



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

01-Sep-2005

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #15013

TITLE: Initial Notification for ISMF to ZR Wafer Fab Transfer

EFFECTIVE DATE: 01-Jan-2006

AFFECTED CHANGE CATEGORY: ON Semiconductor Wafer Fab

AFFECTED PRODUCT DIVISION: Discrete Products

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Mark DeWitt <ffn96b@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN)

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 60 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

The purpose of this Initial PCN is to notify customers of ON Semiconductor's plan to qualify and transfer production of the Small Signal NPN Transistors, Small Signal PNP Transistors, Switching Diodes, Digital Transistors, and USB Filters, from ON Semiconductor's ISMF Wafer Fab facility in Seremban (Malaysia) to ON Semiconductor's ZR Wafer Fab facility Phoenix, Arizona (USA).

The device design, electrical specifications, and mask sets will remain identical. A full electrical characterization over temperature will be performed for each qualification vehicle to ensure device functionality and electrical specifications.

Multiple final PCNs will be published, starting in the second quarter of 2006, providing the qualification results and effective planned production release dates at ZR for specific devices. The final PCNs will be published after 504 hrs of reliability testing is complete.



Initial Product/Process Change Notification #15013

QUALIFICATION PLAN:

Qualification of each device type to be transferred is being performed to the following requirements

1. Three temperature electrical characterization (3 lots, 35 units each, at -55C, 25C, 150C)
2. ESD Testing (3 lots), Human Body Model, Machine Model.

Reliability testing will be performed on qualification vehicles chosen based on die size, voltage rating, and run rates.

Reliability Plan:

Device(s) = BCX19LT1, MMBT589LT1, BAS116LT1, BAS21LT1, DTC113EM3T5G, DTC114YM3T5G, DTC115EM3T5G, MMUN2214LT1, MMBTA42LT1, MMBT2369ALT1

<u>Test</u>	<u>Conditions</u>	<u>Interval</u>	<u>Sample Size</u> (Lots x Units)
HTRB	Ta = 150° C, bias=80% rated V	1008 hrs	3x80
H3TRB+PC	Ta = 85° C, RH = 85% bias=80% rated V	1008 hrs	3x80
IOL	Ta = 25° C, delta Tj = 100° C, 2 min on/off for 15000 cycle	15000 cycle	3x80
TC+PC	150C	1000 cycle	3x80
AC+PC	Ta = 121° C, RH=100%, 15 PSIG	96 hrs	3x80
HTSL	Ta = 150° C	1008 hrs	3x80

Device = STF202-22T1

<u>Test</u>	<u>Conditions</u>	<u>Interval</u>	<u>Sample Size</u> (Lots x Units)
HTRB	Ta = 150°C, bias=80% rated V	1008 hrs	3x80
H3TRB+PC	Ta = 85°C, RH = 85%, Vr = 4.2V	1008 hrs	3x80
IOL	Ta = 25°C, delta Tj = 100 deg C, 2 min on/off for 15000 cycle	15000 cycle	3x80
HTSL	Ta = 150°C	1008 hrs	3x80
RSH	Ta = 260°C, dwell = 10 sec		3x80

Electrical Characterization Plan:

Datasheet specifications and product electrical performance will remain unchanged.

Characterization on each qualification vehicle device will be performed to the following requirements:

- 1) ESD performance (HBM, MM, CDM*) on 15 units from 1 lot
- 2) Three temperature electrical characterization on 30 units from 3 lots



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device	Device
1SS400T1	2N5088	BAL99LT1	BAV74LT3	BC327-025
2N3903RLRM	2N5088RLRA	BAL99LT1G	BAV99LT1	BC327-025G
2N3904	2N5089	BAS116LT1	BAV99LT1G	BC327-040
2N3904G	2N5089G	BAS116LT1G	BAV99LT3	BC327-16ZL1
2N3904RL1	2N5210RLRA	BAS16DXV6T1	BAV99LT3G	BC327-25RL1
2N3904RL1G	2N5400	BAS16DXV6T1G	BAV99RWT1	BC327-25RL1G
2N3904RLRA	2N5400RLRP	BAS16HT1	BAV99RWT1G	BC327-25ZL1
2N3904RLRAG	2N5401	BAS16HT1G	BAV99WT1	BC327-25ZL1G
2N3904RLRM	2N5401G	BAS16LT1	BAV99WT1G	BC327-40ZL1
2N3904RLRMG	2N5401RL1	BAS16LT1G	BAW56LT1	BC327-40ZL1G
2N3904RLRP	2N5401RLRA	BAS16LT3	BAW56LT1G	BC327G
2N3904RLRPG	2N5401RLRAG	BAS16LT3G	BAW56LT3	BC327RL1
2N3904ZL1	2N5401RLRM	BAS16TT1	BAW56LT3G	BC327ZL1
2N3904ZL1G	2N5401RLRMG	BAS16TT1G	BAW56TT1	BC327ZL1G
2N3906	2N5401ZL1	BAS16WT1	BAW56TT1G	BC337
2N3906G	2N5550	BAS16WT1G	BAW56WT1	BC337-016
2N3906RL1	2N5550G	BAS16XV2T1	BAW56WT1G	BC337-016G
2N3906RL1G	2N5550RLRA	BAS16XV2T1G	BC182	BC337-025
2N3906RLRA	2N5550RLRP	BAS19LT1	BC182A	BC337-025G
2N3906RLRAG	2N5550RLRPG	BAS19LT1G	BC182AG	BC337-040
2N3906RLRM	2N5551	BAS19LT3	BC182B	BC337-040G
2N3906RLRMG	2N5551G	BAS20HT1	BC182BG	BC337-16RL1
2N3906RLRP	2N5551RL1	BAS20HT1G	BC182BRL1	BC337-16ZL1
2N3906RLRPG	2N5551RLRA	BAS20LT1	BC182BRL1G	BC337-16ZL1G
2N3906ZL1	2N5551RLRM	BAS20LT1G	BC182G	BC337-25RL1
2N3906ZL1G	2N5551RLRP	BAS21DW5T1	BC212B	BC337-25RL1G
2N4123RLRM	2N5551RLRPG	BAS21DW5T1G	BC212BG	BC337-25ZL1
2N4124	2N5551ZL1	BAS21HT1	BC212BRL1	BC337-25ZL1G
2N4401	2N5551ZL1G	BAS21HT1G	BC212BRL1G	BC337-40RL1
2N4401G	2N6426	BAS21LT1	BC237	BC337-40RL1G
2N4401RLRA	2N6426RLRA	BAS21LT1G	BC237B	BC337-40ZL1
2N4401RLRAG	2N6427	BAS21LT3	BC237BG	BC337-40ZL1G
2N4401RLRM	2N6427RLRA	BAS21LT3G	BC237BRL1	BC337G
2N4401RLRP	2N6520RLRA	BAS21SLT1	BC237BRL1G	BC337RL1
2N4401RLRPG	2N6520RLRAG	BAS21SLT1G	BC237BZL1	BC337ZL1
2N4403	2SA1020	BAV199LT1	BC237BZL1G	BC337ZL1G
2N4403G	2SA1020RLRA	BAV199LT1G	BC237C	BC338-25ZL1
2N4403RL	2SA1020RLRAG	BAV70DXV6T1	BC237G	BC338-25ZL1G
2N4403RLRA	2SA1774	BAV70LT1	BC239C	BC368
2N4403RLRAG	2SA1774G	BAV70LT1G	BC307B	BC368G
2N4403RLRM	2SA1774T1	BAV70LT3	BC307BG	BC368ZL1
2N4403RLRMG	2SA1774T1G	BAV70LT3G	BC307BRL1	BC368ZL1G
2N4403RLRP	2SA2029M3T5G	BAV70TT1	BC307BRL1G	BC369
2N4403RLRPG	2SC4617	BAV70TT1G	BC307BZL1	BC369ZL1
2N4403ZL1	2SC4617G	BAV70WT1	BC307C	BC372
2N5087	2SC4617T1	BAV70WT1G	BC307CG	BC372G
2N5087G	2SC4617T1G	BAV74LT1	BC327	BC373
2N5087RLRA	2SC5658M3T5G	BAV74LT1G	BC327-016	BC373RL1



