



TOSHIBA AMERICA ELECTRONIC COMPONENTS INC.

To: Digi Key

November 30, 2016

Please be informed Toshiba has announced discontinuation on the following product(s)  
Regarding Substitution level code, please refer the below table.

### Products

FD	P/N	Product Code	Announced	Last Time Buy Date	Last Time Ship Date	Substitution Level	Replacement Supplier Name	Replacement Part #
X35	2SA1020-Y(TE6,F,M)	M1TH0307	Oct-2017	Dec-31-2017	Mar-31-2018	3	TOSHIBA	2SA2060(TE12L,F)
X35	2SA1837(F,M)	M1TI0046	Oct-2017	Dec-31-2017	Mar-31-2018	3	TOSHIBA	TTA006B,Q(S)
X35	2SA1930(Q,M)	M1TI0076	Oct-2017	Dec-31-2017	Mar-31-2018	3	TOSHIBA	TTA004B,Q(S)
X35	2SC4793(F,M)	M1TI0045	Oct-2017	Dec-31-2017	Mar-31-2018	3	TOSHIBA	TTC011B,Q(S)
X35	2SC5171(Q,M)	M1TI0075	Oct-2017	Dec-31-2017	Mar-31-2018	3	TOSHIBA	TTC004B,Q(S)
X35	CLS03(TE16L,Q)	38135026	Oct-2017	Dec-31-2017	Mar-31-2018	0		

Substitution Level Code

0	No suggested replacement
1	Package and characteristics are mostly same or better, not necessary to change other circuit to replace.
2	Package and characteristics are mostly same or better, but some modification of the other circuit is necessary.
3	Characteristics are same or better, but package/pin arrangement are different, so circuit modification is necessary
4	Others

### Last Time Buy (LTB) Option

Toshiba will support last time buy (LTB) orders received on or before the last time buy date indicated above. Deliveries will be scheduled and advised after receipt of LTB orders. The target ship date of LTB order is typically no later than the indicated last ship date. However, unforeseen circumstances might prevent Toshiba to support partially or fully on LTB orders. If such event occurs, we will notify you of our best support plan as soon as possible. Thank you for your understanding. Should you have any questions, please contact your sales representative.

Sincerely,

Power Device, Discrete Business Unit  
Toshiba America Electronic Components

P/N	Product Code	Last Time Buy Date	Last Time Ship Date	Substitution	Replacement Part #
CLS03,LNITTOQ(O	38148217	Dec-31-2017	Mar-31-2018	0	
CLS03(TE16R,Q)	38135027	Dec-31-2017	Mar-31-2018	0	
CLS03(TE16L,SQC,Q)	38135918	Dec-31-2017	Mar-31-2018	0	
CLS03(TE16L,Q)	38135026	Dec-31-2017	Mar-31-2018	0	
CLS03(TE16L,PSD,Q)	38136399	Dec-31-2017	Mar-31-2018	0	
CLS03(TE16L,PCD,Q)	38136758	Dec-31-2017	Mar-31-2018	0	
CLS03(TE16L,DNSO,Q)	38135653	Dec-31-2017	Mar-31-2018	0	
CLS03(T6L,SHINA,Q)	38136216	Dec-31-2017	Mar-31-2018	0	
CLS03(T6L,CANO-O,Q)	38135759	Dec-31-2017	Mar-31-2018	0	
CLS02(TE16R,Q)	38135025	Dec-31-2017	Mar-31-2018	0	
CLS02(TE16L,SQC,Q)	38135919	Dec-31-2017	Mar-31-2018	0	
CLS02(TE16L,Q)	38135024	Dec-31-2017	Mar-31-2018	0	
CLS02(TE16L,HIT,Q)	38135693	Dec-31-2017	Mar-31-2018	0	
CLS02(T6L,CLAR,Q)	38136355	Dec-31-2017	Mar-31-2018	0	
CLS02(T6L,CANO-O,Q)	38135756	Dec-31-2017	Mar-31-2018	0	
CLS01,LFJFQ(O	38148339	Dec-31-2017	Mar-31-2018	0	
CLS01(TE16R,Q)	38135023	Dec-31-2017	Mar-31-2018	0	
CLS01(TE16L,Q)	38135022	Dec-31-2017	Mar-31-2018	0	
CLS01(TE16L,PAS,Q)	38135486	Dec-31-2017	Mar-31-2018	0	
CLS01(T6LSONY,Q)	38135568	Dec-31-2017	Mar-31-2018	0	
CLH07(TE16R,Q)	38135040	Dec-31-2017	Mar-31-2018	0	
CLH07(TE16L,Q)	38135039	Dec-31-2017	Mar-31-2018	0	
CLH07(TE16L,NMB,Q)	38136626	Dec-31-2017	Mar-31-2018	0	
CLH06(TE16R,Q)	38135038	Dec-31-2017	Mar-31-2018	0	
CLH06(TE16L,Q)	38135037	Dec-31-2017	Mar-31-2018	0	
CLH05,LMBJQ(O	38148400	Dec-31-2017	Mar-31-2018	0	
CLH05(TE16R,Q)	38135021	Dec-31-2017	Mar-31-2018	0	
CLH05(TE16L,Q)	38135020	Dec-31-2017	Mar-31-2018	0	
CLH05(T6L,NKOD,Q)	38136744	Dec-31-2017	Mar-31-2018	0	
CLH03(TE16R,Q)	38135052	Dec-31-2017	Mar-31-2018	0	
CLH03(TE16L,Q)	38135051	Dec-31-2017	Mar-31-2018	0	
CLH02(TE16R,Q)	38135050	Dec-31-2017	Mar-31-2018	0	
CLH02(TE16L,Q)	38135049	Dec-31-2017	Mar-31-2018	0	
CLH01(TE16R,Q)	38135036	Dec-31-2017	Mar-31-2018	0	
CLH01(TE16L,Q)	38135035	Dec-31-2017	Mar-31-2018	0	
TTC009,F(M	M1TK0165	Dec-31-2017	Mar-31-2018	3	2SC6076(TE16L1,NV)
TTC009,F(J	38158882	Dec-31-2017	Mar-31-2018	3	2SC6076(TE16L1,NV)
2SD2257,Q(J	38158854	Dec-31-2017	Mar-31-2018	3	TTD1415B,S4X(S
2SD2257,NIKKIQ(J	38158853	Dec-31-2017	Mar-31-2018	3	2SD1223,L1XGQ(O
2SD2257,KEHINQ(J	38158852	Dec-31-2017	Mar-31-2018	3	2SD1223,L1XGQ(O
2SD2257(Q,M)	M1TI0177	Dec-31-2017	Mar-31-2018	3	TTD1415B,S4X(S
2SD2257(CANO,Q,M)	M1TI0187	Dec-31-2017	Mar-31-2018	3	TTD1415B,S4X(S
2SD2257(CANO,A,Q)	38158851	Dec-31-2017	Mar-31-2018	3	TTD1415B,S4X(S
2SD2129,LS4ALPSQ(M	38159982	Dec-31-2017	Mar-31-2018	3	2SD1223,L1XGQ(O
2SD2129,ALPSQ(M	38159981	Dec-31-2017	Mar-31-2018	3	2SD1223,L1XGQ(O
2SC5459(TOJS,Q,M)	38159980	Dec-31-2017	Mar-31-2018	3	2SC5354,TOJSQ(O
2SC5172(YAZK,Q,M)	381A0011	Dec-31-2017	Mar-31-2018	3	2SC5354,XGQ(O
2SC5171,Q(J	38158862	Dec-31-2017	Mar-31-2018	3	TTC004B,Q(S

