB08(S06)	CHIP	-
10	S1G0BWTK,LCS1(S)	3014	Phase2
11	S1G0BWTK,LCS2(S)	3014	Phase2
12	S1G0BWTK,LCS3(S)	3014	Phase2
13	S1G0BWTK,LCS4(S)	3014	Phase2
14	S1G0BWTK,LCS5(S)	3014	Phase2
15	S1G0BWTK,LTLT(S)	3014	Phase2
16	S1G0BWTK,LTLT1(S)	3014	Phase2
17	S1G0BWTK,LTLT2(S)	3014	Phase2
18	S1G0BWTK,LTLT3(S)	3014	Phase2
19	S1G0BWTK,LTLT4(S)	3014	Phase2
20	S1G0BWTK,LTLT5(S)	3014	Phase2
21	S1G0BWTK,LTLTCS(S)	3014	Phase2
22	S1G0BWTK,LTLT1(O)	3014	Phase2
23	S1G0BWTK,LTLT1(S)	3014	Phase2
24	S1G0BWTK,LTLT2(O)	3014	Phase2
25	S1G0BWTK,LTLT2(S)	3014	Phase2
26	S1G0BWTB,LTLT1(O)	3014	Phase2
27	S1G0BWTB,LTLT1(S)	3014	Phase2
28	S1G0BWTB,LTLT2(O)	3014	Phase2
29	S1G0BWTB,LTLT2(S)	3014	Phase2
30	TJ31EU5K-AWS(ANA)	CHIP	-
31	TJ31EU5K-AWS(ANA1)	CHIP	-
32	TJ31EU5K-AWS(ANA2)	CHIP	-
33	TJ31EU5K-AWS(ED1)	CHIP	-
34	TJ31EU5K-AWS(PRO)	CHIP	-
35	TJ31G0VH-AW	CHIP	-
36	TJ31G0VKS-AWS(UP1)	CHIP	-
37	TJ31G0W3H-AWS	CHIP	-
38	TJ31G0W3H-AWS(APES)	CHIP	-
39	TJ31G0W3K-AWS	CHIP	-
40	TJ31G0W3KS-AWS(APES)	CHIP	-
41	TL1F1-LW1,L(S)	6450	Phase1
42	TL1F1-LW1A,L(S)	6450	Phase1
43	TL1F1-NW0,L(S)	6450	Phase1
44	TL1F1-NW1,L(S)	6450	Phase1
45	TL1F1-NW1A,L(S)	6450	Phase1
46	TL1F1-WH1,L(S)	6450	Phase1
47	TL1F2-DW0,L(S)	6450	Phase2
48	TL1F2-DW0,LCS(S)	6450	Phase2
49	TL1F2-LL1,L(S)	6450	Phase2
50	TL1F2-LL1,LCS(S)	6450	Phase2
51	TL1F2-LW1,L(S)	6450	Phase2
52	TL1F2-LW1,LCS(S)	6450	Phase2
53	TL1F2-NW0,L(S)	6450	Phase2
54	TL1F2-NW0,LCS(S)	6450	Phase2
55	TL1F2-NW0,LKGT(S)	6450	Phase2
56	TL1F2-NW0,LKSL(S)	6450	Phase2
57	TL1F2-NW0,LMCS(S)	6450	Phase2
58	TL1F2-NW1,L(S)	6450	Phase2
59	TL1F2-NW1,LCS(S)	6450	Phase2
60	TL1F2-WH1,L(S)	6450	Phase2
61	TL1F2-WH1,LCS(S)	6450	Phase2
62	TL1L2-DW0,L(S)	3535	Phase2
63	TL1L2-DW0,LCS(S)	3535	Phase2
64	TL1L2-LL1,L(S)	3535	Phase2
65	TL1L2-LL1,LCS(S)	3535	Phase2
66	TL1L2-LW1,L(S)	3535	Phase2
67	TL1L2-LW1,LCS(S)	3535	Phase2
68	TL1L2-NW0,L(S)	3535	Phase2