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device	Device
BC373ZL1	BC548B	BC638G	BC846BLT1G	BC848CLT1
BC447	BC548BG	BC638ZL1	BC846BLT3	BC848CLT1G
BC447G	BC548BRL1	BC639	BC846BLT3G	BC848CPDW1T1
BC449	BC548BRL1G	BC639-16ZL1	BC846BPDW1T1	BC848CPDW1T1G
BC449A	BC548BZL1	BC639-16ZL1G	BC846BPDW1T1G	BC848CWT1
BC449G	BC548BZL1G	BC639G	BC846BWT1	BC848CWT1G
BC487	BC548C	BC639RL1	BC846BWT1G	BC849BLT1
BC487B	BC548CZL1	BC639RL1G	BC847ALT1	BC849BLT1G
BC487BRL1	BC548CZL1G	BC639ZL1	BC847ALT1G	BC849BLT3
BC487G	BC549C	BC639ZL1G	BC847AWT1	BC849CLT1
BC488BRL1	BC549CG	BC640	BC847AWT1G	BC849CLT1G
BC489	BC550C	BC640-016	BC847BDW1T1	BC850BLT1
BC489A	BC550CG	BC640-016G	BC847BDW1T1G	BC850BLT1G
BC489AG	BC556B	BC640G	BC847BDW1T3	BC850CLT1
BC489AZL1	BC556BG	BC640ZL1	BC847BLT1	BC850CLT1G
BC489AZL1G	BC556BZL1	BC640ZL1G	BC847BLT1G	BC856ALT1
BC489BZL1	BC556BZL1G	BC807-16LT1	BC847BLT3	BC856ALT1G
BC489G	BC557AZL1	BC807-16LT1G	BC847BLT3G	BC856ALT3
BC489RL1	BC557AZL1G	BC807-16LT3	BC847BPDW1T1	BC856BDW1T1
BC490	BC557B	BC807-25LT1	BC847BPDW1T1G	BC856BDW1T1G
BC490A	BC557BG	BC807-25LT1G	BC847BPDV6T1	BC856BDW1T3
BC490AZL1	BC557BRL1	BC807-25LT3	BC847BTT1	BC856BLT1
BC490AZL1G	BC557BRL1G	BC807-40LT1	BC847BTT1G	BC856BLT1G
BC517	BC557BZL1	BC807-40LT1G	BC847BWT1	BC856BLT3
BC517G	BC557BZL1G	BC807-40LT3	BC847BWT1G	BC856BLT3G
BC517RL1	BC557C	BC807-40LT3G	BC847CDW1T1	BC856BWT1
BC517RL1G	BC557CZL1	BC808-25LT1	BC847CDW1T1G	BC856BWT1G
BC517ZL1	BC557CZL1G	BC808-40LT1	BC847CDV6T1	BC857ALT1
BC546B	BC558BRL	BC817-16LT1	BC847CLT1	BC857ALT1G
BC546BG	BC558BRL1	BC817-16LT1G	BC847CLT1G	BC857BDW1T1
BC546BRL1	BC558BRL1G	BC817-16LT3	BC847CLT3	BC857BDW1T1G
BC546BRL1G	BC558BRLG	BC817-25LT1	BC847CLT3G	BC857BLT1
BC546BZL1	BC558BZL1	BC817-25LT1G	BC847CTT1	BC857BLT1G
BC546BZL1G	BC558CZL1	BC817-25LT3	BC847CTT1G	BC857BLT3
BC547ARL	BC558CZL1G	BC817-40LT1	BC847CWT1	BC857BLT3G
BC547ARL1	BC560C	BC817-40LT1G	BC847CWT1G	BC857BTT1
BC547ARL1G	BC560CG	BC817-40LT3	BC848ALT1	BC857BTT1G
BC547AZL1	BC560CZL1	BC817-40LT3G	BC848ALT1G	BC857BWT1
BC547AZL1G	BC560CZL1G	BC818-40LT1	BC848BLT1	BC857BWT1G
BC547B	BC618	BC818-40LT1G	BC848BLT1G	BC857CDW1T1
BC547BG	BC618RL1	BC846ALT1	BC848BLT3	BC857CDW1T1G
BC547BRL1	BC618RL1G	BC846ALT1G	BC848BLT3G	BC857CLT1
BC547BRL1G	BC635RL1	BC846ALT3	BC848BWT1	BC857CLT1G
BC547BZL1	BC635RL1G	BC846AWT1	BC848BWT1G	BC857CWT1
BC547BZL1G	BC635ZL1	BC846AWT1G	BC848CDW1T1	BC857CWT1G
BC547C	BC637	BC846BDW1T1	BC848CDW1T1G	BC858ALT1
BC547CZL1	BC637G	BC846BDW1T1G	BC848CDV6T1	BC858ALT1G
BC547CZL1G	BC638	BC846BLT1	BC848CDV6T5	BC858AWT1



