



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

03-Feb-2006

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #15314

TITLE: Initial Notification of the manufacturing expansion to Leshan, China for the SC74 & SC75 packages

EFFECTIVE DATE: 03-Jun-2006

AFFECTED CHANGE CATEGORY: ON Semiconductor Assembly & Test Site

AFFECTED PRODUCT DIVISION: Integrated Power Devices

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact Sales Office or Peter Berman < ffgh7p @onsemi.com >

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCEN)

First change notification sent to customers. IPCENs are issued at least 120 days prior to implementation of the change. An IPCEN 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 (FPCEN).

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

DESCRIPTION AND PURPOSE:

This is the initial PCN announcing the expansion of ON Semiconductor's assembly and test operations of the SC74 and SC75 packaged products, currently built in ON's Malaysia facility, to ON's Leshan, China facility. The Leshan facility is currently used to manufacture several of ON's packages and is fully ISO9001 and QS9000 certified.

QUALIFICATION PLAN:

SC75 Qual vehicles are:

- 1) NTA4153NT1G
- 2) DTC115EET1G
- 3) BAT54CTT1G
- 4) BAV70TT1G
- 5) NZL5V6ATT1G

SC74 Qual vehicles are:

- 1) NUD3160DMT1G
- 2) MMQA33VT1G
- 3) NUP4304MR6T1
- 4) SMBT2000T1



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PC: MSL1@260°C
HAST: TA=130°C, RH=85%, BIAS=80% rated, ~ 18.8 psig, 96 Hrs
TC: Ta=-65/150°C, 1000 Cycles
AC: TA=121°C, RH=100%, ~15 psig, 96 Hrs
IOL: Ta=25°C, DeltaTj=100°C max, Ton=Toff=2 min, 15,000 Cycles
HTRB: Ta=150°C, Bias=80% rated V, 1008 Hrs
HTGB: Ta=150°C, Bias=100% rated gate V. 1008 Hrs.

AFFECTED DEVICE LIST:

PART

2SA1774
2SA1774G
2SA1774T1
2SA1774T1G
2SC4617
2SC4617G
2SC4617T1
2SC4617T1G
BAS16TT1
BAS16TT1G
BAT54CTT1
BAT54CTT1G
BAV70TT1
BAV70TT1G
BAW56TT1
BAW56TT1G
BC847BTT1
BC847BTT1G
BC847CTT1
BC847CTT1G
BC857BTT1
BC857BTT1G
DA121TT1
DA121TT1G
DAN222
DAN222G
DAN222T1
DAN222T1G
DAP222
DAP222G
DAP222T1
DAP222T1G
DTA114EET1



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AFFECTED DEVICE LIST con't.:

PART

DTA114EET1G
DTA114TET1
DTA114TET1G
DTA114YET1
DTA114YET1G
DTA115EET1
DTA115EET1G
DTA123EET1
DTA123EET1G
DTA123JET1
DTA123JET1G
DTA124EET1
DTA124EET1G
DTA143EE
DTA143EET1
DTA143EET1G
DTA143TET1
DTA143TET1G
DTA143ZET1
DTA143ZET1G
DTA144EET1
DTA144EET1G
DTA144WET1
DTA144WET1G
DTC114EET1
DTC114EET1G
DTC114TET1
DTC114TET1G
DTC114YET1
DTC114YET1G
DTC115EET1
DTC115EET1G
DTC123EET1
DTC123EET1G
DTC123JET1
DTC123JET1G
DTC124EET1
DTC124EET1G
DTC124XET1
DTC124XET1G
DTC143EET1
DTC143EET1G
DTC143TET1



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PART

DTC143TET1G
DTC143ZET1
DTC143ZET1G
DTC144EET1
DTC144EET1G
HN1B01FDW1T1
HN1B01FDW1T1G
IMD10AT1
IMH20TR1
IMH20TR1G
MDC3105DMT1
MDC3105DMT1G
MMBT2131T1
MMBT2131T1G
MMBT2132T3
MMBT2132T3G
MMBT2222ATT1
MMBT2222ATT1G
MMBT3904TT1
MMBT3904TT1G
MMBT3906TT1
MMBT3906TT1G
MMQA12VT1
MMQA12VT1G
MMQA13VT1
MMQA13VT1G
MMQA15VT1
MMQA15VT1G
MMQA18VT1
MMQA18VT1G
MMQA20VT1
MMQA20VT1G
MMQA20VT3
MMQA20VT3G
MMQA21VT1
MMQA22VT1
MMQA22VT1G
MMQA24VT1
MMQA24VT1G
MMQA27VT1
MMQA27VT1G
MMQA27VT3



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PART

MMQA30VT1
MMQA30VT1G
MMQA33VT1
MMQA33VT1G
MMQA5V6T1
MMQA5V6T1G
MMQA6V2T1
MMQA6V2T1G
MMQA6V2T3
MMQA6V2T3G
MMQA6V8T1
MMQA6V8T1G
NCP3712ASNT1
NCP3712ASNT1G
NCP3712ASNT3
NCP3712ASNT3G
NSL12TT1
NSS30070MR6T1G
NSS30071MR6T1G
NSVBAV70TT1
NSVBAV70TT1G
NSVBAV70TT3
NSVBAV70TT3G
NTA4001NT1
NTA4001NT1G
NTA4151PT1
NTA4151PT1G
NTA4153NT1
NTA4153NT1G
NTA7002NT1
NTA7002NT1G
NUD3105DMT1
NUD3105DMT1G
NUD3112DMT1
NUD3112DMT1G
NUD3124DMT1
NUD3124DMT1G
NUD3160DMT1
NUD3160DMT1G
NUP4301MR6T1
NUP4301MR6T1G
NUP4304MR6T1



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PART

NUP4304MR6T1G
NUS2401SNT1
NUS2401SNT1G
NZF220TT1
NZF220TT1G
NZL5V6ATT1
NZL5V6ATT1G
S2SA1774
S2SA1774G
S2SC4617
S2SC4617G
SBAW56TT1
SBAW56TT1G
SDAN222
SDAN222G
SDAN222T1
SDAN222T1G
SDC3712T3
SDTA114YET1
SDTA114YET1G
SDTA144EET1
SDTA144EET1G
SDTC114EET1
SDTC114EET1G
SDTC114TET1
SDTC114TET1G
SDTC114YET1
SDTC114YET1G
SDTC123JET1
SDTC123JET1G
SDTC144EET1
SDTC144EET1G
SMBT2000T1
SMBT2001T1
SMBT2002T1
SMBT2002T1G
SMMBT3904TT1
SMMBT3904TT1G
SMQA1000T1
SMQA1000T1G
SMQA1001T1
SMQA2000T1



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PART

SMQA2000T1G
SMQA5600T1
SMQA5600T3
SMQA5600T3G
SMS05T1
SMS05T1G
SMS12T1
SMS12T1G
SMS15T1
SMS15T1G
SMS24T1
SMS24T1G
SZMMQA27VT1
SZMMQA27VT1G
SZMMQA33VT1
SZMMQA33VT1G
SZMMQA5V6T1
SZMMQA5V6T1G
SZMMQA6V2T1
SZMMQA6V2T1G
SZMMQA6V8T1
SZMMQA6V8T1G
SZNUD3124DMT1
SZNUD3124DMT1G
SZNUD3160DMT1
SZNUD3160DMT1G
SZNUP4304MR6T1
SZNUP4304MR6T1G