69	TL1L2-NW0,LCS(S)	3535	Phase2
70	TL1L2-NW1,L(S)	3535	Phase2
71	TL1L2-NW1,LCS(S)	3535	Phase2
72	TL1L2-WH1,L(S)	3535	Phase2
73	TL1L2-WH1,LCS(S)	3535	Phase2
74	TL1L3-CW0,L(O)	3535	Phase3
75	TL1L3-CW0,L2B3B(O)	3535	Phase3
76	TL1L3-DW0,L(O)	3535	Phase3
77	TL1L3-DW0,L3A3B(O)	3535	Phase3
78	TL1L3-DW0,L4A5B(O)	3535	Phase3
79	TL1L3-LL1,L(O)	3535	Phase3
80	TL1L3-LW1,L(O)	3535	Phase3
81	TL1L3-NT0,L(O)	3535	Phase3
82	TL1L3-NT0,L3A3B(O)	3535	Phase3
83	TL1L3-NT0,L4A5B(O)	3535	Phase3
84	TL1L3-NW0,L(O)	3535	Phase3
85	TL1L3-NW0,L3A3B(O)	3535	Phase3
86	TL1L3-NW0,L4A5B(O)	3535	Phase3
87	TL1L3-NW1,L(O)	3535	Phase3
88	TL1L3-NW1,L2A2B(O)	3535	Phase3
89	TL1L3-WH1,L(O)	3535	Phase3
90	TL1L3-WH1,L1B2A(O)	3535	Phase3
91	TL1L4-CW0,L(O)	3535	Phase4
92	TL1L4-DW0,L(O)	3535	Phase4
93	TL1L4-DW0,L4A5B(O)	3535	Phase4
94	TL1L4-DW0,L5A5B(O)	3535	Phase4
95	TL1L4-DW0,LCS(O)	3535	Phase4
96	TL1L4-LL1,L(O)	3535	Phase4
97	TL1L4-LL1,LCS(O)	3535	Phase4
98	TL1L4-LW1,L(O)	3535	Phase4
99	TL1L4-LW1,LCS(O)	3535	Phase4
100	TL1L4-NT0,L(O)	3535	Phase4

No	Product Name	PKG	Phase
101	TL1L4-NT0,L4A5B(O)	3535	Phase4
102	TL1L4-NT0,L5A5B(O)	3535	Phase4
103	TL1L4-NT0,LCS(O)	3535	Phase4
104	TL1L4-NT1,L(O)	3535	Phase4
105	TL1L4-NT1,LCS(O)	3535	Phase4
106	TL1L4-NT1,LDSE(O)	3535	Phase4
107	TL1L4-NW0,L(O)	3535	Phase4
108	TL1L4-NW0,L4A5B(O)	3535	Phase4
109	TL1L4-NW0,L5A5B(O)	3535	Phase4
110	TL1L4-NW0,LARIC(O)	3535	Phase4
111	TL1L4-NW0,LCS(O)	3535	Phase4
112	TL1L4-NW0,LGRZ(O)	3535	Phase4
113	TL1L4-NW0,LTLT1(O)	3535	Phase4
114	TL1L4-NW1,L(O)	3535	Phase4
115	TL1L4-NW1,LCS(O)	3535	Phase4
116	TL1L4-WH0,L(O)	3535	Phase4
117	TL1L4-WH0,L4A5B(O)	3535	Phase4
118	TL1L4-WH0,LCS(O)	3535	Phase4
119	TL1L4-WH0,LVES1(O)	3535	Phase4
120	TL1L4-WH0,LVES2(O)	3535	Phase4
121	TL1L4-WH0,LVES3(O)	3535	Phase4
122	TL1L4-WH1,L(O)	3535	Phase4
123	TL1L4-WH1,LCS(O)	3535	Phase4
124	TL1WK-DW1,L(O)	0606	-
