



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION #20425

Generic Copy

Issue Date: 21-May-2014

TITLE: Initial Notification of SOD-123 package/devices qualification for assembly & test in Leshan, China

PROPOSED FIRST SHIP DATE: 21-Sep-2014

AFFECTED CHANGE CATEGORY(S): Assembly and test site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

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

DESCRIPTION AND PURPOSE:

ON Semiconductor is notifying customers of its plan to qualify and transfer the assembly and test site from Seremban facility to Leshan facility.

The Leshan facility is certified with ISO/TS 16949:2009 and is currently running production for SOD-123.



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QUALIFICATION PLAN:

Estimated Date for Qualification Completion: 07/31/2014
 Samples should be available after completion of Qualification.

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

#	Test	Name	Test Conditions	End Point Req's	Test Results
					Read Point
1	HTSL	High Temp Storage Life	Ta=150°C	c = 0, Room	1008 Hrs
2	AC+PC	Autoclave+PC	Ta=121°C, RH=100%, Pressure=15psig	c = 0, Room	96 Hrs
3	TC+PC	Temperature Cycle+PC	Ta=-65°C, Tj=150°C, Air-to-air, Dwell = 10 min	c = 0, Room	1000 Cyc
4	H3TRB+PC	High Humidity High Temp Rev Bias+PC	Ta=85°C, RH=85%	c = 0, Room	1008 Hrs
5	IOL+PC	IOL+PC	Δ Tj=+25°C, Tj=100°C, On/Off = 2 min	c = 0, Room	15000 Cyc
6	RSH	Resistance to Solder Heat	Ta: 260°C	c = 0, Room	n/a
7	HTRB+PC	High Temp Reverse Bias + PC	Ta=150°C	c = 0, Room	1008 Hrs



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For automotive customers currently purchasing the standard/commercial parts as stated in table below, the backlogs can be transferred to the respective automotive parts. The automotive parts are targeted to be transferred to Leshan facility by 09 May 2015.

Std Part	Auto Part
BAT54T1G	SBAT54T1G
MBR0520LT1G	SBR80520LT1G
MBR0520LT3G	SBR80520LT3G
MBR0530T1G	NRVB0530T1G
MBR0530T3G	NRVB0530T3G
MBR0540T1G	NRVB0540T1G
MBR0540T3G	NRVB0540T3G
MBR130T1G	NRVB130T1G
MBR130T3G	NRVB130T3G
MMSD103T1G	SMMSD103T1G
MMSD301T1G	SMMSD301T1G
MMSD4148T1G	SMMSD4148T1G
MMSD914T1G	SMMSD914T1G
MMSD914T3G	SMMSD914T3G
MMSZ10T1G	SZMMSZ10T1G
MMSZ11T1G	SZMMSZ11T1G
MMSZ12T1G	SZMMSZ12T1G
MMSZ13T1G	SZMMSZ13T1G
MMSZ15T1G	SZMMSZ15T1G
MMSZ16T1G	SZMMSZ16T1G
MMSZ18T1G	SZMMSZ18T1G
MMSZ20T1G	SZMMSZ20T1G
MMSZ22T1G	SZMMSZ22T1G
MMSZ24T1G	SZMMSZ24T1G
MMSZ27T1G	SZMMSZ27T1G
MMSZ27T3G	SZMMSZ27T3G
MMSZ2V4T1G	SZMMSZ2V4T1G
MMSZ2V7T1G	SZMMSZ2V7T1G
MMSZ30T1G	SZMMSZ30T1G
MMSZ33T1G	SZMMSZ33T1G
MMSZ36T1G	SZMMSZ36T1G
MMSZ39T1G	SZMMSZ39T1G
MMSZ3V0T1G	SZMMSZ3V0T1G
MMSZ3V3T1G	SZMMSZ3V3T1G
MMSZ3V6T1G	SZMMSZ3V6T1G

