



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

Generic Copy

01-Jun-2006

SUBJECT: ON Semiconductor Final Product/Process Change Notification #15573

TITLE: Final Notification for manufacturing expansion to Leshan China for the SC74 & SC75 packages

EFFECTIVE DATE: 01-Aug-2006

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly Site

AFFECTED PRODUCT DIVISION(S): Standard Components

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Laura Rivers <laura.rivers@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Terry Galloway <terry.galloway@onsemi.com >

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 60 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact your local ON Semiconductor Sales Office.

DESCRIPTION AND PURPOSE:

This is the Final PCN to IPCN 15314 available at www.onsemi.com announcing the expansion of ON Semiconductor's assembly and test operations of the SC74 and SC75 packaged products, currently built in ON's Seremban 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.



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RELIABILITY DATA SUMMARY:

SC74

NUD3160DMT1G			
MSL1 @ 260C	JEDEC J STD 020		0/676
HAST	Ta 131C, RH=85%,P=18.8psig Vds=18V	96 hrs	0/168
Temp Cycle	Ta= -65C to + 150C	1000 cyc	0/168
Autoclave	Ta=121C, RH=100%, P=14.7psig	96 hrs	0/168
HTRB	Ta=150C, Vds=18V	1008 hrs	0/168
HTGB	Ta=150C, Vgs=12V	1008 hrs	0/168
IOL	Ta=25C, delta Tj=100C, Ton=Toff=2min		
		15000 cyc	0/168
MMQA33VT1G			
MSL1 @ 260C	JEDEC J STD 020		0/676
HAST	Ta 131C, RH=85%,P=18.8psig Vr=25V	96 hrs	0/168
Temp Cycle	Ta= -65C to + 150C	1000 cyc	0/168
Autoclave	Ta=121C, RH=100%, P=14.7psig	96 hrs	0/167
HTRB	Ta=150C, Vr=25V	1008 hrs	0/168
IOL	Ta=25C, delta Tj=100C, Ton=Toff=2min		
		15000 cyc	0/168
NUP4304MR6T1			
MSL1 @ 260C	JEDEC J STD 020		0/676
HAST	Ta 131C, RH=85%,P=18.8psig Vr=56V	96 hrs	0/168
Temp Cycle	Ta= -65C to + 150C	1000 cyc	0/168
Autoclave	Ta=121C, RH=100%, P=14.7psig	96 hrs	0/167
HTRB	Ta=150C, Vr=56V	1008 hrs	0/168
IOL	Ta=25C, delta Tj=100C, Ton=Toff=2min		
		15000 cyc	0/168
SMBT2000T1			
MSL1 @ 260C	JEDEC J STD 020		0/676
HAST	Ta 131C, RH=85%,P=18.8psig VCEs=64V	96 hrs	0/168
Temp Cycle	Ta= -65C to + 150C	1000 cyc	0/168
Autoclave	Ta=121C, RH=100%, P=14.7psig	96 hrs	0/167
HTRB	Ta=150C, VCEs=64V	1008 hrs	0/168
IOL	Ta=25C, delta Tj=100C, Ton=Toff=2min		
		15000 cyc	0/168



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SC75

NTA4153NT1G			
MSL1 @ 260C	JEDEC J STD 020		0/756
HAST	Ta 131C, RH=85%,P=18.8psig		
	Vds=80% rated	96 hrs	0/252
Temp Cycle	Ta= -65C to + 150C	1000 cyc	0/252
Autoclave	Ta=121C, RH=100%, P=14.7psig	96 hrs	0/252
DTC115EET1G			
MSL1 @ 260C	JEDEC J STD 020		0/756
HAST	Ta 131C, RH=85%,P=18.8psig	VCEs=40V 96 hrs	0/252
Temp Cycle	Ta= -65C to + 150C	1000 cyc	0/252
Autoclave	Ta=121C, RH=100%, P=14.7psig	96 hrs	0/252
HTRB	Ta=150C, VCEs=40V	1008 hrs	0/252
IOL	Ta=25C, delta Tj=100C, Ton=Toff=2min	15000 cyc	0/252
BAT54CTT1G			
HTRB	Ta=150C, Vr=56V	1008 hrs	0/252
BAV70TT1G			
HTRB	Ta=150C, Vr=56V	1008 hrs	0/252
NZL5V6ATT1G			
HTRB	Ta=150C, Vr=4.5V	1008 hrs	0/252

ELECTRICAL CHARACTERISTIC SUMMARY:

No changes in electrical characterization; all product performance meets current datasheet specifications.