2SC5171,ONKQ(J	38158863	Dec-31-2017	Mar-31-2018	3	TTC004B,Q(S
2SC5171,MATUDQ(J	38159665	Dec-31-2017	Mar-31-2018	3	2SC4883A
2SC5171(Q,M)	M1TI0075	Dec-31-2017	Mar-31-2018	3	TTC004B,Q(S
2SC5171(ONK,Q,M)	M1TI0080	Dec-31-2017	Mar-31-2018	3	TTC004B,Q(S
2SC5171(LBS2MATQ,M	M1TI0119	Dec-31-2017	Mar-31-2018	3	2SC4883A
2SC4935-Y,Q(J	38158880	Dec-31-2017	Mar-31-2018	3	2SC5886A(T6L1,NQ)
2SC4881,LS1SUMIF(M	381A0347	Dec-31-2017	Mar-31-2018	3	2SC5886A,L1XHQ(O
2SC4881(CANO,F,M)	381A0071	Dec-31-2017	Mar-31-2018	3	2SC5886A(T6L1,NQ)
2SC4793,YHF(M	M1TI0194	Dec-31-2017	Mar-31-2018	3	TTC011B,Q(S
2SC4793,YHF(J	38158871	Dec-31-2017	Mar-31-2018	3	TTC011B,Q(S
2SC4793,WNLF(J	38159602	Dec-31-2017	Mar-31-2018	3	TTC008,XHQ(O
2SC4793,TOA1F(J	38158870	Dec-31-2017	Mar-31-2018	3	TTC008,XHQ(O
2SC4793,NSEIKIF(J	38158869	Dec-31-2017	Mar-31-2018	3	TTC008,XHQ(O
2SC4793,HFEF(M	M1TI0193	Dec-31-2017	Mar-31-2018	3	TTC011B,Q(S
2SC4793,HFEF(J	38158868	Dec-31-2017	Mar-31-2018	3	TTC011B,Q(S
2SC4793,F(J	38158867	Dec-31-2017	Mar-31-2018	3	TTC011B,Q(S
2SC4793(PAIO,F,M)	M1TI0035	Dec-31-2017	Mar-31-2018	3	TTC008,XHQ(O
2SC4793(LBSAN,F,M)	M1TI0113	Dec-31-2017	Mar-31-2018	3	TTC011B,Q(S
2SC4793(F,M)	M1TI0045	Dec-31-2017	Mar-31-2018	3	TTC011B,Q(S
2SB1495,Q(M	M1TI0196	Dec-31-2017	Mar-31-2018	3	TTB1020B,S4X(S
2SB1495,Q(J	38158855	Dec-31-2017	Mar-31-2018	3	TTB1020B,S4X(S
2SB1481(TOJS,Q,M)	38159956	Dec-31-2017	Mar-31-2018	3	2SB1258
2SB1375,CLARIONF(M	38159954	Dec-31-2017	Mar-31-2018	3	TTB002,L1XHQ(O
2SA1931,SINFQ(J	38158861	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1931,Q(J	38158860	Dec-31-2017	Mar-31-2018	3	2SA2097(TE16L1,NQ)
2SA1931,NSEIKIQ(J	38158858	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1931,NIKKIQ(J	38158857	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1931,NETQ(M	M1900020	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1931,NETQ(J	38158856	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1931,KEHINQ(M	38159953	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1931,BOSCHQ(J	38159529	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1931(NOMARK,A,Q	381A0156	Dec-31-2017	Mar-31-2018	3	2SA2097(T6L1PP,NQ)
2SA1930,Q(J	38158864	Dec-31-2017	Mar-31-2018	3	TTA004B,Q(S
2SA1930,ONKQ(J	38158866	Dec-31-2017	Mar-31-2018	3	TTA004B,Q(S
2SA1930,LBS2DIAQ(J	38158850	Dec-31-2017	Mar-31-2018	3	2SA1225-Y,L1XHV(O
2SA1930,CKQ(J	38158865	Dec-31-2017	Mar-31-2018	3	2SA1225-Y,L1XHV(O
2SA1930(Q,M)	M1TI0076	Dec-31-2017	Mar-31-2018	3	TTA004B,Q(S
2SA1930(ONK,Q,M)	M1TI0081	Dec-31-2017	Mar-31-2018	3	TTA004B,Q(S
2SA1930(LBS2MATQ,M	M1TI0118	Dec-31-2017	Mar-31-2018	3	2SA1225-Y,L1XHV(O
2SA1869-Y,Q(J	38158881	Dec-31-2017	Mar-31-2018	3	2SA2097(TE16L1,NQ)
2SA1869-Y,MTSAQ(J	38159224	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1869-Y(Q,M)	M1TI0173	Dec-31-2017	Mar-31-2018	3	2SA2097(TE16L1,NQ)
2SA1869-Y(JKT,Q,M)	M1TI0183	Dec-31-2017	Mar-31-2018	3	2SA2097,L1XHQ(O
2SA1837,YHF(M	M1TI0192	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S
2SA1837,YHF(J	38158878	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S
2SA1837,WNLF(J	38159597	Dec-31-2017	Mar-31-2018	3	2SA1668
2SA1837,TOA1F(J	38158877	Dec-31-2017	Mar-31-2018	3	2SA1668
2SA1837,S1CSF(J	38158714	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S
2SA1837,NSEIKIF(J	38158876	Dec-31-2017	Mar-31-2018	3	2SA1668
2SA1837,HFEYHF(M	M1TI0191	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S

