



TOSHIBA AMERICA ELECTRONIC COMPONENTS INC.

To: Distribution Channel

July 2014

Please be informed that Toshiba has announced discontinuation on the following Small Signal devices in July 2014. Toshiba will change the production site from Amkor Technology (Malaysia) to the Toshiba Semiconductor (Thailand) Co. Our sales records indicate you have purchased the following product(s) from Toshiba in the past.

- ※There is no change for electrical characteristics specification and reliability.
- ※For attached items, the wire-bonding material (Gold to Copper) and generic item name is slightly modified.
- ※The recommended product for new design is Thailand assembly version.

Reason

Since the flood in November 2011, Toshiba recovery plans resulted in restarting our semiconductor manufacturing operations in Thailand; Toshiba Semiconductor Thailand Co., Ltd. (TST). Our new Thailand assembled products are currently in full production and our capacity is increasing. TST is currently our main factory for Small Signal Devices and will continue to provide high quality, improved cost, and continuity of supply improvements for our customer base.

Malaysia Products Impacted With Replacement Suggestion From Thailand

Please see attachment.

Last Time Buy (LTB) Option

Toshiba will support last time buy (LTB) orders received on or before September-30-2014 with last ship (LS) date of December-31-2014. Last time buy orders for all affected products must be in place in total by the LTB Date. Deliveries will be scheduled and advised accordingly after receipt of LTB orders. 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.

Best Regards,

Logic Device, Discrete Business Unit
Toshiba America Electronics Components, Inc.

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Substitution Level**

- 0 = No 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 the other circuit modification is necessary.
- 4 = Other reason