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device	Device
BC858AWT1G	BCW65CLT1	BSS64LT1G	DTC115EET1	IMH20TR1G
BC858BLT1	BCW65CLT1G	BSV52LT1	DTC115EET1G	LC945P
BC858BLT1G	BCW66GLT1	BSV52LT1G	DTC115EM3T5G	LC945Q
BC858BLT3	BCW66GLT1G	DA121TT1	DTC123EET1	LM9014B
BC858BLT3G	BCW68GLT1	DA121TT1G	DTC123EET1G	LM9014C
BC858BWT1	BCW68GLT1G	DAN222	DTC123JET1	LM9014D
BC858BWT1G	BCW70LT1	DAN222G	DTC123JET1G	LMB106L1WP
BC858CDW1T1	BCW70LT1G	DAN222T1	DTC123JM3T5G	LMC2222AWP
BC858CDW1T1G	BCW72LT1	DAN222T1G	DTC124EET1	LMC3904WP
BC858CDXV6T1	BCW72LT1G	DAP202U	DTC124EET1G	LMC3906WP
BC858CDXV6T5	BCX17LT1	DAP222	DTC124EM3T5G	LMC56WP
BC858CLT1	BCX17LT1G	DAP222G	DTC124XET1	LMC807-25WP
BC858CLT1G	BCX18LT1	DAP222T1	DTC124XET1G	LMC99WP
BC858CLT3	BCX18LT1G	DAP222T1G	DTC143E	LMCF036WP
BC858CLT3G	BCX19LT1	DTA114EET1	DTC143EET1	LMCF091WP
BC859BLT1	BCX19LT1G	DTA114EET1G	DTC143EET1G	LMCF102WP
BC859BLT1G	BCX56-10R1	DTA114EM3T5G	DTC143EM3T5G	LMCF103WP
BC859BLT3	BCX71JLT1	DTA114TET1	DTC143TET1	LMCF123WP
BC859CLT1	BCX71JLT1G	DTA114TET1G	DTC143TET1G	LMCF143WP
BC859CLT1G	BDC01DRL1	DTA114YE	DTC143ZET1	LMCF145WP
BCP53-10T1	BF393	DTA114YET1	DTC143ZET1G	LMCF151WP
BCP53-10T1G	BF393G	DTA114YET1G	DTC144EET1	LMCF152WP
BCP53-16T1	BF393ZL1	DTA115EET1	DTC144EET1G	LMCF153WP
BCP53-16T1G	BF393ZL1G	DTA115EET1G	DTC144EM3T5G	LMCF155WP
BCP53T1	BF421ZL1	DTA115EM3T5G	DTC144TM3T5G	LMCF19CWP
BCP53T1G	BF421ZL1G	DTA123EET1	DTC144TT1	LMCF1E5WP
BCP56-10T1	BF422	DTA123EET1G	EMA6DXV5T1	LMCF2111WP
BCP56-10T1G	BF422G	DTA123JET1	EMC2DXV5T1	LMCF2112WP
BCP56-16T1	BF422RL1	DTA124EET1	EMC3DXV5T1	LMCF2113WP
BCP56-16T1G	BF422ZL1	DTA124XET1	EMC3DXV5T5	LMCF2114WP
BCP56-16T3	BF422ZL1G	DTA143EET1	EMC5DXV5T1	LMCF2115WP
BCP56T1	BF423	DTA143EET1G	EMD4DXV6T5	LMCF2116WP
BCP56T1G	BF423G	DTA143TET1	EMD5DXV6T5	LMCF2131WP
BCP56T3	BF423ZL1	DTA143ZET1	EMF5XV6T5	LMCF2132WP
BCP56T3G	BF423ZL1G	DTA143ZET1G	EMG2DXV5T1	LMCF2133WP
BCP68T1	BF493S	DTA144EET1	EMG2DXV5T5	LMCF2134WP
BCP68T1G	BF493SG	DTA144EET1G	EMT1DXV6T1	LMCF2211WP
BCP69T1	BF720T1	DTA144EM3T5G	EMT1DXV6T5	LMCF2212WP
BCP69T1G	BF720T1G	DTA144TM3T5G	EMX1DXV6T1	LMCF2213WP
BCW30LT1	BF720T3	DTC114EET1	EMX1DXV6T5	LMCF2214WP
BCW30LT1G	BF721T1	DTC114EET1G	EMX2DXV6T5	LMCF2215WP
BCW32LT1	BSP16T1	DTC114EM3T5G	EMX2DXV6T5G	LMCF2216WP
BCW32LT1G	BSP16T1G	DTC114TET1	EMZ1DXV6T1	LMCF2230WP
BCW33LT1	BSP52T1	DTC114TET1G	EMZ1DXV6T5	LMCF2231WP
BCW33LT1G	BSP52T1G	DTC114TM3T5G	HN1B01FDW1T1	LMCF2232WP
BCW33LT3	BSS63LT1	DTC114YET1	HN1B01FDW1T1G	LMCF2233WP
BCW65ALT1	BSS63LT1G	DTC114YET1G	HN2D02FUTW1T1	LMCF2234WP
BCW65ALT1G	BSS64LT1	DTC114YM3T5G	HN2D02FUTW1T1G	LMCF2369WP