2SA1837,HFEYHF(J	38158875	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S
2SA1837,HFEMBJF(J	38158872	Dec-31-2017	Mar-31-2018	3	2SA1668
2SA1837,F(J	38158873	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S
2SA1837(PAIO,F,M)	M1TI0036	Dec-31-2017	Mar-31-2018	3	2SA1668
2SA1837(LBSAN,F,M)	M1TI0115	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S
2SA1837(F,M)	M1TI0046	Dec-31-2017	Mar-31-2018	3	TTA006B,Q(S
2SD2695,T6F(M	M1900099	Dec-31-2017	Mar-31-2018	3	2SD2686(TE12L,ZC)
2SD2695,T6F(J	38158827	Dec-31-2017	Mar-31-2018	3	2SD2686(TE12L,ZC)
2SD2695(T6CNO,A,F)	38158826	Dec-31-2017	Mar-31-2018	3	2SD2686(TE12L,ZC)
2SD2695(T6CANO,F,M	M1TH0484	Dec-31-2017	Mar-31-2018	3	2SD2686(TE12L,ZC)
2SD2695(T6CANO,A,F	38151597	Dec-31-2017	Mar-31-2018	3	2SD2686(TE12L,ZC)
2SD2206A(T6SEP,F,M	M1TH0371	Dec-31-2017	Mar-31-2018	3	TTD1509B,Q(S
2SD2206,T6F(J	38158775	Dec-31-2017	Mar-31-2018	3	TTD1509B,Q(S
2SD2206(TE6,F,M)	M1TH0429	Dec-31-2017	Mar-31-2018	3	TTD1509B,Q(S
2SD2206(T6CNO,A,F)	38158817	Dec-31-2017	Mar-31-2018	3	TTD1509B,Q(S
2SD2206(T6CANO,F,M	M1TH0477	Dec-31-2017	Mar-31-2018	3	TTD1509B,Q(S
2SC5549,T6F(J	38158825	Dec-31-2017	Mar-31-2018	3	2SC6142(Q)
2SC5201,T6MURAF(J	38158823	Dec-31-2017	Mar-31-2018	3	2SC6127,L1MMCV(O
2SC5201,T6F(J	38158822	Dec-31-2017	Mar-31-2018	3	TTC5460B,Q(S
2SC5201,F(J	38158794	Dec-31-2017	Mar-31-2018	3	TTC5460B,Q(S
2SC5201(TE6,F,M)	M1TH0487	Dec-31-2017	Mar-31-2018	3	TTC5460B,Q(S
2SC5201(T6MURATAFM	M1TH0479	Dec-31-2017	Mar-31-2018	3	2SC6127,L1MMCV(O
2SC4682,T6F(M	M1900255	Dec-31-2017	Mar-31-2018	3	2SC5714(TE12L,F)
2SC4682,T6F(J	38158816	Dec-31-2017	Mar-31-2018	3	2SC5714(TE12L,F)
2SC4682,T6CSF(J	38158687	Dec-31-2017	Mar-31-2018	3	2SC5714(TE12L,F)
2SC4604,T6F(M	M1900007	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC4604,T6F(J	38158821	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC4604,F(J	38158793	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC3328-Y,T6CKF(J	38159976	Dec-31-2017	Mar-31-2018	3	2SC6124(T2LCK,ZC)
2SC3328-Y,HOF(M	381A0018	Dec-31-2017	Mar-31-2018	3	2SC6124(T2LXG,ZC)
2SC3328-O,T6KEHF(M	38159975	Dec-31-2017	Mar-31-2018	3	2SC6124(T2LXG,ZC)
2SC3225,T6ALPSF(M	38159974	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LALPS,ZF
2SC2655-Y,WNLF(J	38159599	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y,T6WNLF(J	38159600	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y,T6SWFF(M	381A0424	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y,T6KEHF(M	38159973	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y,T6F(J	38158811	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC2655-Y,T6APNF(M	381A0134	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y,F(J	38158789	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC2655-Y(TE6,F,M)	M1TH0314	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC2655-Y(T6TOJ,FM	38159972	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LTOJS,ZF
2SC2655-Y(T6STL,FM	38159971	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y(T6OMI,FM	38159970	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y(T6ND3,AF	38158814	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LDNSO,ZF
2SC2655-Y(T6ND2,AF	38158813	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LDNSO,ZF
2SC2655-Y(T6ND1,AF	38158812	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LDNSO,ZF
2SC2655-Y(T6CN,A,F	38158790	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC2655-Y(T6CANOFM	M1TH0320	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC2655-Y(HIT,F,M)	381A0014	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZF)
2SC2655-Y(F,M)	M1TH0360	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)

