

To: Distribution Channel

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.

4 = Other reason

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.

Malaysia Generic PN	Malaysia Part Number	Discon Date	Last Time Buy	Last Thailand Generic Shipment Part Number	Thailand Part Number	Substituation 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	
2\$A1832-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	25K2035,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	, ,	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
							Assembly Site Change	
DF2S5.6FS(TL3,T)	DF2S5.6FS(TL3,T)	4/1/2013	6/30/2014	9/30/2014 DF2S5.6FS,L3F	DF2S5.6FS,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)	RN11100(15L)(1,1,1)	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)	1 1					1		
RN1111MFV(TL3,T)	RN1111MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014 RN1111MFV,L3F	RN1111MFV,L3F(T		Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
	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	
RN1119MFV(TL3,T)	RN1119MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014 RN1119MFV,L37F	RN1119MFV,L37F(T	1	Assembly Site Change	
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	
RN2110MFV(TL3,T)	RN2110MFV(TL3,T)	4/1/2013	6/30/2014	9/30/2014 RN2108MFV,L3F	RN2110MFV,L3F(T	1	Assembly Site Change	
RN2111MFV(TL3,T)	1							
	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	
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						1		
	RN4982(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014 RN4982,LF(CT	RN4982,LF(CT		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	
SSM3J120TU(T5L,T)	SSM3J120TU(T5L,T)	4/1/2013	6/30/2014	9/30/2014 SSM3J120TU,LF	SSM3J120TU,LF(T	1	Assembly Site Change	
SSM3K15FST5LFT	SSM3K15FS(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014 SSM3K15AFS,LF	SSM3K15AFS,LF(T	1	mbly Site Change, Chip S	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	
TC4S584F(T5L,F,T)	TC4S584F(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014 TC4S584F,LF	TC4S584F,LF(T	1	Assembly Site Change	
TC4S66FT5LFT	TC4S66F(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014 TC4S66F,LF	TC4S66F,LF(T	1	Assembly Site Change	1
TC7S66FUT5LFT	TC7S66FU(T5L,F,T)	4/1/2013	6/30/2014	9/30/2014 TC7S66FU,LF	TC4566FU,LF(T	1		Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
TC7SET00F.LJ						1	Assembly Site Change	replacement not in CB since wir is delayed. Will be added to CostBook at later time.
	TC7SET00F,LJ(T	4/1/2013	6/30/2014	9/30/2014 TC7SET00F,LJ(CT	TC7SET00F,LJ(CT	-	Assembly Site Change	
TC7SET00FU(5L,JF,T	TC7SET00FU(5L,JF,T	4/1/2013	6/30/2014	9/30/2014 TC7SET00FU,LJ(CT	TC7SET00FU,LJ(CT	1	Assembly Site Change	Replacement not in CB since MP is delayed. Will be added to CostBook at later time.
TC7SET08FU5LJFT	TC7SET08FU(5L,JF,T	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(5L,JF,T	TC7SET32FU(5L,JF,T	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	
TC7SH00F,LJ	1							neprocentene not in co since wir is delayed, will be duded to costbook at later time.
TC7SH00F,LJ TC7SH00FU,LJ	TC7SH00F,LJ(T	4/1/2013	6/30/2014	9/30/2014 TC7SH00F,LJ(CT	TC7SH00F,LJ(CT	1	Assembly Site Change	
ICIONUTU,LJ	TC7SH00FU,LJ	4/1/2013	6/30/2014	9/30/2014 TC7SH00FU,LJ(CT 9/30/2014 TC7SH02FU,LJ(CT	TC7SH00FU,LJ(CT TC7SH02FU,LJ(CT	1	Assembly Site Change Assembly Site Change	
TC7SH02FU(T5L.JF.T	TC7SH02FU(T5L,JF,T	4/1/2013	6/30/2014					