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device
LMCF5087WP	MBT3904DW1T3G	MMBT2369ALT3	MMBT5401LT1
LMCF601RWP	MBT3904DW2T1	MMBT2369LT1	MMBT5401LT1G
LMCF709RWP	MBT3904DW2T1G	MMBT2369LT1G	MMBT5401LT3
LMCF807-16WP	MBT3906DW1T1	MMBT2484LT1	MMBT5401LT3G
LMCF817-16WP	MBT3906DW1T1G	MMBT2484LT1G	MMBT5550LT1
LMCF847BWP	MBT3946DW1T1	MMBT2907ALT1	MMBT5550LT1G
LMCF856AWP	MBT3946DW1T1G	MMBT2907ALT1G	MMBT5551LT1
LMCF857CWP	MBT3946DW1T2G	MMBT2907ALT3	MMBT5551LT1G
LMCFA14WP	MBT6429DW1T1	MMBT2907ALT3G	MMBT5551LT3
LMCFA56WP	MBT6429DW1T1G	MMBT2907AWT1	MMBT589LT1
LMCFA64WP	MMBD2835LT1	MMBT2907AWT1G	MMBT589LT1G
LMCFA8DWP	MMBD2835LT1G	MMBT3416LT3	MMBT6427LT1
LMCFAR1WP	MMBD2836LT1	MMBT3904LT1	MMBT6427LT1G
LMCFS21WP	MMBD2836LT1G	MMBT3904LT1G	MMBT6427LT3
LPC2907AWP	MMBD2837LT1	MMBT3904LT3	MMBT6428LT1
LXT2554L1WP	MMBD2838LT1	MMBT3904LT3G	MMBT6428LT1G
M1MA141KT1	MMBD2838LT1G	MMBT3904TT1	MMBT6429LT1
M1MA141WAT1	MMBD6050LT1	MMBT3904TT1G	MMBT6429LT1G
M1MA141WAT1G	MMBD6050LT1G	MMBT3904WT1	MMBT6520LT1
M1MA141WKT1	MMBD6050LT3	MMBT3904WT1G	MMBT6520LT1G
M1MA142KT1	MMBD6050LT3G	MMBT3906LT1	MMBT6520LT3
M1MA142WAT1	MMBD6100LT1	MMBT3906LT1G	MMBT6521LT1
M1MA142WAT1G	MMBD6100LT1G	MMBT3906LT3	MMBT6589T1
M1MA142WKT1	MMBD6100LT3	MMBT3906LT3G	MMBT8099LT1
M1MA142WKT1G	MMBD7000LT1	MMBT3906TT1	MMBTA05LT1
M1MA151AT1	MMBD7000LT1G	MMBT3906TT1G	MMBTA05LT1G
M1MA151KT1	MMBD7000LT3	MMBT3906WT1	MMBTA05LT3
M1MA151KT1G	MMBD7000LT3G	MMBT3906WT1G	MMBTA06LT1
M1MA151WAT1	MMBD914LT1	MMBT4124LT1	MMBTA06LT1G
M1MA151WAT1G	MMBD914LT1G	MMBT4126LT1	MMBTA06LT3
M1MA151WKT1	MMBD914LT3	MMBT4401LT1	MMBTA06WT1
M1MA151WKT1G	MMBD914LT3G	MMBT4401LT1G	MMBTA06WT1G
M1MA152AT1	MMBT2131T1	MMBT4401LT3	MMBTA13LT1
M1MA152AT1G	MMBT2131T1G	MMBT4401WT1	MMBTA13LT1G
M1MA152KT1	MMBT2132T1	MMBT4403LT1	MMBTA14LT1
M1MA152KT1G	MMBT2132T3	MMBT4403LT1G	MMBTA14LT1G
M1MA152WAT1	MMBT2222ALT1	MMBT4403LT3	MMBTA20LT1
M1MA152WAT1G	MMBT2222ALT1G	MMBT4403WT1	MMBTA42LT1
M1MA152WKT1	MMBT2222ALT3	MMBT4403WT1G	MMBTA42LT1G
M1MA152WKT1G	MMBT2222ATT1	MMBT489LT1	MMBTA42LT3
M1MA174T1	MMBT2222ATT1G	MMBT489LT1G	MMBTA42LT3G
M1MA174T1G	MMBT2222AWT1	MMBT5087LT1	MMBTA43LT1
MBT2222ADW1T1	MMBT2222AWT1G	MMBT5087LT1G	MMBTA43LT1G
MBT35200MT1	MMBT2222LT1	MMBT5087LT3	MMBTA55LT1
MBT35200MT1G	MMBT2222LT1G	MMBT5088LT1	MMBTA55LT1G
MBT3904DW1T1	MMBT2222LT3	MMBT5088LT1G	MMBTA55LT3
MBT3904DW1T1G	MMBT2369ALT1	MMBT5089LT1	MMBTA56LT1
MBT3904DW1T3	MMBT2369ALT1G	MMBT5089LT1G	MMBTA56LT1G