2SC2655-Y(6MBH1,AF	38159478	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LMBSH,ZF
2SC2655-O,F(J	38158788	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC2655-O(TE6,F,M)	M1TH0339	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC2655-O(ND2,AF)	38159524	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LDNSO,ZF
2SC2655-O(ND1,AF)	38159523	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LDNSO,ZF
2SC2482(T6TOJS,F,M	38159969	Dec-31-2017	Mar-31-2018	3	TTC013(T2LTOJS,ZF)
2SC2482(FJTN,F,M)	38159968	Dec-31-2017	Mar-31-2018	3	TTC013(T2LFJTN,ZF)
2SC2383-Y,T6KEHF(M	38159967	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2383-Y(T6DNS,FM	38159966	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LDNSO,ZC
2SC2383-O,T6ALPF(M	38159965	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LALPS,ZC
2SC2383-O(T6OMI,FM	38159964	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2235-Y,USNHF(M	38159963	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2235-Y,T6USNF(M	38159962	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2235-Y,T6KEHF(M	381A0101	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2235-Y,T6F(J	38158774	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235-Y,T6ASHF(J	38158828	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2235-Y,F(J	38158777	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235-Y(TE6,F,M)	M1TH0309	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235-Y(T6OMI,FM	38159961	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2235-Y(T6ND,AF	38158798	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LDNSO,ZC
2SC2235-Y(T6KMATFM	M1TH0495	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2235-Y(T6FJT,FM	M1900441	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LFJTN,ZC
2SC2235-Y(T6FJT,AF	38159520	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LFJTN,ZC
2SC2235-Y(T6CN,A,F	38158797	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235-Y(T6CANOFM	M1TH0457	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235-Y(MBSH1,FM	38159959	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LMBSH,ZC
2SC2235-Y(DNSO,AF)	38159519	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LDNSO,ZC
2SC2235-Y(6MBH1,AF	38159522	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LMBSH,ZC
2SC2235-O,F(J	38158776	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235-O(TE6,F,M)	M1TH0336	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235-O(T6FJT,FM	M1900440	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LFJTN,ZC
2SC2235-O(T6FJT,AF	38159518	Dec-31-2017	Mar-31-2018	3	2SC2881Y(2LFJTN,ZC
2SC2235-O(T6ASN,FM	38159960	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(2LASN,ZC
2SC2235-O(FA1,F,M)	M1TH0458	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2235(T6KMAT,F,M	M1TH0383	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y,F(J	38158781	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(TE6,F,M)	M1TH0447	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(T6SAN2FM	M1TH0446	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(T6ONK1FM	M1TH0459	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(T6MITIFM	M1TH0393	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(T6MIT1FM	M1TH0442	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(SHP1,F,M	M1TH0444	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(SHP,F,M)	M1TH0443	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(SAN2,F,M	M1TH0445	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(MIT1,F,M	M1TH0441	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-Y(MIT,F,M)	M1TH0440	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-O(TE6,F,M)	M1TH0312	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC
2SC2229-O(T6SHP1FM	M1TH0317	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-O(T6SAN2FM	M1TH0439	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC
2SC2229-O(T6MIT1FM	M1TH0435	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC

2SC2229-O(SHP1,F,M)	M1TH0437	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SC2229-O(SHP,F,M)	M1TH0436	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SC2229-O(MITIF,M)	M1TH0391	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SC2229-O(MIT1F,M)	M1TH0434	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SC2229(TE6SAN1F,M)	M1TH0390	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SC1627A-Y,PASF(M)	38159958	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(2LPAS,ZC)
2SC1627A-O,PASF(M)	38159957	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(2LPAS,ZC)
2SB1457,T6YMEF(M)	381A0173	Dec-31-2017	Mar-31-2018	3	2SB1258
2SB1457,T6TOTO(J)	38158792	Dec-31-2017	Mar-31-2018	3	TTB1067B,Q(S)
2SB1457(TE6,F,M)	M1TH0474	Dec-31-2017	Mar-31-2018	3	TTB1067B,Q(S)
2SB1457(T6DW,F,M)	38159955	Dec-31-2017	Mar-31-2018	3	2SB1258
2SB1457(T6CNO,A,F)	38158819	Dec-31-2017	Mar-31-2018	3	TTB1067B,Q(S)
2SB1457(T6CANO,F,M)	M1TH0478	Dec-31-2017	Mar-31-2018	3	TTB1067B,Q(S)
2SA965-Y,T6KOJPF(J)	38159516	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(T2LXG,ZC)
2SA965-Y,T6F(J)	38158800	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA965-Y,SWFF(M)	381A0423	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(T2LXG,ZC)
2SA965-Y,F(J)	38158779	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA965-Y(TE6,F,M)	M1TH0308	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA965-Y(T6CANO,FM)	M1TH0389	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA965-Y(F,M)	M1TH0388	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA965-O,F(J)	38158778	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA965-O(TE6,F,M)	M1TH0387	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-Y,ONK-1F(M)	M1TH0575	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-Y,ONK-1F(J)	38158783	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-Y,F(J)	38158782	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-Y(TE6,F,M)	M1TH0410	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-Y(T6SHRP,FM)	M1TH0408	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(T2LXG,ZC)
2SA949-Y(T6ONK1,FM)	M1TH0460	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-Y(T6JVC1,FM)	M1TH0407	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-Y(JVC1,F,M)	M1TH0406	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA949-O(TE6,F,M)	M1TH0311	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC)
2SA1972,T6WNLF(J)	38159598	Dec-31-2017	Mar-31-2018	3	2SA1971(T2LXG,ZF)
2SA1972,F(J)	38158795	Dec-31-2017	Mar-31-2018	3	2SA1971(TE12L,F)
2SA1972(TE6,F,M)	M1TH0431	Dec-31-2017	Mar-31-2018	3	2SA1971(TE12L,F)
2SA1761,T6F(M)	M1900006	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1761,T6F(J)	38158832	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1761,F(J)	38158831	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1680,T6SCMDF(J)	38158835	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1680,T6F(J)	38158834	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1680,T6ASTIF(J)	38159285	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1680,F(J)	38158833	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1680(TE6,F,M)	M1TH0433	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1680(T6DNSO,F,M)	38159952	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LDNSO,ZF)
2SA1680(F,M)	M1TH0432	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1382,T6MIBF(J)	38159949	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1315-Y,T6ASNF(J)	38159948	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LASN,ZF)
2SA1315-Y,HOF(M)	381A0017	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LXG,ZF)
2SA1020A,T6CSF(J)	38158682	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020A,NSEIKIF(J)	38158784	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y,T6WNLF(J)	38159595	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)

2SA1020-Y,T6NSF(J	38158787	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y,T6KEHF(M	381A0102	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y,T6F(J	38158807	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y,HOF(M	381A0016	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y,F(M	M1900181	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y,F(J	38158785	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y(TE6,F,M)	M1TH0307	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y(T6TR1,AF	38158809	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y(T6TR,A,F	38158830	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y(T6TOJ,FM	38159947	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LTOJS,ZF
2SA1020-Y(T6OMI,FM	38159946	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y(T6ND3,AF	38159604	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LDNSO,ZF
2SA1020-Y(T6ND1,AF	38159223	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LDNSO,ZF
2SA1020-Y(T6FJT,AF	38159344	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LFJTN,ZF
2SA1020-Y(T6CN,A,F	38158786	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y(T6CANOFM	M1TH0322	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y(T6CANOAF	38151585	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y(ND1,AF)	38159513	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LDNSO,ZF
2SA1020-Y(HIT,F,M)	381A0015	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LXG,ZF)
2SA1020-Y(F,M)	M1TH0426	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-Y(6MBH1,AF	38158806	Dec-31-2017	Mar-31-2018	3	2SA2060(2LMBS-H,ZF
2SA1020-O,T6CSF(J	38158683	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-O,F(J	38158804	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-O,CKF(J	38158803	Dec-31-2017	Mar-31-2018	3	2SA2060(T2LCK,ZF
2SA1020-O(TE6,F,M)	M1TH0340	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1020-O(F,M)	M1TH0425	Dec-31-2017	Mar-31-2018	3	2SA2060(TE12L,F)
2SA1013-O,T6MIBF(J	38159945	Dec-31-2017	Mar-31-2018	3	2SA1225-Y,L1XHVO
2SA1013-O(T6FJT,FM	38159944	Dec-31-2017	Mar-31-2018	3	2SA1225Y,L1FJTNO
2SC6139,T2F(M	M1900062	Dec-31-2017	Mar-31-2018	3	TTC004B,Q(S
2SC6042,T2WNLQ(J	38159603	Dec-31-2017	Mar-31-2018	3	2SC6142,XHQ(O
2SC6042,T2HOSH1Q(J	38158845	Dec-31-2017	Mar-31-2018	3	2SC6142,HOSHIQ(O
2SC6040,T2Q(J	38158849	Dec-31-2017	Mar-31-2018	3	2SC6142(Q)
2SC6040(TPF2,Q,M)	M1TP0004	Dec-31-2017	Mar-31-2018	3	2SC6142(Q)
2SC6010(T2MITUM,FM	M1TP0002	Dec-31-2017	Mar-31-2018	3	2SC6142(MITM,Q)
2SC5930(TPF2,F,M)	M1TP0006	Dec-31-2017	Mar-31-2018	3	2SC6142(Q)
2SC5930(T2MITUM,FM	M1TP0001	Dec-31-2017	Mar-31-2018	3	2SC6142(MITM,Q)
2SC3672-O(T2ASH,FM	381A0070	Dec-31-2017	Mar-31-2018	3	TTC013(T2LXG,ZF)
2SC3669-Y,T2PASF(M	38159979	Dec-31-2017	Mar-31-2018	3	2SC6124(T2LPAS,ZC)
2SC3669-Y(T2OMI,FM	38159978	Dec-31-2017	Mar-31-2018	3	2SC6124(T2LXG,ZC)
2SC3668-Y,T2WNLQ(J	38159601	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZC)
2SC3668-Y,T2F(M	M1900009	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC3668-Y,T2F(J	38158841	Dec-31-2017	Mar-31-2018	3	2SC5712(TE12L,F)
2SC3668-Y,F2PANF(J	38157279	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZC)
2SC3668-O,T2CLAF(J	38158840	Dec-31-2017	Mar-31-2018	3	2SC5712(T2LXG,ZC)
2SC3665-Y,T2YNSF(J	38158838	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SC3665-Y,T2NSF(J	38158837	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SC3665-Y,T2F(J	38158836	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(TE12L,ZC)
2SC3665-Y(T2NSW,FM	38159977	Dec-31-2017	Mar-31-2018	3	2SC2881-Y(T2LXG,ZC)
2SA1429-Y(T2TR,F,M	38159951	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LXG,ZF)
2SA1429-Y(T2OMI,FM	38159950	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LXG,ZF)

