ON Semiconductor

INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20349

Generic Copy

Issue Date: 24-Jan-2014

TITLE: Initial Notification – Addition of Niigata FAB (Japan) as qualified Wafer Source for Bipolar Power Planar, Bias Resistor Transistor and General Purpose Transistor.

PROPOSED FIRST SHIP DATE: 01-Jul-2014

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab Site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <chuenwai.yong@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 90 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

This is the Initial Notification by ON Semiconductor notifying customers of its plan to add Niigata FAB (Japan) as qualified Wafer Source for Bipolar Power Planar, Bias Resistor Transistor and General Purpose Transistor.

The Niigata FAB (N1) facility is an ON Semiconductor owned wafer fab that has been producing products for ON Semiconductor. Several existing technologies within ON Semiconductor's product families are currently sourced from N1. ON Semiconductor Niigata Wafer FAB is an internal factory that is TS16949, ISO-9001 and ISO-14000 certified.

Qualification tests are designed to show that the reliability of the transferred devices will continue to meet or exceed ON Semiconductor standards.

INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20349

QUALIFICATION PLAN:

Estimated Date for Qualification Completion: 1 June 2014
Samples to be available after completion of Qualification

Qualification Vehicles:

Qualification vehicles have been carefully selected to address all critical variables and interactions of wafer design features, process considerations, mechanical construction and electrical characteristics

BIPOLAR POWER PLANAR:

MJE5852G
MJD340T4G

BIAS RESISTOR TRANSISTOR:

MUN5230T1G
DTA114YET1G
DTC115EM3T5G
MMUN2214LT1G

GENERAL PURPOSE TRANSISTOR:

BCX19LT1G
MMBT589LT1G

INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20349

List of affected General Parts:

Affected Device List for Bipolar Power Planar (NPN)

2N5655G
2N5657G
BD159G
D44H11G
D44H8G
D44VH10G
MJB44H11G
MJB44H11T4G
MJD340G
MJD340RLG
MJD340T4G
MJD44H11-1G
MJD44H11G
MJD44H11RLG
MJD44H11T4G
MJD44H11T5G
MJE15032G
MJE340G
MJE3439G
MJE344G
MJF44H11G
NJD2873T4G
NJW0281G

Affected Device List for Bipolar Power Planar (PNP)

D45H11G
D45H8G
D45VH10G
MJB45H11G
MJB45H11T4G
MJD45H11-1G
MJD45H11G
MJD45H11RLG
MJD45H11T4G
MJE15033G
MJE5850G
MJE5851G
MJE5852G
MJF45H11G
MJL1302AG
MJW1302AG
NJL0302DG
NJL1302DG
NJW0302G
NJW1302G

INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20349

Affected Device List for Bias Resistor Transistor (NPN)

DTC115EM3T5G
MMUN2211LT1G
MMUN2211LT3G
MMUN2212LT1G
MMUN2213LT1G
MMUN2214LT1G
MMUN2230LT1G
MMUN2232LT1G
MMUN2233LT1G
MMUN2234LT1G
MMUN2236LT1G
MUN2211JT1G
MUN2211T1G
MUN2211T3G
MUN2212T1G
MUN2213T1G
MUN2214T1G
MUN2214T3G
MUN2230T1G
MUN2232T1G
MUN2233T1G
MUN2234T1G
MUN2236T1G
MUN5211DW1T1G
MUN5211T1G
MUN5212DW1T1G
MUN5212T1G
MUN5213DW1T1G
MUN5213DW1T3G
MUN5213T1G
MUN5214DW1T1G
MUN5214T1G
MUN5230DW1T1G
MUN5230T1G
MUN5232DW1T1G
MUN5232T1G
MUN5233DW1T1G
MUN5233T1G
MUN5234DW1T1G
MUN5234T1G
MUN5236DW1T1G
MUN5236T1G
MUN5311DW1T1G
MUN5311DW1T2G
MUN5312DW1T1G
MUN5312DW1T2G
MUN5313DW1T1G
MUN5314DW1T1G
MUN5330DW1T1G
MUN5332DW1T1G
MUN5333DW1T1G
MUN5334DW1T1G
NSB1706DMW5T1G
NSB4904DW1T1G
NSTB60BDW1T1G
UMC3NT1G
UMC5NT1G
UMC5NT2G

