



Title of Change:	Copper Wire replacing Gold Wire for SOD-323 Package of Zener Products in Leshan, China
Proposed first ship date:	30 August 2016
Contact information:	Contact your local ON Semiconductor Sales Office or <Jim.Peng@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Rui.Zhang@lps.com.cn>.
Type of notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>.
Change Part Identification:	Products (listed on this FPCN) assembled with the Copper Wire from the ON Semiconductor facility in Leshan, China, will have a Finish Good Date Code representing Work Week 34, 2016 or newer.
Change category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Change/Addition <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____
Sites Affected:	<input type="checkbox"/> All site(s) <input type="checkbox"/> not applicable <input checked="" type="checkbox"/> ON Semiconductor site(s) : ON Leshan, China <input type="checkbox"/> External Foundry/Subcon site(s)
Description and Purpose:	ON Semiconductor is notifying customers of its use of 2mils Copper Wire (in place of Gold Wire) for their SOD-323 Packaged Products assembled with Zener Die. Reliability Qualification and full electrical characterization over temperature has been performed.

**Reliability Data Summary:**

Qual Vehicle SD05T1G

PACKAGE: SOD-323

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103 AEC-Q101	Ta= 150C	2016 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	Before TC, AC, H3TRB, IOL	0/960
AC	JESD22-A102 AEC-Q101	121°C, 100% RH, ~15psig, unbiased	192 hrs	0/240
TC	JESD22-A104 AEC-Q101	Ta= - 65°C to +150°C	2000 cyc	0/240
H3TRB	JESD22-A101 AEC-Q101	Temp = +85°C; RH = 85%, 80% V bias	2016 hrs	0/240
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	30000 cyc	0/240
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

Electrical Characteristic Summary:

There is no change in electrical characteristics. Product performance meets data sheet specifications, Data is available upon request

List of affected Standard Parts:

Part Number	Qualification Vehicle
SD05T1G	SD05T1G for SD05T1G
SD05T3G	SD05T1G for SD05T3G