



Title of Change:	Lead Change from Copper to Nickel plated for high voltage ultrafast devices in Axial package
Proposed first ship date:	23 February 2016
Contact information:	Contact your local ON Semiconductor Sales Office or Lim Say Meng <SayMeng.Lim@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Chean Ching Sim <ffxg4t@onsemi.com>
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:	There are no changes in the part numbers, case outline or marking.
Change category:	<input type="checkbox"/> Wafer Fab <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 type="checkbox"/> ON Semiconductor site(s) : <input type="checkbox"/> External Foundry/Subcon site(s) <u>Suzhou GoodArk Electronic Co Ltd</u>
Description and Purpose:	<p>This FPCN specify the change of Copper lead to Nickel plated lead for high voltage ultrafast devices in Axial package. This change will improve product robustness, without compromising the product performances of the affected devices. The exposed lead portion for soldering is remained as Copper thus does not affect solderability. There are no changes in the part numbers, case outline or marking.</p>



Reliability Data Summary:

QV DEVICE NAME: MUR2100ERLG PACKAGE: Axial package

Test	Specification	Condition	Interval	Results
AC	JESD22-A102	Ta =121°C, RH=100% 15 psig	96 hrs	0/240
TC	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/240
H3TRB	JESD22-A101	85°C, 85% RH, 18.8psig, Bias = 80% rated V or 100V	1008 hrs	0/240
HTRB	JESD22-A108	Ta= 85°C, 80% max rated V	1008 hrs	0/149
SD	JSTD002	Ta = 245°C, 10 sec		0/ 45

Electrical Characteristic Summary:

There are no changes in electrical characteristics. Product performance meets data sheet specifications.

List of affected Standard Parts:

Part Number	Qualification Vehicle
MUR180EG	MUR2100EG
MUR180ERLG	MUR2100EG
MUR1100EG	MUR2100EG
MUR1100ERLG	MUR2100EG
MUR2100EG	MUR2100EG
MUR2100ERLG	MUR2100EG