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device
MMBTA56LT3	MMUN2114LT1G	MPS2222AZL1	MPS6602RLRA
MMBTA56WT1	MMUN2115LT1	MPS2222G	MPS6651
MMBTA56WT1G	MMUN2115LT1G	MPS2222RLRA	MPS6651G
MMBTA63LT1	MMUN2116LT1	MPS2222RLRM	MPS6652
MMBTA64LT1	MMUN2116LT1G	MPS2222RLRP	MPS6652RLRA
MMBTA64LT1G	MMUN2130LT1	MPS2222RLRPG	MPS6652RLRAG
MMBTA70LT1	MMUN2131LT1	MPS2907A	MPS6717
MMBTA70LT1G	MMUN2131LT1G	MPS2907AG	MPS6717RLRA
MMBTA92LT1	MMUN2132LT1	MPS2907ARL	MPS6724
MMBTA92LT1G	MMUN2132LT1G	MPS2907ARL1	MPS6724RLRA
MMBTA92LT3	MMUN2133LT1	MPS2907ARLRA	MPS6724RLRAG
MMBTA92LT3G	MMUN2133LT1G	MPS2907ARLRAG	MPS6725
MMBTA93LT1	MMUN2134LT1	MPS2907ARLRE	MPS6725RLRP
MMDL6050T1	MMUN2211LT1	MPS2907ARLREG	MPS6726
MMDL6050T1G	MMUN2211LT1G	MPS2907ARLRM	MPS6727
MMDL914T1	MMUN2211LT3	MPS2907ARLRP	MPS6729
MMDL914T1G	MMUN2211LT3G	MPS2907ARLRPG	MPS750
MMPQ2222A	MMUN2212LT1	MPS2907AZL1	MPS750G
MMPQ2222AR1	MMUN2212LT1G	MPS3638A	MPS750RLRA
MMPQ2222AR2	MMUN2213LT1	MPS4124	MPS750RLRP
MMPQ3467	MMUN2213LT1G	MPS4124G	MPS751
MMPQ3904	MMUN2214LT1	MPS4124RLRA	MPS751G
MMPQ3904R1	MMUN2214LT1G	MPS4126RLRA	MPS751RLRA
MMPQ3904R2	MMUN2215LT1	MPS4250	MPS751RLRP
MMPQ3906	MMUN2215LT1G	MPS4250ARLRM	MPS751RLRPG
MMPQ3906R1	MMUN2216LT1	MPS4250G	MPS751ZL1
MMPQ3906R2	MMUN2216LT1G	MPS4356RLRA	MPS751ZL1G
MMPQ6700	MMUN2230LT1	MPS5172	MPS8098
MMPQ6700R1	MMUN2231LT1	MPS5172RLRM	MPS8098RLRA
MMSD103T1	MMUN2231LT1G	MPS650	MPS8099
MMSD103T1G	MMUN2232LT1	MPS650G	MPS8099RLRA
MMSD4148T1	MMUN2232LT1G	MPS650RLRA	MPS8099RLRM
MMSD4148T1G	MMUN2233LT1	MPS650ZL1	MPS8099RLRP
MMSD71RKT1	MMUN2233LT1G	MPS650ZL1G	MPS8598RLRA
MMSD914T1	MMUN2234LT1	MPS651	MPS8599
MMSD914T1G	MMUN2238LT1	MPS651RLRA	MPS8599RLRA
MMSD914T3	MMUN2238LT1G	MPS651RLRM	MPS8599RLRAG
MMUN2111LT1	MMUN2241LT1	MPS651RLRMG	MPS8599RLRM
MMUN2111LT1G	MPS2222	MPS6521	MPSA05
MMUN2111LT3	MPS2222A	MPS6521RLRA	MPSA05G
MMUN2111LT3G	MPS2222AG	MPS6523	MPSA05RLRA
MMUN2112LT1	MPS2222ARL	MPS6560	MPSA05RLRAG
MMUN2112LT1G	MPS2222ARLG	MPS6601	MPSA05RLRM
MMUN2113LT1	MPS2222ARLRA	MPS6601G	MPSA05RLRMG
MMUN2113LT1G	MPS2222ARLRAG	MPS6601RLRA	MPSA06
MMUN2113LT3	MPS2222ARLRM	MPS6601RLRAG	MPSA06G
MMUN2113LT3G	MPS2222ARLRP	MPS6602	MPSA06RL
MMUN2114LT1	MPS2222ARLRPG	MPS6602G	MPSA06RL1