Std Part	Auto Part
MMSZ3V9T1G	SZMMSZ3V9T1G
MMSZ43T1G	SZMMSZ43T1G
MMSZ4678T1G	SZMMSZ4678T1G
MMSZ4679T1G	SZMMSZ4679T1G
MMSZ4680ET1G	SZMMSZ4680ET1G
MMSZ4680T1G	SZMMSZ4680T1G
MMSZ4681T1G	SZMMSZ4681T1G
MMSZ4682T1G	SZMMSZ4682T1G
MMSZ4683T1G	SZMMSZ4683T1G
MMSZ4684T1G	SZMMSZ4684T1G
MMSZ4685T1G	SZMMSZ4685T1G
MMSZ4686T1G	SZMMSZ4686T1G
MMSZ4687T1G	SZMMSZ4687T1G
MMSZ4688T1G	SZMMSZ4688T1G
MMSZ4688T3G	SZMMSZ4688T3G
MMSZ4689ET1G	SZMMSZ4689ET1G
MMSZ4689T1G	SZMMSZ4689T1G
MMSZ4689T3G	SZMMSZ4689T3G
MMSZ4690T1G	SZMMSZ4690T1G
MMSZ4690T3G	SZMMSZ4690T3G
MMSZ4691T1G	SZMMSZ4691T1G
MMSZ4692T1G	SZMMSZ4692T1G
MMSZ4693T1G	SZMMSZ4693T1G
MMSZ4693T3G	SZMMSZ4693T3G
MMSZ4694T1G	SZMMSZ4694T1G
MMSZ4694T3G	SZMMSZ4694T3G
MMSZ4696T1G	SZMMSZ4696T1G
MMSZ4697T1G	SZMMSZ4697T1G
MMSZ4698T1G	SZMMSZ4698T1G
MMSZ4699T1G	SZMMSZ4699T1G
MMSZ4700T1G	SZMMSZ4700T1G
MMSZ4701ET1G	SZMMSZ4701ET1G
MMSZ4701T1G	SZMMSZ4701T1G
MMSZ4702T1G	SZMMSZ4702T1G
MMSZ4703T1G	SZMMSZ4703T1G



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Std Part	Auto Part
MMSZ4704T1G	SZMMSZ4704T1G
MMSZ4705T1G	SZMMSZ4705T1G
MMSZ4708T1G	SZMMSZ4708T1G
MMSZ4709T1G	SZMMSZ4709T1G
MMSZ4711T1G	SZMMSZ4711T1G
MMSZ4713T1G	SZMMSZ4713T1G
MMSZ4714T1G	SZMMSZ4714T1G
MMSZ4715T1G	SZMMSZ4715T1G
MMSZ4717T1G	SZMMSZ4717T1G
MMSZ47T1G	SZMMSZ47T1G
MMSZ4V3T1G	SZMMSZ4V3T1G
MMSZ4V7T1G	SZMMSZ4V7T1G
MMSZ5221BT1G	SZMMSZ5221BT1G
MMSZ5222BT1G	SZMMSZ5222BT1G
MMSZ5223BT1G	SZMMSZ5223BT1G
MMSZ5225BT1G	SZMMSZ5225BT1G
MMSZ5226BT1G	SZMMSZ5226BT1G
MMSZ5227BT1G	SZMMSZ5227BT1G
MMSZ5228BT1G	SZMMSZ5228BT1G
MMSZ5229BT1G	SZMMSZ5229BT1G
MMSZ5230BT1G	SZMMSZ5230BT1G
MMSZ5231BT1G	SZMMSZ5231BT1G
MMSZ5232BT1G	SZMMSZ5232BT1G
MMSZ5233BT1G	SZMMSZ5233BT1G
MMSZ5234BT1G	SZMMSZ5234BT1G
MMSZ5235BT1G	SZMMSZ5235BT1G
MMSZ5235BT1H	SZMMSZ5235BT1G
MMSZ5235ET1G	SZMMSZ5235ET1G
MMSZ5236BT1G	SZMMSZ5236BT1G
MMSZ5237BT1G	SZMMSZ5237BT1G
MMSZ5237ET1G	SZMMSZ5237ET1G
MMSZ5238BT1G	SZMMSZ5238BT1G
MMSZ5239BT1G	SZMMSZ5239BT1G
MMSZ5240BT1G	SZMMSZ5240BT1G
MMSZ5241BT1G	SZMMSZ5241BT1G
MMSZ5242BT1G	SZMMSZ5242BT1G
MMSZ5242BT3G	SZMMSZ5242BT3G
MMSZ5242ET1G	SZMMSZ5242ET1G
MMSZ5243BT1G	SZMMSZ5243BT1G