Malaysia Generic PN	Malaysia Part Number	Discon Date	Last Time Buy	Last Shipment	Thailand Generic Part Number	Thailand Part Number	Substitution Level**	Reason	Comment
1SS361(T5L,F,T)	1SS361(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	1SS361,LJ(CT)	1SS361,LJ(CT)	1	Assembly Site Change	
1SS416(TL3,T)	1SS416(TL3,T)	4/1/2013	6/30/2014	9/30/2014	1SS416,L3M	1SS416,L3M(T)	1	Assembly Site Change	
2SA1832-GR(T5L,F,T)	2SA1832-GR(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	2SA1832-GR,LF	2SA1832-GR,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
2SA1832-Y(T5L,F,T)	2SA1832-Y(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	2SA1832-Y,LF	2SA1832-Y,LF(T)	1	Assembly Site Change	
2SK2035(T5L,F,T)	2SK2035(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	2SK2035,LF	2SK2035,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
DF2B6.8FS(TPL3,T)	DF2B6.8FS(TPL3,T)	4/1/2013	6/30/2014	9/30/2014	DF2B6.8FS,L3F	DF2B6.8FS,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
DF255.6FS(TL3,T)	DF255.6FS(TL3,T)	4/1/2013	6/30/2014	9/30/2014	DF255.6FS,L3F	DF255.6FS,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
DF3D6.8MFV(TL3,T)	DF3D6.8MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	DF3D6.8MFV,L3F	DF3D6.8MFV,L3F(T)	1	Assembly Site Change	
HN1A01FU-Y(T5L,F,T)	HN1A01FU-Y(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	HN1A01FU-Y,LF	HN1A01FU-Y,LF(T)	1	Assembly Site Change	
HN1B01FUGRLFT	HN1B01FU-GR(L,F,T)	4/1/2013	6/30/2014	9/30/2014	HN1B01FU-GR,LF	HN1B01FU-GR,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
HN1B04FU-GR(L,F,T)	HN1B04FU-GR(L,F,T)	4/1/2013	6/30/2014	9/30/2014	HN1B04FU-GR,LF	HN1B04FU-GR,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
HN1C01FUGRLFT	HN1C01FU-GR(L,F,T)	4/1/2013	6/30/2014	9/30/2014	HN1C01FU-GR,LF	HN1C01FU-GR,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1102MFV(TL3,T)	RN1102MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN1102MFV,L3F	RN1102MFV,L3F(T)	1	Assembly Site Change	
RN1102T5LFT	RN1102(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN1102,LF(CT)	RN1102,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1105(T5L,F,T)	RN1105(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN1105,LF(CT)	RN1105,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1106T5LFT	RN1106(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN1106,LF(CT)	RN1106,LF(CT)	1	Assembly Site Change	
RN1110MFV(TL3,T)	RN1110MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN1110MFV,L3F	RN1110MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1111MFV(TL3,T)	RN1111MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN1111MFV,L3F	RN1111MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1113MFV(TL3,T)	RN1113MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN1113MFV,L37F	RN1113MFV,L37F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1114MFV(TL3,T)	RN1114MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN1114MFV,L3F	RN1114MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1119MFV(TL3,T)	RN1119MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN1119MFV,L37F	RN1119MFV,L37F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1130MFV(TL3,T)	RN1130MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN1130MFV,L3F	RN1130MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1904(T5L,F,T)	RN1904(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN1904,LF(CT)	RN1904,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN1905,LF	RN1905,LF	4/1/2013	6/30/2014	9/30/2014	RN1905,LF(CT)	RN1905,LF(CT)	1	Assembly Site Change	
RN1906,LF	RN1906,LF	4/1/2013	6/30/2014	9/30/2014	RN1906,LF(CT)	RN1906,LF(CT)	1	Assembly Site Change	
RN1907,LF	RN1907,LF	4/1/2013	6/30/2014	9/30/2014	RN1907,LF(CT)	RN1907,LF(CT)	1	Assembly Site Change	
RN2103MFV(TL3,T)	RN2103MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2103MFV,L3F	RN2103MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2108MFV(TL3,T)	RN2108MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2108MFV,L3F	RN2108MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2110MFV(TL3,T)	RN2110MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2110MFV,L3F	RN2110MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2111MFV(TL3,T)	RN2111MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2111MFV,L3F	RN2111MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2114MFV(TL3,T)	RN2114MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2114MFV,L3F	RN2114MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2115MFV(TL3,T)	RN2115MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2115MFV,L3F	RN2115MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2117MFV(TL3,T)	RN2117MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2117MFV,L3F	RN2117MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2130MFV(TL3,T)	RN2130MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	RN2130MFV,L3F	RN2130MFV,L3F(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN2902,LF	RN2902,LF	4/1/2013	6/30/2014	9/30/2014	RN2902,LF(CT)	RN2902,LF(CT)	1	Assembly Site Change	