125	TL1WK-DW1,LCMATE(O)	0606	-
126	TL1WK-DW1,LCS(O)	0606	-
127	TL1WK-DW1,LRAY(O)	0606	-
128	TL1WK-LL1,L(O)	0606	-
129	TL1WK-LL1,LCS(O)	0606	-
130	TL1WK-LW1,L(O)	0606	-
131	TL1WK-LW1,LCS(O)	0606	-
132	TL1WK-NT1,L(O)	0606	-
133	TL1WK-NT1,LCMATE(O)	0606	-
134	TL1WK-NT1,LCS(O)	0606	-
135	TL1WK-NW1,L(O)	0606	-
136	TL1WK-NW1,LCS(O)	0606	-
137	TL1WK-WH1,L(O)	0606	-
138	TL1WK-WH1,LCS(O)	0606	-
139	TL2FK-DW1,L(S)	3014	Phase1
140	TL2FK-DW1,LITN(S)	3014	Phase1
141	TL2FK-DW1,LMSE(S)	3014	Phase1
142	TL2FK-LL1,L(S)	3014	Phase1
143	TL2FK-LW1,L(S)	3014	Phase1
144	TL2FK-NW0,L(S)	3014	Phase1
145	TL2FK-NW1,L(S)	3014	Phase1
146	TL2FK-NW1,LCS1(S)	3014	Phase1
147	TL2FK-NW1,LQY(S)	3014	Phase1
148	TL2FK-WH1,L(S)	3014	Phase1
149	TL2FK-WH1,LCS1(S)	3014	Phase1
150	TL2FL-DW1,L(O)	3014	Phase2
151	TL2FL-DW1,L(S)	3014	Phase2
152	TL2FL-DW1,LCS1(S)	3014	Phase2
153	TL2FL-DW1,LFDM(S)	3014	Phase2
154	TL2FL-DW1,LHKS(O)	3014	Phase2
155	TL2FL-DW1,LHKS(S)	3014	Phase2
156	TL2FL-DW1,LHS1(O)	3014	Phase2
157	TL2FL-DW1,LHS1(S)	3014	Phase2
158	TL2FL-DW1,LMKC(S)	3014	Phase2
159	TL2FL-DW1,LMSE(S)	3014	Phase2
160	TL2FL-DW1,LTLSC(S)	3014	Phase2
161	TL2FL-DW1Y,L(O)	3014	Phase2
162	TL2FL-DW1Y,L(S)	3014	Phase2
163	TL2FL-DW1Y,LITN(O)	3014	Phase2
164	TL2FL-DW1Y,LITN(S)	3014	Phase2
165	TL2FL-LL1,L(O)	3014	Phase2
166	TL2FL-LL1,L(S)	3014	Phase2
167	TL2FL-LL1,LCS1(S)	3014	Phase2
168	TL2FL-LL1,LHKS(O)	3014	Phase2
169	TL2FL-LL1,LHKS(S)	3014	Phase2
170	TL2FL-LL1Y,L(O)	3014	Phase2
171	TL2FL-LL1Y,L(S)	3014	Phase2
172	TL2FL-LW1,L(O)	3014	Phase2
173	TL2FL-LW1,L(S)	3014	Phase2
174	TL2FL-LW1,LCS1(S)	3014	Phase2
175	TL2FL-LW1,LHKS(O)	3014	Phase2
176	TL2FL-LW1,LHKS(S)	3014	Phase2
177	TL2FL-LW1Y,L(O)	3014	Phase2
178	TL2FL-LW1Y,L(S)	3014	Phase2
179	TL2FL-LW1Y,LITN(O)	3014	Phase2
180	TL2FL-LW1Y,LITN(S)	3014	Phase2
181	TL2FL-NW0,L(O)	3014	Phase2
182	TL2FL-NW0,L(S)	3014	Phase2
183	TL2FL-NW0,LCS1(S)	3014	Phase2