Std Part	Auto Part
MMSZ5244BT1G	SZMMSZ5244BT1G
MMSZ5244ET1G	SZMMSZ5244ET1G
MMSZ5245BT1G	SZMMSZ5245BT1G
MMSZ5245ET1G	SZMMSZ5245ET1G
MMSZ5246BT1G	SZMMSZ5246BT1G
MMSZ5246ET1G	SZMMSZ5246ET1G
MMSZ5247BT1G	SZMMSZ5247BT1G
MMSZ5248BT1G	SZMMSZ5248BT1G
MMSZ5249BT1G	SZMMSZ5249BT1G
MMSZ5250BT1G	SZMMSZ5250BT1G
MMSZ5251BT1G	SZMMSZ5251BT1G
MMSZ5252BT1G	SZMMSZ5252BT1G
MMSZ5252ET1G	SZMMSZ5252ET1G
MMSZ5253BT1G	SZMMSZ5253BT1G
MMSZ5254BT1G	SZMMSZ5254BT1G
MMSZ5254ET1G	SZMMSZ5254ET1G
MMSZ5255BT1G	SZMMSZ5255BT1G
MMSZ5255ET1G	SZMMSZ5255ET1G
MMSZ5256BT1G	SZMMSZ5256BT1G
MMSZ5256ET1G	SZMMSZ5256ET1G
MMSZ5257BT1G	SZMMSZ5257BT1G
MMSZ5257ET1G	SZMMSZ5257ET1G
MMSZ5258BT1G	SZMMSZ5258BT1G
MMSZ5258BT3G	SZMMSZ5258BT3G
MMSZ5259BT1G	SZMMSZ5259BT1G
MMSZ5260BT1G	SZMMSZ5260BT1G
MMSZ5261BT1G	SZMMSZ5261BT1G
MMSZ5262BT1G	SZMMSZ5262BT1G
MMSZ5263BT1G	SZMMSZ5263BT1G
MMSZ5264BT1G	SZMMSZ5264BT1G
MMSZ5265BT1G	SZMMSZ5265BT1G
MMSZ5266BT1G	SZMMSZ5266BT1G
MMSZ5267BT1G	SZMMSZ5267BT1G
MMSZ5268BT1G	SZMMSZ5268BT1G
MMSZ5270BT1G	SZMMSZ5270BT1G
MMSZ5272BT3G	SZMMSZ5272BT3G
MMSZ56T1G	SZMMSZ56T1G
MMSZ5V1T1G	SZMMSZ5V1T1G
MMSZ5V6T1G	SZMMSZ5V6T1G

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Std Part	Auto Part
MMSZ6V2T1G	SZMMSZ6V2T1G
MMSZ6V8T1G	SZMMSZ6V8T1G
MMSZ7V5T1G	SZMMSZ7V5T1G
MMSZ8V2ET1G	SZMMSZ8V2ET1G
MMSZ8V2T1G	SZMMSZ8V2T1G
MMSZ9V1T1G	SZMMSZ9V1T1G
NSI45020AT1G	NSV45020AT1G
NSI45030AT1G	NSV45030AT1G
NSI50010YT1G	NSV50010YT1G
NSI45015WT1G	NSV45015WT1G
NSI45020T1G	NSV45020T1G
NSI45025T1G	NSV45025T1G



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List of affected General Parts:

NRVB0530T1G	SZMMSZ3V3T1G	SZMMSZ5236BT1G
NRVB0530T3G	SZMMSZ3V6T1G	SZMMSZ5237BT1G
NRVB0540T1G	SZMMSZ3V9T1G	SZMMSZ5237ET1G
NRVB0540T3G	SZMMSZ4678T1G	SZMMSZ5238BT1G
NRVB130T1G	SZMMSZ4679T1G	SZMMSZ5239BT1G
SMMSD103T1G	SZMMSZ4680ET1G	SZMMSZ5240BT1G
SMMSD301T1G	SZMMSZ4680T1G	SZMMSZ5241BT1G
SMMSD4148T1G	SZMMSZ4681T1G	SZMMSZ5242BT1G
SMMSD4148T3G	SZMMSZ4682T1G	SZMMSZ5242BT3G
SMMSD701T1G	SZMMSZ4683T1G	SZMMSZ5242ET1G
SMMSD914T1G	SZMMSZ4684T1G	SZMMSZ5243BT1G
SMMSD914T3G	SZMMSZ4685T1G	SZMMSZ5244BT1G
SMMSZ4688T1G	SZMMSZ4686T1G	SZMMSZ5244ET1G
SMMSZ4689ET1G	SZMMSZ4687T1G	SZMMSZ5245BT1G
SMMSZ4689T1G	SZMMSZ4688T1G	SZMMSZ5245ET1G
SMMSZ4690T1G	SZMMSZ4689ET1G	SZMMSZ5246BT1G
SMMSZ4698T1G	SZMMSZ4689T1G	SZMMSZ5246ET1G
SMMSZ4701T1G	SZMMSZ4689T3G	SZMMSZ5247BT1G
SMMSZ4704T1G	SZMMSZ4690ET1G	SZMMSZ5248BT1G
SMMSZ4711T1G	SZMMSZ4690ET3G	SZMMSZ5248ET1G
SMMSZ4713T1G	SZMMSZ4690T1G	SZMMSZ5249BT1G
SMMSZ5252BT1G	SZMMSZ4690T3G	SZMMSZ5250BT1G
SMMSZ5252ET1G	SZMMSZ4691T1G	SZMMSZ5250ET1G
SMMSZ5254BT1G	SZMMSZ4692T1G	SZMMSZ5251BT1G
SMMSZ5256BT1G	SZMMSZ4693T1G	SZMMSZ5251ET1G
SMMSZ5260BT1G	SZMMSZ4694T1G	SZMMSZ5252BT1G
SMSD1002T1G	SZMMSZ4696T1G	SZMMSZ5252ET1G
SMSZ1600-31T3G	SZMMSZ4697T1G	SZMMSZ5252ET3G
SMSZ1600-35T3DSG	SZMMSZ4698T1G	SZMMSZ5253ET1G
SMSZ4688ST1G	SZMMSZ4699T1G	SZMMSZ5254BT1G
SZMMSZ10T1G	SZMMSZ4701ET1G	SZMMSZ5254ET1G
SZMMSZ10T3G	SZMMSZ4701T1G	SZMMSZ5255BT1G
SZMMSZ11T1G	SZMMSZ4702T1G	SZMMSZ5256BT1G
SZMMSZ12T1G	SZMMSZ4703T1G	SZMMSZ5256ET1G
SZMMSZ12T3G	SZMMSZ4704T1G	SZMMSZ5257BT1G
SZMMSZ13ET1G	SZMMSZ4704T3G	SZMMSZ5257ET1G
SZMMSZ13T1G	SZMMSZ4705T1G	SZMMSZ5258BT1G
SZMMSZ15ET1G	SZMMSZ4709T1G	SZMMSZ5258BT3G
SZMMSZ15T1G	SZMMSZ4711T1G	SZMMSZ5258ET1G
SZMMSZ16T1G	SZMMSZ4711T3G	SZMMSZ5259BT1G
SZMMSZ18ET1G	SZMMSZ4713T1G	SZMMSZ5260BT1G
SZMMSZ18T1G	SZMMSZ4714T1G	SZMMSZ5261BT1G
SZMMSZ20T1G	SZMMSZ4715T1G	SZMMSZ5261BT3G
SZMMSZ22T1G	SZMMSZ4V3T1G	SZMMSZ5262BT1G

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SZMMSZ24T1G	SZMMSZ4V7T1G	SZMMSZ5265BT1G
SZMMSZ24T3G	SZMMSZ5221BT1G	SZMMSZ5266BT1G
SZMMSZ27ET1G	SZMMSZ5222BT1G	SZMMSZ5267BT1G
SZMMSZ27T1G	SZMMSZ5223BT1G	SZMMSZ5270BT1G
SZMMSZ27T3G	SZMMSZ5225BT1G	SZMMSZ5300T1G
SZMMSZ2V4T1G	SZMMSZ5226BT1G	SZMMSZ5V1T1G
SZMMSZ2V4T3G	SZMMSZ5227BT1G	SZMMSZ5V6T1G
SZMMSZ2V7ET1G	SZMMSZ5228BT1G	SZMMSZ6V2T1G
SZMMSZ2V7T1G	SZMMSZ5229BT1G	SZMMSZ6V8T1G
SZMMSZ30T1G	SZMMSZ5230BT1G	SZMMSZ7V5T1G
SZMMSZ33ET1G	SZMMSZ5231BT1G	SZMMSZ8V2T1G
SZMMSZ33ET3G	SZMMSZ5232BT1G	SZMMSZ9V1T1G
SZMMSZ33T1G	SZMMSZ5232ET1G	SZMMSZ5226CT1G
SZMMSZ33T3G	SZMMSZ5233BT1G	SZMMSZ5245CT1G
SZMMSZ36T1G	SZMMSZ5234BT1G	SZMMSZ5248CT1G
SZMMSZ39T1G	SZMMSZ5235BT1G	SZMMSZ5250CT1G
SZMMSZ3V0T1G	SZMMSZ5235ET1G	SZMMSZ5252CT1G
SZMMSZ5256CT1G		

List of affected Customer Specific Parts:

SMSZ1000T1G	SMSZ1024T1G	SZMMSZ5231CT1G
SMSZ1002T1G	SMSZ1600-18T3DSG	SZMMSZ5232CT1G
SMSZ1006T1G	SMSZ1600-20T3DSG	SMSZ1600-23T3DSG
SMSZ1007T1G	SMSZ1600-20T3G	SMSZ3620T1G
SMSZ1009T1G	SZMMSZ18T1DSG	SSV1D116ML2T3G
SMSZ1010T1G	SMSZ1018T1G	SMSZ1022T1G
SMSZ1013T1G		