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device
MPSA06RL1G	MPSA42ZL1	MPSA93RLRM	MSB92AWT1
MPSA06RLRA	MPSA42ZL1G	MPSW01	MSB92AWT1G
MPSA06RLRAG	MPSA43	MPSW01A	MSB92T1
MPSA06RLRM	MPSA43RLRA	MPSW01ARLRA	MSB92T1G
MPSA06RLRP	MPSA43ZL1	MPSW01ARLRP	MSB92WT1
MPSA06RLRPG	MPSA43ZL1G	MPSW01ARLRPG	MSB92WT1G
MPSA12	MPSA55	MPSW05	MSC2712GT1
MPSA12RLRA	MPSA55G	MPSW05G	MSC2712GT1G
MPSA12RLRP	MPSA55RLRA	MPSW06	MSC2712YT1
MPSA13	MPSA55RLRAG	MPSW06RLRA	MSC2712YT1G
MPSA13G	MPSA56	MPSW06RLRAG	MSD1328-RT1
MPSA13RLRA	MPSA56G	MPSW13RLRA	MSD1328-RT1G
MPSA13RLRAG	MPSA56RLRA	MPSW42	MSD1328-ST1
MPSA13RLRM	MPSA56RLRAG	MPSW42RLRA	MSD1328-ST1G
MPSA13RLRMG	MPSA56RLRM	MPSW42RLRAG	MSD1819A-RT1
MPSA13RLRP	MPSA56RLRMG	MPSW45	MSD1819A-RT1G
MPSA13RLRPG	MPSA56RLRP	MPSW45A	MSD42SWT1
MPSA13ZL1	MPSA56ZL1	MPSW45AG	MSD42SWT1G
MPSA13ZL1G	MPSA62	MPSW45ARLRA	MSD42T1
MPSA14	MPSA63	MPSW45AZL1	MSD42T1G
MPSA14G	MPSA63G	MPSW45AZL1G	MSD42WT1
MPSA14RLRA	MPSA63RLRA	MPSW45RLRE	MSD42WT1G
MPSA14RLRAG	MPSA63RLRAG	MPSW51	MSD601-RT1
MPSA14RLRP	MPSA63RLRM	MPSW51A	MSD601-RT1G
MPSA18	MPSA63RLRP	MPSW51ARLRA	MSD601-ST1
MPSA18RLRA	MPSA63ZL1	MPSW51ARLRP	MSD601-ST1G
MPSA18RLRM	MPSA63ZL1G	MPSW55	MSD602-RT1
MPSA18RLRP	MPSA64	MPSW55RLRA	MSD602-RT1G
MPSA20	MPSA64RLRA	MPSW56RLRA	MSD6100
MPSA27	MPSA64RLRM	MPSW56RLRAG	MSD6100RLRA
MPSA27RLRA	MPSA70RLRM	MPSW56RLRP	MUN2111T1
MPSA28	MPSA75RLRP	MPSW63	MUN2111T1G
MPSA28RLRP	MPSA77	MPSW63RLRA	MUN2111T3
MPSA29	MPSA77RLRA	MPSW92	MUN2112T1
MPSA29G	MPSA92	MPSW92RLRA	MUN2112T1G
MPSA29RLRP	MPSA92G	MPSW92RLRAG	MUN2113T1
MPSA29RLRPG	MPSA92RL1	MSA1162GT1	MUN2113T1G
MPSA42	MPSA92RL1G	MSA1162GT1G	MUN2114T1
MPSA42G	MPSA92RLRA	MSA1162YT1	MUN2114T1G
MPSA42RL1	MPSA92RLRAG	MSA1162YT1G	MUN2115T1
MPSA42RL1G	MPSA92RLRM	MSB1218A-RT1	MUN2115T1G
MPSA42RLRA	MPSA92RLRMG	MSB1218A-RT1G	MUN2116T1
MPSA42RLRAG	MPSA92RLRP	MSB709-RT1	MUN2116T1G
MPSA42RLRF	MPSA92RLRPG	MSB709-RT1G	MUN2130T1
MPSA42RLRM	MPSA92ZL1	MSB710-RT1	MUN2131T1
MPSA42RLRMG	MPSA92ZL1G	MSB710-RT1G	MUN2132T1
MPSA42RLRP	MPSA93	MSB92ASWT1	MUN2132T1G
MPSA42RLRPG	MPSA93G	MSB92ASWT1G	MUN2133T1



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device
MUN2134T1	MUN5115DW1T1	MUN5231DW1T1	NSBA123JDXV6T1
MUN2137T1	MUN5115DW1T1G	MUN5231T1	NSBA123JDXV6T5
MUN2211JT1	MUN5115T1	MUN5232DW1T1	NSBA124EDXV6T5
MUN2211JT1G	MUN5115T1G	MUN5232DW1T1G	NSBA143TDXV6T1
MUN2211T1	MUN5116DW1T1	MUN5232T1	NSBA143TDXV6T5
MUN2211T1G	MUN5116T1	MUN5232T1G	NSBA144EDXV6T1
MUN2211T3	MUN5130T1	MUN5233DW1T1	NSBA144EDXV6T5
MUN2211T3G	MUN5130T1G	MUN5233T1	NSBC113EDXV6T1
MUN2212T1	MUN5131DW1T1	MUN5233T1G	NSBC114EDXV6T1
MUN2212T1G	MUN5131T1	MUN5234DW1T1	NSBC114EDXV6T5
MUN2213JT1	MUN5131T1G	MUN5234T1	NSBC114EPDXV6T1
MUN2213T1	MUN5132T1	MUN5235DW1T1	NSBC114EPDXV6T5
MUN2213T1G	MUN5132T1G	MUN5235DW1T1G	NSBC114TDXV6T1
MUN2214T1	MUN5133DW1T1	MUN5235T1	NSBC114TDXV6T5
MUN2214T1G	MUN5133T1	MUN5237DW1T1	NSBC114YDXV6T1
MUN2214T3	MUN5133T1G	MUN5237T1G	NSBC114YDXV6T5
MUN2215T1	MUN5134DW1T1	MUN5311DW1T1	NSBC114YPDXV6T1
MUN2215T1G	MUN5135DW1T1	MUN5311DW1T1G	NSBC114YPDXV6T5
MUN2216T1	MUN5135DW1T1G	MUN5312DW1T1	NSBC115EDXV6T1
MUN2216T1G	MUN5135T1	MUN5312DW1T1G	NSBC115EDXV6T5
MUN2230T1	MUN5135T1G	MUN5313DW1T1	NSBC123JDXV6T1
MUN2231T1	MUN5137T1	MUN5313DW1T1G	NSBC123JDXV6T5
MUN2232T1	MUN5137T1G	MUN5314DW1T1	NSBC123JPDXV6T1
MUN2232T1G	MUN5211DW1T1	MUN5314DW1T1G	NSBC123JPDXV6T5
MUN2233T1	MUN5211DW1T1G	MUN5315DW1T1	NSBC124EDXV6T1
MUN2233T1G	MUN5211T1	MUN5316DW1T1	NSBC124EDXV6T5
MUN2234T1	MUN5211T1G	MUN5316DW1T1G	NSBC124EPDXV6T1
MUN2236T1	MUN5212DW1T1	MUN5330DW1T1	NSBC124EPDXV6T5
MUN2237T1	MUN5212DW1T1G	MUN5330DW1T1G	NSBC143EPDXV6T1
MUN2237T1G	MUN5212T1	MUN5331DW1T1	NSBC143TDXV6T5
MUN2240T1	MUN5212T1G	MUN5331DW1T1G	NSBC143TPDXV6T1
MUN2241T1	MUN5213DW1T1	MUN5332DW1T1	NSBC143TPDXV6T5
MUN5111DW1T1	MUN5213DW1T1G	MUN5333DW1T1	NSBC143ZPDV6T1
MUN5111DW1T1G	MUN5213T1	MUN5334DW1T1	NSBC143ZPDV6T5
MUN5111T1	MUN5213T1G	MUN5335DW1T1	NSBC144EDXV6T1
MUN5111T1G	MUN5214DW1T1	MUN5335DW1T1G	NSBC144EDXV6T5
MUN5112DW1T1	MUN5214DW1T1G	MUN5335DW1T2	NSBC144EPDXV6T1
MUN5112T1	MUN5214T1	MUN5335DW1T2G	NSBC144EPDXV6T5
MUN5112T1G	MUN5214T1G	NSB1706DMW5T1G	NSD914XV2T1
MUN5113DW1T1	MUN5215DW1T1	NSB4904DW1T1G	NSD914XV2T1G
MUN5113DW1T1G	MUN5215DW1T1G	NSB4904DW1T2G	NSDEMN11XV6T1
MUN5113T1	MUN5215T1	NSB9435T1	NSDEMP11XV6T1
MUN5113T1G	MUN5215T1G	NSBA114EDXV6T1	NSDEMP11XV6T5
MUN5113T3	MUN5216DW1T1	NSBA114EDXV6T5	NSL05TT1
MUN5114DW1T1	MUN5216DW1T1G	NSBA114TDXV6T1	NSL12AWT1
MUN5114DW1T1G	MUN5216T1	NSBA114TDXV6T5	NSL12AWT1G
MUN5114T1	MUN5216T1G	NSBA114YDXV6T1	NSL12TT1
MUN5114T1G	MUN5230DW1T1	NSBA115EDXV6T1	NSL35TT1