Affected Device List for Bias Resistor Transistor (PNP)

DTA114YET1G
MMUN2111LT1G
MMUN2111LT3G
MMUN2112LT1G
MMUN2113LT1G
MMUN2113LT3G
MMUN2114LT1G
MMUN2114LT3G
MUN2111T1G
MUN2112T1G
MUN2113T1G
MUN2114T1G
MUN5111DW1T1G
MUN5111T1G
MUN5112DW1T1G
MUN5112T1G
MUN5113DW1T1G
MUN5113T1G
MUN5113T3G
MUN5114DW1T1G
MUN5114T1G
MUN5311DW1T1G
MUN5311DW1T2G
MUN5312DW1T1G
MUN5312DW1T2G
MUN5313DW1T1G
MUN5314DW1T1G
NSB4904DW1T1G
UMC3NT1G

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Affected Device List for General Purpose Transistor (NPN)

2N5550G
2N5550RLRPG
2N5551G
2N5551RL1G
2N5551RLRAG
2N5551RLRPG
2N5551ZL1G
BC237BG
BC237BRL1G
BC337-025G
BC337-25RL1G
BC337-25ZL1G
BC337G
BC337RL1G
BC547CG
BC547CZL1G
BC548CG
BC549CG
BC550CG
BC817-16LT1G
BC817-16LT3G
BC817-25LT1G
BC817-25LT3G
BC817-40LT1G
BC817-40LT3G
BC818-40LT1G
BC846BDW1T1G
BC846BLT1G
BC846BLT3G
BC846BPDW1T1G
BC846BWT1G
BC847BDW1T1G
BC847BDW1T3G
BC847BLT1G
BC847BLT3G
BC847BPDW1T1G
BC847BPDW1T2G
BC847BPDW1T3G
BC847BWT1G
BC847CDW1T1G
BC847CLT1G
BC847CLT3G
BC847CWT1G
BC847CWT3G
BC848BLT1G
BC848BLT3G
BC848BWT1G
BC848CDW1T1G
BC848CLT1G
BC848CPDW1T1G
BC848CWT1G
BC849BLT1G
BC849CLT1G
BC850BLT1G
BC850CLT1G
BCW32LT1G
BCW33LT1G
BCW33LT3G
BCW65ALT1G
BCW65CLT1G
BCW66GLT1G
BCW66GLT3G
BCW72LT1G
BCX19LT1G
BSS64LT1G
MMBT489LT1G
MMBT5550LT1G
MMBT5550LT3G
MMBT5551LT1G
MMBT5551LT3G
MMBTA05LT1G
MMBTA05LT3G
MMBTA06LT1G
MMBTA06LT3G
MMBTA06WT1G
MPSA05G
MPSA05RLRAG
MPSA05RLRMG
MPSA06G
MPSA06RL1G
MPSA06RLG
MPSA06RLRAG
MPSA06RLRMG
MPSA06RLRPG
MPSW05G
MPSW06G
MPSW06RLRAG
MSD602-RT1G
NSS30101LT1G

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Affected Device List for General Purpose Transistor (PNP)

2N5087G
2N5087RLRAG
2N5401G
2N5401RLRAG
BC327-025G
BC327-25RL1G
BC327-25ZL1G
BC327-40ZL1G
BC556BG
BC557BG
BC557BRL1G
BC557BZL1G
BC807-16LT1G
BC807-16LT3G
BC807-25LT1G
BC807-25LT1G
BC807-25LT3G
BC807-25LT3G
BC807-25WT1G
BC807-25WT1G
BC807-40LT1G
BC807-40LT3G
BC807-40WT1G
BC808-25LT1G
BC808-25LT1G
BC846BPDW1T1G
BC847BPDW1T1G
BC847BPDW1T2G
BC847BPDW1T3G
BC856ALT1G
BC856BDW1T1G
BC856BDW1T3G
BC856BLT1G
BC856BLT3G
BC856BWT1G
BC857ALT1G
BC857BDW1T1G
BC857BLT1G
BC857BLT3G
BC857BWT1G
BC858ALT1G
BC858AWT1G
BC858BLT1G
BC858BLT3G
BC858BWT1G
BCW30LT1G
BCW68GLT1G
BCW68GLT3G
BCW70LT1G
BCX17LT1G
BCX17LT1G
MMBT5087LT1G
MMBT5087LT3G
MMBT5401LT1G
MMBT5401LT3G
MMBT5401WT1G
MMBT589LT1G
MMBTA55LT1G
MMBTA56LT1G
MMBTA56LT3G
MMBTA56WT1G
MMBTA70LT1G
MPS4250G
MPSA55G
MPSA55RLRAG
MPSA56G
MPSA56RLRAG
MPSA56RLRMG
MPSA56RLRPG
MPSA56ZL1G
NSM80100MT1G
NSS20200LT1G
NSS30100LT1G
NST45010MW6T1G
NSTB60BDW1T1G