2SA1428-Y,T2F(M	M1900004	Dec-31-2017	Mar-31-2018	3	2SA2206(TE12L,F)
2SA1428-Y,T2F(J	38158843	Dec-31-2017	Mar-31-2018	3	2SA2206(TE12L,F)
2SA1428-Y(T2TR,A,F	38159345	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LXG,ZF)
2SA1428-O,T2WNLJ(J	38159596	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LXG,ZF)
2SA1428-O,T2CLAF(M	M1900301	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LXG,ZF)
2SA1428-O,T2CLAF(J	38158842	Dec-31-2017	Mar-31-2018	3	2SA2206(T2LXG,ZF)
2SA1425-Y,T2F(J	38158839	Dec-31-2017	Mar-31-2018	3	2SA1201-Y(TE12L,ZC
TA58M15S,Q(J	38155926	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M12S,Q(J	38155925	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M09S,Q(J	38155923	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M09S,MATUDQ(J	38155922	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M08S(LS2FJT,AQ	38155920	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M08S(FJTN,QM)	M1900447	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M08S(FJTN,AQ)	38155994	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M06S,SUMISQ(M	38156138	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M06S,Q(J	38155919	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M06S,MTDQ(M	38156074	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M06S,MTDQ(J	38155918	Dec-31-2017	Mar-31-2018	3	TLE4276SV
TA58M05S,SUMISQ(M	38156139	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S,Q(J	38155915	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S,KDQ(M	38156152	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S,HOTIKIQ(M	38156077	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S(YNS,AQ)	38155946	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S(YAZK,AQ)	38155955	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S(LBS2PP,AQ	38155942	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S(BEF,LB180	38156055	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58M05S(AFT,LB180	38156056	Dec-31-2017	Mar-31-2018	3	TLE4274V50
TA58L15S,Q(J	38155911	Dec-31-2017	Mar-31-2018	2	KIA78DL15PI
TA58L12S,WNLQ(J	38156044	Dec-31-2017	Mar-31-2018	2	KIA78DL12PI
TA58L12S,Q(J	38155910	Dec-31-2017	Mar-31-2018	2	KIA78DL12PI
TA58L12S,LS1TOKQ(J	38155909	Dec-31-2017	Mar-31-2018	2	KIA78DL12PI
TA58L12S,ASHIQ(J	38155914	Dec-31-2017	Mar-31-2018	2	KIA78DL12PI
TA58L12S(FJTN,QM)	M1900446	Dec-31-2017	Mar-31-2018	2	KIA78DL12PI
TA58L12S(FJTN,AQ)	38155993	Dec-31-2017	Mar-31-2018	2	KIA78DL12PI
TA58L10S,Q(J	38155908	Dec-31-2017	Mar-31-2018	2	KIA78DL10PI
TA58L09S,Q(M	M1900279	Dec-31-2017	Mar-31-2018	2	KIA78DL09PI
TA58L09S,Q(J	38155907	Dec-31-2017	Mar-31-2018	2	KIA78DL09PI
TA58L09S,LS2PAIQ(M	M1900295	Dec-31-2017	Mar-31-2018	2	KIA78DL09PI
TA58L09S,LS2PAIQ(J	38155901	Dec-31-2017	Mar-31-2018	2	KIA78DL09PI
TA58L08S,SUMISQ(M	38156140	Dec-31-2017	Mar-31-2018	2	KIA78DL08PI
TA58L08S,Q(J	38155906	Dec-31-2017	Mar-31-2018	2	KIA78DL08PI
TA58L08S(FJTN,QM)	M1900445	Dec-31-2017	Mar-31-2018	2	KIA78DL08PI
TA58L08S(FJTN,AQ)	38155992	Dec-31-2017	Mar-31-2018	2	KIA78DL08PI
TA58L06S,SUMISQ(M	38156141	Dec-31-2017	Mar-31-2018	2	KIA78DL06PI
TA58L06S,Q(J	38155905	Dec-31-2017	Mar-31-2018	2	KIA78DL06PI
TA58L06S,HY-ATQ(M	M1900293	Dec-31-2017	Mar-31-2018	2	KIA78DL06PI
TA58L05S,SUMISQ(M	38156142	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,Q(J	38155904	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,LS4NSAQ(J	38155899	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,LS2TOKQ(J	38156021	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI



TA58L05S,LS2MTDQ(J	38155948	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,L2SUMIQ(M	38156143	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,HY-ATQ(M	M1900294	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,COMTQ(M	38156170	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,ASHIQ(M	38156082	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,APNQ(M	38156179	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,ALPSAQ(M	38156075	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S,ALPSAQ(J	38156032	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S(SUMIS,AQ)	38155913	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S(LS2YAZ,AQ	38155954	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S(LS2PEV,AQ	38155945	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S(LS2DNS,AQ	38155902	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S(FJTN,QM)	M1900444	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA58L05S(FJTN,AQ)	38155991	Dec-31-2017	Mar-31-2018	2	KIA78DL05PI
TA78L075AP,F(J	38155855	Dec-31-2017	Mar-31-2018	0	
TA78L024AP,F(J	38155842	Dec-31-2017	Mar-31-2018	2	KIA78L24BP
TA78L020AP,T6WNF(J	38156054	Dec-31-2017	Mar-31-2018	2	KIA78L20BP
TA78L018AP,WNLF(J	38156053	Dec-31-2017	Mar-31-2018	2	KIA78L18BP
TA78L018AP,T6F(M	M1900277	Dec-31-2017	Mar-31-2018	2	KIA78L18BP
TA78L018AP,T6F(J	38155867	Dec-31-2017	Mar-31-2018	2	KIA78L18BP
TA78L018AP,F(J	38155866	Dec-31-2017	Mar-31-2018	2	KIA78L18BP
TA78L015AP,T6F(J	38155865	Dec-31-2017	Mar-31-2018	2	KIA78L15BP
TA78L015AP,F(J	38155864	Dec-31-2017	Mar-31-2018	2	KIA78L15BP
TA78L015AP,6MURF(M	38156190	Dec-31-2017	Mar-31-2018	2	KIA78L15BP
TA78L015AP,6FNCF(J	38155863	Dec-31-2017	Mar-31-2018	2	KIA78L15BP
TA78L015AP(TPE6,FM	M1TR0048	Dec-31-2017	Mar-31-2018	2	KIA78L15BP
TA78L012AP,WNLF(J	38156052	Dec-31-2017	Mar-31-2018	2	KIA78L12BP
TA78L012AP,T6F(J	38155862	Dec-31-2017	Mar-31-2018	2	KIA78L12BP
TA78L012AP,HOTIF(M	38156079	Dec-31-2017	Mar-31-2018	2	KIA78L12BP
TA78L012AP,F(J	38155841	Dec-31-2017	Mar-31-2018	2	KIA78L12BP
TA78L012AP(TPE6,FM	M1TR0046	Dec-31-2017	Mar-31-2018	2	KIA78L12BP
TA78L012AP(6TOJ,AF	38155951	Dec-31-2017	Mar-31-2018	2	KIA78L12BP
TA78L010AP,F(J	38155860	Dec-31-2017	Mar-31-2018	2	KIA78L10BP
TA78L009AP,F(J	38155858	Dec-31-2017	Mar-31-2018	2	KIA78L09BP
TA78L009AP,APNF(M	38156180	Dec-31-2017	Mar-31-2018	2	KIA78L09BP
TA78L009AP,6FNCF(J	38155845	Dec-31-2017	Mar-31-2018	2	KIA78L09BP
TA78L008AP,WNLF(J	38156051	Dec-31-2017	Mar-31-2018	2	KIA78L08BP
TA78L008AP,HOTIF(M	38156080	Dec-31-2017	Mar-31-2018	2	KIA78L08BP
TA78L008AP,F(J	38155856	Dec-31-2017	Mar-31-2018	2	KIA78L08BP
TA78L008AP,6MBSF(M	38156081	Dec-31-2017	Mar-31-2018	2	KIA78L08BP
TA78L008AP(TORI,FM	38156125	Dec-31-2017	Mar-31-2018	2	KIA78L08BP
TA78L008AP(DNSO,FM	38156126	Dec-31-2017	Mar-31-2018	2	KIA78L08BP
TA78L008AP(6DNS,FM	38156127	Dec-31-2017	Mar-31-2018	2	KIA78L08BP
TA78L007AP,F(J	38155854	Dec-31-2017	Mar-31-2018	0	
TA78L006AP,WNLF(J	38156050	Dec-31-2017	Mar-31-2018	2	KIA78L06BP
TA78L006AP,T6STF(M	38156159	Dec-31-2017	Mar-31-2018	2	KIA78L06BP
TA78L006AP,F(J	38155840	Dec-31-2017	Mar-31-2018	2	KIA78L06BP
TA78L005AP,WNLF(J	38156043	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP,T6WNF(J	38156049	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP,T6NSF(J	38155851	Dec-31-2017	Mar-31-2018	2	KIA78L05BP