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device
NSS35200CF8T1G	NUF8401MNT4G	PZTA96ST1	SMBD1064LT1
NSSB1001LT1	NUF8402MNT4G	PZTA96ST1G	SMBD1087LT1
NST3904DXV6T1	NUF9001FCT1	SBAS16LT1	SMBD1099T
NST3904DXV6T5	NUF9001FCT1G	SBAS16LT3	SMBD1101LT1
NST3906DXV6T1	NUF9002FCT1	SBAS21LT1	SMBD1106LT1
NST3946DXV6T1	NUF9002FCT1G	SBAS21LT3	SMBD1106LT3
NST3946DXV6T5	NZF220DFT1	SBAV199LT1	SMBD1107LT3
NST489AMT1	NZF220DFT1G	SBAV70LT1	SMBD1108LT3
NST8099WP	NZF220TT1	SBAV70LT3	SMBD1120T3
NSTB1002DXV5T1	NZMM7V0T4	SBAV70LT3G	SMBD1122LT1
NSTB1003DXV5T1	P2N2222A	SBAV70WT1	SMBD1122LT3
NSTB1004DXV5T1	P2N2222ARL1	SBAV99LT1	SMBD1466LT3
NSTB1005DXV5T1	P2N2222ARL1G	SBAV99LT3	SMBD1472LT1
NSTB60BDW1T1	P2N2222AZL1	SBAV99LT3G	SMBD1472LT3
NSVBAS21HT1	P2N2907A	SBAV99WT1	SMBD1488LT1
NSVBAS21HT3	P2N2907AG	SBAW56LT1	SMBD1488LT3
NSVBAV70TT1	P2N2907ARL1	SBAW56LT3	SMBD1490LT3
NSVBAV70TT1G	P2N2907ARL1G	SBAW56WT1	SMBD1499LT1
NSVBC114YPDXV6T5	P2N2907AZL1	SBC807-16LT1	SMBD1500LT1
NSVD2004ML2T1	P2N2907AZL1G	SBC807-16LT3	SMBD1500LT3
NSVMMUN2232LT1	PBF493ZL1	SBC807-25LT3	SMBD1511LT3
NSVMUN2233T1	PN2222	SBC807-40LT1	SMBD56LT1
NSVMUN5132T1	PN2222A	SBC807-40LT3	SMBD70LT1
NSVT489AMT1	PN2222AG	SBC817-16LT1	SMBD99LT1
NSVUMC2NT1	PN2222ARLRA	SBC817-16LT3	SMBT1000LT1
NUF2015W1T2G	PN2222ARLRAG	SBC817-25LT3	SMBT1001LT1
NUF2030XV6T1	PN2222ARLRM	SBC817-40LT1	SMBT1108LT1
NUF2042XV6T1	PN2222ARLRP	SBC817-40LT3	SMBT1109-1LT1
NUF2101MT1	PN2222G	SBC846BDW1T1	SMBT1109-1LT3
NUF2101MT1G	PN2907A	SBC846BLT1	SMBT1109LT1
NUF2220XV6T1	PN2907AG	SBC846BLT3	SMBT1109LT1G
NUF2221W1T2	PN2907ARLRA	SBC846BPDW1T1	SMBT1168LT1
NUF2221W1T2G	PZT2222AT1	SBC847BLT1	SMBT1170LT1
NUF2222FCT1G	PZT2222AT1G	SBC847CLT1	SMBT1190LT1
NUF2230XV6T1	PZT2222AT3	SBC848BLT1	SMBT1191LT1
NUF2240W1T1	PZT2907AT1	SBC856BLT1	SMBT1199RLT1
NUF2240W1T1G	PZT2907AT1G	SBC856BLT3	SMBT1201LT1
NUF3101FCT1	PZT2907AT3	SBC857ALT1	SMBT1201LT1G
NUF3101FCT1G	PZT3904T1	SBCW72LT1	SMBT1229LT1
NUF4105FCT1	PZT3906T1	SBCX19LT1	SMBT1229LT3
NUF4107FCT1G	PZT651T1	SMBD1002T	SMBT1230LT1
NUF4402MNT1G	PZT651T1G	SMBD1007LT1	SMBT1230LT3
NUF6105FCT1	PZT751T1	SMBD1007LT1G	SMBT1231LT1
NUF6105FCT1G	PZT751T1G	SMBD1014LT1	SMBT1231LT3
NUF6106FCT1	PZTA42T1	SMBD1023T	SMBT1232LT1
NUF6401MNT1G	PZTA42T1G	SMBD1031T	SMBT1232LT3
NUF6402MNT1G	PZTA92T1	SMBD1042LT1	SMBT1234LT1
NUF6406MNT1G	PZTA92T1G	SMBD1058T	SMBT1234LT3