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MJD44H11-1G
MJD44H11G
MJD44H11RLG
MJD44H11T4G
MJD44H11T5G
MJE15032G
MJE340G
MJE3439G
MJE344G
MJF44H11G
NJD2873T4G
NJW0281G

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D45VH10G
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MJB45H11T4G
MJD45H11-1G
MJD45H11G
MJD45H11RLG
MJD45H11T4G
MJE15033G
MJE5850G
MJE5851G
MJE5852G
MJF45H11G
MJL1302AG
MJW1302AG
NJL0302DG
NJL1302DG
NJW0302G
NJW1302G

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Affected Device List for Bias Resistor Transistor (NPN)

DTC115EM3T5G
MMUN2211LT1G
MMUN2211LT3G
MMUN2212LT1G
MMUN2213LT1G
MMUN2214LT1G
MMUN2230LT1G
MMUN2232LT1G
MMUN2233LT1G
MMUN2234LT1G
MMUN2236LT1G
MUN2211JT1G
MUN2211T1G
MUN2211T3G
MUN2212T1G
MUN2213T1G
MUN2214T1G
MUN2214T3G
MUN2230T1G
MUN2232T1G
MUN2233T1G
MUN2234T1G
MUN2236T1G
MUN5211DW1T1G
MUN5211T1G
MUN5212DW1T1G
MUN5212T1G
MUN5213DW1T1G
MUN5213DW1T3G
MUN5213T1G
MUN5214DW1T1G
MUN5214T1G
MUN5230DW1T1G
MUN5230T1G
MUN5232DW1T1G
MUN5232T1G
MUN5233DW1T1G
MUN5233T1G
MUN5234DW1T1G
MUN5234T1G
MUN5236DW1T1G
MUN5236T1G
MUN5311DW1T1G
MUN5311DW1T2G
MUN5312DW1T1G
MUN5312DW1T2G
MUN5313DW1T1G
MUN5314DW1T1G
MUN5330DW1T1G
MUN5332DW1T1G
MUN5333DW1T1G
MUN5334DW1T1G
NSB1706DMW5T1G
NSB4904DW1T1G
NSTB60BDW1T1G
UMC3NT1G
UMC5NT1G
UMC5NT2G

Affected Device List for Bias Resistor Transistor (PNP)

DTA114YET1G
MMUN2111LT1G
MMUN2111LT3G
MMUN2112LT1G
MMUN2113LT1G
MMUN2113LT3G
MMUN2114LT1G
MMUN2114LT3G
MUN2111T1G
MUN2112T1G
MUN2113T1G
MUN2114T1G
MUN5111DW1T1G
MUN5111T1G
MUN5112DW1T1G
MUN5112T1G
MUN5113DW1T1G
MUN5113T1G
MUN5113T3G
MUN5114DW1T1G
MUN5114T1G
MUN5311DW1T1G
MUN5311DW1T2G
MUN5312DW1T1G
MUN5312DW1T2G
MUN5313DW1T1G
MUN5314DW1T1G
NSB4904DW1T1G
UMC3NT1G