TC7SH02FU.LJ	TC7SH02FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SH02FU,LJ(C	T TC7SH02FU,LJ(CT	Assembly Site Change
TC7SH04FU,LJ	TC7SH02FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SH02F0,L(C		
TC7SH04FUT5LJFT	TC7SH04FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SH04FU,LJ(C		
TC7SH08F.LJ	TC7SH08F,LJ(T	4/1/2013	6/30/2014 9/30/2014 TC7SH08F,LJ(CT	тс75н04г0,Ц(ст 1	······································
TC7SH08FU,LJ	TC7SH08FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SH08FU,LI(C		
TC7SH08FUT5LJFT	TC7SH08FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SH08FU,U(C		
TC7SH125F,LF	TC7SH125F,LF(T	4/1/2013	6/30/2014 9/30/2014 TC7SH125F,LJ(C		
TC7SH14F,LJ	TC7SH14F,LJ(T	4/1/2013	6/30/2014 9/30/2014 TC7SH14F,LJ(CT	TC7SH14F,U(CT	
TC7SH14FU,LJ	TC7SH14FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SH14FU,LI(C		······································
TC7SH14FUT5LJFT	TC7SH14FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SH14FU,U(C		
TC7SH32F,LJ	TC7SH32F,LJ(T	4/1/2013	6/30/2014 9/30/2014 TC7SH32F,LJ(CT	TC7SH32F,LJ(CT	
TC7SH32FUT5LJFT	TC7SH32FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SH32FU,LI(C		
TC7SH86FU(T5L,JF,T	TC7SH86FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SH86FU,LJ(C		
TC7SHU04FU5LJFT	TC7SHU04FU(5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SHU04FU,LJ		
TC7SU04FUT5LFT	TC7SU04FU(T5L,F,T)	4/1/2013	6/30/2014 9/30/2014 TC7SU04FU,LF	TC7SU04FU,LF(T	
TC7SZ00F(T5L,JF,T)	TC7SZ00F(T5L,JF,T)	4/1/2013	6/30/2014 9/30/2014 ТС7SZ00F,Ц(СТ	TC7SZ00F,LJ(CT	
TC7SZ00FU(T5L,JF,T	TC7SZ00FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SZ00FU,LJ(C		
TC7SZ02FU(T5L,JF,T	TC7SZ02FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SZ02FU,LI(C		
TC7SZ04F(T5L,JF,T)	TC7SZ04F(T5L,JF,T)	4/1/2013	6/30/2014 9/30/2014 TC7SZ04F,LI(CT	TC7SZ04F,LJ(CT 1	
TC7SZ04FU(T5L,JF,T	TC7SZ04FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SZ04FU,LI(C		······································
TC7SZ04FU,LJ	TC7SZ04FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SZ04FU,LJ(C		······································
TC7SZ05F(T5L,JF,T)	TC7SZ05F(T5L,JF,T)	4/1/2013	6/30/2014 9/30/2014 TC7SZ05F,LJ(CT	TC7SZ05F,LJ(CT	
TC7SZ05FU(T5L,JF,T	TC7SZ05FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SZ05FU,LI(C		
TC7SZ07FU(T5L,JF,T	TC7SZ07FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SZ07FU,LI(C		
TC7SZ07FU,LJ	TC7SZ07FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SZ07FU,LJ(C		
TC7SZ08F,LJ	TC7SZ08F,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SZ08F,LJ(CT	TC7SZ08F,LJ(CT	······································
TC7SZ08FU(T5L,JF,T	TC7SZ08FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SZ08FU,Ц(С		
TC7SZ08FU.LJ	TC7SZ08FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SZ08FU,LI(C		
TC7SZ125FU.LJ	TC7SZ125FU,LJ	4/1/2013	6/30/2014 9/30/2014 TC7SZ125FU,LJ(
TC7SZ126FU(T5L,JFT	TC7SZ126FU(T5L,JFT	4/1/2013	6/30/2014 9/30/2014 TC7SZ126FU,LJ(
TC7SZ14FU(T5L,JF,T	TC7SZ14FU(T5L,JF,T	4/1/2013	6/30/2014 9/30/2014 TC7SZ14FU,LI(C		
TC7SZU04FU(T5L,JFT	TC7SZU04FU(T5L,JFT	4/1/2013	6/30/2014 9/30/2014 TC7SZU04FU,LJ		
TCR2EE10,LM	TCR2EE10,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE10,LM(C		
TCR2EE115,LM	TCR2EE115,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE115,LM(
TCR2EE12,LM	TCR2EE12,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE12,LM(C		
TCR2EE13,LM	TCR2EE13,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE13,LM(C		
TCR2EE135,LM	TCR2EE135,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE135,LM(
TCR2EE15,LM	TCR2EE15,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE15,LM(C		
TCR2EE18,LM	TCR2EE18,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE18,LM(C		
TCR2EE25,LM	TCR2EE25,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE25,LM(C		
TCR2EE28,LM	TCR2EE28,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE28,LM(C		
TCR2EE30,LM	TCR2EE30,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE30,LM(C		
TCR2EE33,LM	TCR2EE33,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE33,LM(C		
TCR2EE36,LM	TCR2EE36,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE36,LM(C		
TCR2EE45,LM	TCR2EE45,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE45,LM(C		
TCR2EE50,LM	TCR2EE50,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EE50,LM(C		
TCR2EF12,LM	TCR2EF12,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EF12,LM(C		
TCR2EF18,LM	TCR2EF18,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EF18,LM(C		
TCR2EF25,LM	TCR2EF25,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EF25,LM(C		
TCR2EF30,LM	TCR2EF30,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EF30,LM(C		
TCR2EF33,LM	TCR2EF33,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR2EF33,LM(C		
TCR3DF33,LM	TCR3DF33,LM(T	4/1/2013	6/30/2014 9/30/2014 TCR3DF33,LM(C		
		-1/1/2013	0/00/2014 0/00/2014 TCN3DF55,LIVI(C		Assembly one onange ineplacement not in to since for is delayed, will be added to COStBOOK at later time.