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device	Device	Device	Device
SMBT1248LT3	SMBT856BLT1	SMUN2112T1	SPS9386QRLRA
SMBT1265LT3	SMMBD2837LT1	SMUN2113T1	SPS9386QRLRP
SMBT1282LT1	SMMBD914LT1	SMUN2130T1	SPS9401QRLRP
SMBT1294LT3	SMMBD914LT1G	SMUN2211T1	SPS9408RLRM
SMBT1294LT3G	SMMBD914LT3	SMUN2211T3	SPS9418RLRM
SMBT1296LT3	SMMBT2222ALT1	SMUN2212T1	SPS9434RLRA
SMBT1335LT1	SMMBT2907ALT1	SMUN2213T1	SPS9452RLRM
SMBT1345LT1	SMMBT3904LT1	SMUN2216T1	SPS9458RLRM
SMBT1348LT1	SMMBT3904LT1G	SMUN2232T1	SPS9461RLRM
SMBT1352LT3	SMMBT3904LT3	SMUN2233T1	SPS9498QRLRP
SMBT1353LT3	SMMBT3904WT1	SMUN5111T1	SPS9499QRLRP
SMBT1357LT1	SMMBT3906LT1	SMUN5112T1	SPS9505RLRA
SMBT1360LT3	SMMBT3906LT3	SMUN5114T1	SPS9544QRLRP
SMBT1361LT3	SMMBT5087LT1	SMUN5116T1	SPS9549RLRA
SMBT1368LT1	SMMBT5401LT1	SMUN5211T1	SPS9550RLRA
SMBT1369LT1	SMMBT5551LT1	SMUN5211T3	SPS9553RLRA
SMBT1370LT1	SMMBT6520LT1	SMUN5213T1	SPS9558RLRA
SMBT1371LT1	SMMBTA06LT1	SMUN5235T1	SPS9567RLRM
SMBT1372LT1	SMMBTA06LT1G	SPS6981	SPS9575RLRM
SMBT1388LT1	SMMBTA06LT3	SPS7239RLRP	SPS9587QRLRP
SMBT1415LT1	SMMBTA13LT1	SPS7350RLRE	SPS9590RLRE
SMBT1416LT1	SMMBTA42LT1	SPS7429RLRE	SPS9590RLRM
SMBT1469LT3	SMMBTA42LT3G	SPS8010RLRM	SPS9594-1RLRP
SMBT1493LT3	SMMBTA56LT1	SPS8253RLRP	SPS9599
SMBT1504T3	SMMBTA56LT1G	SPS8295-001	SPS9599RLRM
SMBT1504T3G	SMMBTA56LT3	SPS8295-1ARLRM	SPS9600RLRE
SMBT1505T3	SMMBTA92LT1	SPS8295-1RLRA	SPS9606RLRM
SMBT1505T3G	SMMUN1003LT1	SPS8342	SPS9607RLRM
SMBT1512LT3	SMMUN1004LT1	SPS8361	SPS9609RLRM
SMBT1516LT3	SMMUN2111LT1	SPS8361RLRM	SSV1BAW56LT1
SMBT1527LT3	SMMUN2111LT3	SPS8403	SSV1BC847BDW1T1
SMBT1543LT3	SMMUN2113LT1	SPS8549RLRP	SSV1BC847BPDW1T1
SMBT1565LT1	SMMUN2116LT1	SPS8551RLRP	SSV1BC847CWT1
SMBT1568LT1	SMMUN2130LT3	SPS8631	SSV1D116ML2T3
SMBT1569LT1	SMMUN2211LT1	SPS8631ARLRM	SSV1MMBTA92LT1
SMBT1572LT1	SMMUN2211LT1G	SPS8631RLRM	SSV1MPS2907A
SMBT1574LT1	SMMUN2211LT3	SPS8697RLRA	SSV1MPSA06
SMBT1576LT1	SMMUN2213LT1	SPS8751QRLRM	SSV1MPSA06RLRA
SMBT1578LT1	SMMUN2213LT3	SPS8751QRLRP	SSV1MPSA06RLRM
SMBT1580LT1	SMMUN2214LT1	SPS8874QRLRM	SSV1MPSA56
SMBT1581LT3	SMMUN2216LT1	SPS8913QRLRM	SSV1MPSA56RLRM
SMBT1583LT3	SMMUN2233LT1	SPS8913QRLRP	SSV1MUN2211T1
SMBT1586LT3	SMSC1368T1	SPS9001	SSV1MUN5312DW1T1
SMBT1587T1	SMSC1368T1G	SPS9001RLRM	SSV1MUN5313DW1T1
SMBT2000T1	SMSD1002T1	SPS9287	SSVBC856BDW1T1
SMBT2001T1	SMUN101T1	SPS9370	SSVPZT751T1
SMBT2002T1	SMUN2111T1	SPS9370RLRM	SSVR416HT1
SMBT846BLT1	SMUN2111T3	SPS9385QRLRA	STF202-22T1



Initial Product/Process Change Notification #15013

AFFECTED DEVICE LIST:

Device

STF202-22T1G
SUY98001FCT1
SZT1003T1
SZT1004T1
SZT1009T1
SZT1010T1
SZT651T1
SZT751T1
TJ00742ZL1
TMBT0104LT1
UMA4NT1
UMA6NT1
UMC2NT1
UMC3NT1
UMC3NT1G
UMC5NT1
UMC5NT1G
UMC5NT2
UMC5NT2G
UMZ1NT1
UMZ1NT1G