CHANGED PART IDENTIFICATION:

Date codes greater than N or WW 3106 may be from either Seremban Malaysia or Leshan China.

AFFECTED DEVICE LIST

- 2SA1774
- 2SA1774G
- 2SA1774T1
- 2SA1774T1G
- 2SC4617
- 2SC4617G
- 2SC4617T1
- 2SC4617T1G
- BAS16TT1
- BAS16TT1G
- BAT54CTT1
- BAT54CTT1G
- BAV70TT1
- BAV70TT1G



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AFFECTED DEVICE LIST

BAW56TT1
BAW56TT1G
BC847BTT1
BC847BTT1G
BC847CTT1
BC847CTT1G
BC857BTT1
BC857BTT1G
DA121TT1
DA121TT1G
DAN222
DAN222G
DAN222T1
DAN222T1G
DAP222
DAP222G
DAP222T1
DAP222T1G
DTA114EET1
DTA114EET1G
DTA114TET1
DTA114TET1G
DTA114YE
DTA114YET1
DTA114YET1G
DTA115EET1
DTA115EET1G
DTA123EET1
DTA123EET1G
DTA123JET1
DTA123JET1G
DTA124EET1
DTA124EET1G
DTA124XET1
DTA124XET1G
DTA143EE
DTA143EET1
DTA143EET1G
DTA143TET1
DTA143TET1G
DTA143ZET1
DTA143ZET1G
DTA144EET1
DTA144EET1G
DTA144WET1
DTA144WET1G
DTC114EET1
DTC114EET1G
DTC114TET1
DTC114TET1G



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AFFECTED DEVICE LIST

DTC114YET1
DTC114YET1G
DTC115EET1
DTC115EET1G
DTC123EET1
DTC123EET1G
DTC123JET1
DTC123JET1G
DTC124EET1
DTC124EET1G
DTC124XET1
DTC124XET1G
DTC143EET1
DTC143EET1G
DTC143TET1
DTC143TET1G
DTC143ZET1
DTC143ZET1G
DTC144EET1
DTC144EET1G
DTC144WET1
DTC144WET1G
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



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AFFECTED DEVICE LIST

MMQA20VT3G
MMQA21VT1
MMQA22VT1
MMQA22VT1G
MMQA24VT1
MMQA24VT1G
MMQA27VT1
MMQA27VT1G
MMQA27VT3
MMQA30VT1
MMQA30VT1G
MMQA33VT1
MMQA33VT1G
MMQA5V6T1
MMQA5V6T1G
MMQA6V2T1
MMQA6V2T1G
MMQA6V2T3
MMQA6V2T3G
MMQA6V8T1
MMQA6V8T1G
NCP3712ASNT1
NCP3712ASNT1G
NCP3712ASNT3
NCP3712ASNT3G
NSL05TT1
NSL12ET1
NSL12TT1
NSL35ET1
NSL35TT1
NSL5ET1
NSL5TT1
NSS30070MR6T1G
NSS30071MR6T1G
NST2222AUA3T1
NSVBAV70TT1
NSVBAV70TT1G
NSVBAV70TT3
NSVBAV70TT3G
NTA4001NT1
NTA4001NT1G
NTA4151PT1
NTA4151PT1G
NTA4153NT1
NTA4153NT1G
NTA7002NT1
NTA7002NT1G
NUD3105DMT1
NUD3105DMT1G
NUD3112DMT1



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AFFECTED DEVICE LIST

NUD3112DMT1G
NUD3124DMT1
NUD3124DMT1G
NUD3160DMT1
NUD3160DMT1G
NUP4301MR6T1
NUP4301MR6T1G
NUP4304MR6T1
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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SMQA2000T1G
SMQA5600T1
SMQA5600T3
SMQA5600T3G
SMS05T1
SMS05T1G
SMS12T1
SMS12T1G
SMS15T1
SMS15T1G
SMS24T1
SMS24T1G
SZMQA27VT1
SZMQA27VT1G
SZMQA33VT1
SZMQA33VT1G
SZMQA5V6T1
SZMQA5V6T1G
SZMQA6V2T1
SZMQA6V2T1G
SZMQA6V8T1
SZMQA6V8T1G
SZNUD3124DMT1
SZNUD3124DMT1G
SZNUD3160DMT1
SZNUD3160DMT1G
SZNUP4304MR6T1
SZNUP4304MR6T1G