TA78L005AP,T6F(J)	38155850	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP,SDENF(J)	38155839	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP,HOTIF(M)	38156078	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP,F(J)	38155849	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP,6KEHF(M)	38156128	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP,6FNCF(J)	38155844	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP(TORI,FM)	38156129	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP(TE6,F,M)	M1TR0019	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78L005AP(F,M)	M1TR0018	Dec-31-2017	Mar-31-2018	2	KIA78L05BP
TA78DS12BP,F(J)	38155891	Dec-31-2017	Mar-31-2018	3	NJW4184U2-12A
TA78DS10BP,F(J)	38155890	Dec-31-2017	Mar-31-2018	0	
TA78DS10BP(6MB1,FM)	38156130	Dec-31-2017	Mar-31-2018	0	
TA78DS08BP,F(J)	38155888	Dec-31-2017	Mar-31-2018	3	NJW4184U2-08A
TA78DS08BP(T6ND,FM)	M1900450	Dec-31-2017	Mar-31-2018	3	NJW4184U2-08A
TA78DS08BP(T6ND,AF)	38156018	Dec-31-2017	Mar-31-2018	3	NJW4184U2-08A
TA78DS08BP(MBS1,FM)	38156131	Dec-31-2017	Mar-31-2018	3	NJW4184U2-08A
TA78DS08BP(DNSO,FM)	M1900449	Dec-31-2017	Mar-31-2018	3	NJW4184U2-08A
TA78DS05CP,T6HYF(M)	38156132	Dec-31-2017	Mar-31-2018	2	KIA78DS05BPV
TA78DS05CP,F(J)	38155884	Dec-31-2017	Mar-31-2018	2	KIA78DS05BPV
TA78DS05CP,ASHIF(M)	38156083	Dec-31-2017	Mar-31-2018	2	KIA78DS05BPV
TA78DS05CP,6NSNF(J)	38155950	Dec-31-2017	Mar-31-2018	2	KIA78DS05BPV
TA78DS05CP,6KEHF(M)	38156115	Dec-31-2017	Mar-31-2018	2	KIA78DS05BPV
TA78DS05CP(T6ND,AF)	38155886	Dec-31-2017	Mar-31-2018	2	KIA78DS05BPV
TA78DS05CP(MBS1,FM)	38156133	Dec-31-2017	Mar-31-2018	2	KIA78DS05BPV
TA78DS05BP,T6STF(M)	38156084	Dec-31-2017	Mar-31-2018	3	NJW4184U2-05A
TA78DS05BP,T6NHF(J)	38156009	Dec-31-2017	Mar-31-2018	3	NJW4184U2-05A
TA78DS05BP,T6F(J)	38155882	Dec-31-2017	Mar-31-2018	3	NJW4184U2-05A
TA78DS05BP,F(J)	38155880	Dec-31-2017	Mar-31-2018	3	NJW4184U2-05A
TA78DS05BP(T6ND,AF)	38155883	Dec-31-2017	Mar-31-2018	3	NJW4184U2-05A
TA78DS05BP(FJTN,FM)	M1900282	Dec-31-2017	Mar-31-2018	3	NJW4184U2-05A
TA78DS05BP(FJTN,AF)	38155881	Dec-31-2017	Mar-31-2018	3	NJW4184U2-05A
TA76L431S,T6Q(M)	M1900013	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76L431S,T6Q(J)	38155873	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76L431S,Q(J)	38155871	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76L431S(T6SOY,QM)	M1900283	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76L431S(T6SOY,AQ)	38155874	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76432S,WNLF(J)	38156047	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432S,T6WNLF(J)	38156048	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432S,T6MURAF(J)	38155878	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432S,T6F(J)	38155877	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432S,F(J)	38155876	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432S(TE6,F,M)	M1TR0017	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432S(T6MURATFM)	M1TR0026	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432S(F,M)	M1TR0016	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76432AS,T6F(J)	38155848	Dec-31-2017	Mar-31-2018	2	TLV431AILP
TA76431S,WNLF(J)	38156045	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S,T6WNLF(J)	38156046	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S,T6MURAF(J)	38155897	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S,T6F(J)	38155846	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S,MEIDENF(M)	38156173	Dec-31-2017	Mar-31-2018	2	TL431AILP

TA76431S,F(J)	38155843	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S(TE6,F,M)	M1TR0011	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S(T6PSETEMF)	38144862	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S(T6NEPP,AF)	38156065	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S(T6MURATFM)	M1TR0025	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S(6NETPP,AF)	38155896	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431S(6FJTN3,FM)	38156137	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS,T6WNLF(J)	38156042	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS,T6MURF(J)	38155895	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS,T6F(J)	38155894	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS(TE6,F,M)	M1TR0009	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS(T6SOY,FM)	M1900083	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS(T6SOY,AF)	38155949	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS(T6MURAFM)	M1TR0024	Dec-31-2017	Mar-31-2018	2	TL431AILP
TA76431AS(T6CNO,FM)	38156149	Dec-31-2017	Mar-31-2018	2	TL431AILP
2SJ438(AISIN,A,Q)	38159142	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SJ438(AISIN,Q,M)	M1900299	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SJ438(CANO,A,Q)	38159018	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SJ438(CANO,Q,M)	M1900248	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SJ438,MDKQ(J)	38159019	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SJ438,MDKQ(M)	M1900298	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SJ438,Q(J)	38159017	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SJ438,Q(M)	M1900095	Dec-31-2017	Mar-31-2018	3	TPCP8111
2SK2962(F,M)	M1TS0004	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962(T6CANO,A,F)	38159009	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962(T6CANO,F,M)	M1TS0015	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962(TE6,F,M)	M1TS0005	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962,F(J)	38159006	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962,T6F(J)	38159011	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962,T6F(M)	M1TS0039	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962,T6WNLF(J)	38159586	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2962,T6WNLF(M)	38159762	Dec-31-2017	Mar-31-2018	3	TPN3300ANH
2SK2989(F,M)	M1TS0032	Dec-31-2017	Mar-31-2018	3	TPN22006NH
2SK2989(T6CANO,A,F)	38159012	Dec-31-2017	Mar-31-2018	3	TPN22006NH
2SK2989(T6CANO,F,M)	M1900250	Dec-31-2017	Mar-31-2018	3	TPN22006NH
2SK2989(TPE6,F,M)	M1TS0033	Dec-31-2017	Mar-31-2018	3	TPN22006NH
2SK2989,F(J)	38159007	Dec-31-2017	Mar-31-2018	3	TPN22006NH
2SK2989,T6F(J)	38159004	Dec-31-2017	Mar-31-2018	3	TPN22006NH
2SK3670(F,M)	M1TS0020	Dec-31-2017	Mar-31-2018	3	TPN5900CNH
2SK3670(T6CANO,A,F)	38159005	Dec-31-2017	Mar-31-2018	3	TPN5900CNH
2SK3670(T6CANO,F,M)	M1TS0016	Dec-31-2017	Mar-31-2018	3	TPN5900CNH
2SK3670,F(J)	38159008	Dec-31-2017	Mar-31-2018	3	TPN5900CNH
2SK3670,F(M)	M1TS0040	Dec-31-2017	Mar-31-2018	3	TPN5900CNH