RN2903,LF	RN2903,LF	4/1/2013	6/30/2014	9/30/2014	RN2903,LF(CT)	RN2903,LF(CT)	1	Assembly Site Change	
RN2904,LF	RN2904,LF	4/1/2013	6/30/2014	9/30/2014	RN2904,LF(CT)	RN2904,LF(CT)	1	Assembly Site Change	
RN4901,LF	RN4901,LF	4/1/2013	6/30/2014	9/30/2014	RN4901,LF(CT)	RN4901,LF(CT)	1	Assembly Site Change	
RN4902,LF	RN4902,LF	4/1/2013	6/30/2014	9/30/2014	RN4902,LF(CT)	RN4902,LF(CT)	1	Assembly Site Change	
RN4905T5LFT	RN4905(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN4905,LF(CT)	RN4905,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN4982T5LFT	RN4982(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN4982,LF(CT)	RN4982,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN4983(T5L,F,T)	RN4983(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN4983,LF(CT)	RN4983,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN4984(T5L,F,T)	RN4984(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN4984,LF(CT)	RN4984,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
RN4987T5LFT	RN4987(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	RN4987,LF(CT)	RN4987,LF(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
SSM3J120TU(T5L,T)	SSM3J120TU(T5L,T)	4/1/2013	6/30/2014	9/30/2014	SSM3J120TU,LF	SSM3J120TU,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
SSM3K15FS(T5L,F,T)	SSM3K15FS(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	SSM3K15AFS,LF	SSM3K15AFS,LF(T)	1	Assembly Site Change, Chip Shrink	
SSM3K35MFV(TL3,T)	SSM3K35MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014	SSM3K35MFV,L3F	SSM3K35MFV,L3F(T)	1	Assembly Site Change	
SSM3K36FS(T5L,F,T)	SSM3K36FS(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	SSM3K36FS,LF	SSM3K36FS,LF(T)	1	Assembly Site Change	
SSM6N7002BFU(LT,FT)	SSM6N7002BFU(LT,FT)	4/1/2013	6/30/2014	9/30/2014	SSM6N7002BFU,LF	SSM6N7002BFU,LF(T)	1	Assembly Site Change	
TC45584F(T5L,F,T)	TC45584F(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	TC45584F,LF	TC45584F,LF(T)	1	Assembly Site Change	
TC4566FT5LFT	TC4566F(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	TC4566F,LF	TC4566F,LF(T)	1	Assembly Site Change	
TC7S66FUT5LFT	TC7S66FU(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	TC7S66FU,LF	TC7S66FU,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
TC7SET00F,LJ	TC7SET00F,LJ(T)	4/1/2013	6/30/2014	9/30/2014	TC7SET00F,LJ(CT)	TC7SET00F,LJ(CT)	1	Assembly Site Change	
TC7SET00F(LJ,FT)	TC7SET00F(LJ,FT)	4/1/2013	6/30/2014	9/30/2014	TC7SET00F,LJ(CT)	TC7SET00F,LJ(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
TC7SET08FU5LJFT	TC7SET08FU(LJ,FT)	4/1/2013	6/30/2014	9/30/2014	TC7SET08FU,LJ(CT)	TC7SET08FU,LJ(CT)	1	Assembly Site Change	
TC7SET125FU(L,F,T)	TC7SET125FU(L,F,T)	4/1/2013	6/30/2014	9/30/2014	TC7SET125FU,LJ(CT)	TC7SET125FU,LJ(CT)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
TC7SET126FU,LJ	TC7SET126FU,LJ	4/1/2013	6/30/2014	9/30/2014	TC7SET126FU,LJ(CT)	TC7SET126FU,LJ(CT)	1	Assembly Site Change	
TC7SET32FU(LJ,FT)	TC7SET32FU(LJ,FT)	4/1/2013	6/30/2014	9/30/2014	TC7SET32FU,LJ(CT)	TC7SET32FU,LJ(CT)	1	Assembly Site Change	
TC7SET32FU,LJ	TC7SET32FU,LJ	4/1/2013	6/30/2014	9/30/2014	TC7SET32FU,LJ(CT)	TC7SET32FU,LJ(CT)	1	Assembly Site Change	
TC7SG17FU(T5L,F,T)	TC7SG17FU(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	TC7SG17FU,LF	TC7SG17FU,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
TC7SG86FU(T5L,F,T)	TC7SG86FU(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014	TC7SG86FU,LF	TC7SG86FU,LF(T)	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
TC7SH00F,LJ	TC7SH00F,LJ	4/1/2013	6/30/2014	9/30/2014	TC7SH00F,LJ(CT)	TC7SH00F,LJ(CT)	1	Assembly Site Change	
TC7SH00FU,LJ	TC7SH00FU,LJ	4/1/2013	6/30/2014	9/30/2014	TC7SH00FU,LJ(CT)	TC7SH00FU,LJ(CT)	1	Assembly Site Change	
TC7SH02FU(T5L,JF,T)	TC7SH02FU(T5L,JF,T)	4/1/2013	6/30/2014	9/30/2014	TC7SH02FU,LJ(CT)	TC7SH02FU,LJ(CT)	1	Assembly Site Change	