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2N5551G
2N5551RL1G
2N5551RLRAG
2N5551RLRPG
2N5551ZL1G
BC237BG
BC237BRL1G
BC337-025G
BC337-25RL1G
BC337-25ZL1G
BC337G
BC337RL1G
BC547CG
BC547CZL1G
BC548CG
BC549CG
BC550CG
BC817-16LT1G
BC817-16LT3G
BC817-25LT1G
BC817-25LT3G
BC817-40LT1G
BC817-40LT3G
BC818-40LT1G
BC846BDW1T1G
BC846BLT1G
BC846BLT3G
BC846BPDW1T1G
BC846BWT1G
BC847BDW1T1G
BC847BDW1T3G
BC847BLT1G
BC847BLT3G
BC847BPDW1T1G
BC847BPDW1T2G
BC847BPDW1T3G
BC847BWT1G
BC847CDW1T1G
BC847CLT1G
BC847CLT3G
BC847CWT1G
BC847CWT3G
BC848BLT1G
BC848BLT3G
BC848BWT1G
BC848CDW1T1G
BC848CLT1G
BC848CPDW1T1G
BC848CWT1G
BC849BLT1G
BC849CLT1G
BC850BLT1G
BC850CLT1G
BCW32LT1G
BCW33LT1G
BCW33LT3G
BCW65ALT1G
BCW65CLT1G
BCW66GLT1G
BCW66GLT3G
BCW72LT1G
BCX19LT1G
BSS64LT1G
MMBT489LT1G
MMBT5550LT1G
MMBT5550LT3G
MMBT5551LT1G
MMBT5551LT3G
MMBTA05LT1G
MMBTA05LT3G
MMBTA06LT1G
MMBTA06LT3G
MMBTA06WT1G
MPSA05G
MPSA05RLRAG
MPSA05RLRMG
MPSA06G
MPSA06RL1G
MPSA06RLG
MPSA06RLRAG
MPSA06RLRMG
MPSA06RLRPG
MPSW05G
MPSW06G
MPSW06RLRAG
MSD602-RT1G
NSS30101LT1G

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Affected Device List for General Purpose Transistor (PNP)

2N5087G
2N5087RLRAG
2N5401G
2N5401RLRAG
BC327-025G
BC327-25RL1G
BC327-25ZL1G
BC327-40ZL1G
BC556BG
BC557BG
BC557BRL1G
BC557BZL1G
BC807-16LT1G
BC807-16LT3G
BC807-25LT1G
BC807-25LT1G
BC807-25LT3G
BC807-25LT3G
BC807-25WT1G
BC807-25WT1G
BC807-40LT1G
BC807-40LT3G
BC807-40WT1G
BC808-25LT1G
BC808-25LT1G
BC846BPDW1T1G
BC847BPDW1T1G
BC847BPDW1T2G
BC847BPDW1T3G
BC856ALT1G
BC856BDW1T1G
BC856BDW1T3G
BC856BLT1G
BC856BLT3G
BC856BWT1G
BC857ALT1G
BC857BDW1T1G
BC857BLT1G
BC857BLT3G
BC857BWT1G
BC858ALT1G
BC858AWT1G
BC858BLT1G
BC858BLT3G
BC858BWT1G
BCW30LT1G
BCW68GLT1G
BCW68GLT3G
BCW70LT1G
BCX17LT1G
BCX17LT1G
MMBT5087LT1G
MMBT5087LT3G
MMBT5401LT1G
MMBT5401LT3G
MMBT5401WT1G
MMBT589LT1G
MMBTA55LT1G
MMBTA56LT1G
MMBTA56LT3G
MMBTA56WT1G
MMBTA70LT1G
MPS4250G
MPSA55G
MPSA55RLRAG
MPSA56G
MPSA56RLRAG
MPSA56RLRMG
MPSA56RLRPG
MPSA56ZL1G
NSM80100MT1G
NSS20200LT1G
NSS30100LT1G
NST45010MW6T1G
NSTB60BDW1T1G

If no Customer Part Number is on file, the CPN Part Number is marked “CPN Unassigned”.

MPN	CPN	Company Name	Company Code	Division Name	Division Code
BC817-40LT1G	CPN Unassigned	ALSTOM	UC	ALSTOM TRANSPORT	TAOOZ
BC807-40LT1G	CPN Unassigned	ALSTOM	UC	ALSTOM TRANSPORT	TAOOZ
2N5550G	CPN Unassigned	ALSTOM	UC	ALSTOM TRANSPORT	TAOOZ
2N5401G	CPN Unassigned	ALSTOM	UC	ALSTOM TRANSPORT	TAOOZ
MJD340T4G	CPN Unassigned	ALSTOM	UC	ALSTOM TRANSPORT	TAOOZ