184	TL2FL-NW0,LSAK(S)	3014	Phase2
185	TL2FL-NW0Y,L(O)	3014	Phase2
186	TL2FL-NW0Y,L(S)	3014	Phase2
187	TL2FL-NW1,L(O)	3014	Phase2
188	TL2FL-NW1,L(S)	3014	Phase2
189	TL2FL-NW1,LCS1(S)	3014	Phase2
190	TL2FL-NW1,LHKS(O)	3014	Phase2
191	TL2FL-NW1,LHKS(S)	3014	Phase2
192	TL2FL-NW1,LSAK(S)	3014	Phase2
193	TL2FL-NW1Y,L(O)	3014	Phase2
194	TL2FL-NW1Y,L(S)	3014	Phase2
195	TL2FL-NW1Y,LAIR(O)	3014	Phase2
196	TL2FL-NW1Y,LAIR(S)	3014	Phase2
197	TL2FL-WH1,L(O)	3014	Phase2
198	TL2FL-WH1,L(S)	3014	Phase2
199	TL2FL-WH1,LCS1(S)	3014	Phase2
200	TL2FL-WH1,LHKS(O)	3014	Phase2

No	Product Name	PKG	Phase
201	TL2FL-WH1,LHKS(S)	3014	Phase2
202	TL2FL-WH1Y,L(O)	3014	Phase2
203	TL2FL-WH1Y,L(S)	3014	Phase2
204	TL2WK-DW1,L(O)	0603	-
205	TL2WK-DW1,LCS(O)	0603	-
206	TL2WK-LL1,L(O)	0603	-
207	TL2WK-LL1,LCS(O)	0603	-
208	TL2WK-LW1,L(O)	0603	-
209	TL2WK-LW1,LCS(O)	0603	-
210	TL2WK-LW1,LOBOS(O)	0603	-
211	TL2WK-NT1,L(O)	0603	-
212	TL2WK-NT1,LCS(O)	0603	-
213	TL2WK-NT1,LOBOS(O)	0603	-
214	TL2WK-NW1,L(O)	0603	-
215	TL2WK-NW1,LCS(O)	0603	-
216	TL2WK-WH1,L(O)	0603	-
217	TL2WK-WH1,LCS(O)	0603	-
218	TL2WU-DW1,L(O)	0603	-
219	TL3GA-DW1,L(S)	3030	Phase1
220	TL3GA-LL1,L(S)	3030	Phase1
221	TL3GA-LW1,L(S)	3030	Phase1
222	TL3GA-NW0,L(S)	3030	Phase1
223	TL3GA-NW1,L(S)	3030	Phase1
224	TL3GA-NW1,LCS1(S)	3030	Phase1
225	TL3GA-WH1,L(S)	3030	Phase1
226	TL3GA-WH1,LCS1(S)	3030	Phase1
227	TL3GB-DW1,L(S)	3030	Phase2
228	TL3GB-DW1,LCS1(S)	3030	Phase2
229	TL3GB-DW1,LTLSC(S)	3030	Phase2
230	TL3GB-LL1,L(S)	3030	Phase2
231	TL3GB-LL1,LCS1(S)	3030	Phase2
232	TL3GB-LW1,L(S)	3030	Phase2
233	TL3GB-LW1,LCS1(S)	3030	Phase2
234	TL3GB-NW0,L(S)	3030	Phase2
235	TL3GB-NW0,LCS1(S)	3030	Phase2
236	TL3GB-NW1,L(S)	3030	Phase2
237	TL3GB-NW1,LCS1(S)	3030	Phase2
238	TL3GB-NW1,LKONS(S)	3030	Phase2
239	TL3GB-WH1,L(S)	3030	Phase2
240	TL3GB-WH1,LCS1(S)	3030	Phase2
241	WS4C1-DB51(S04SS)	CHIP	-