ON Semiconductor

Final Product/Process Change Notification

Document # : FPCN21114XA
Issue Date: 5 August 2016

Title of Change:	Lead Change from Copper to Nickel plated for high voltage ultrafast devices in Axial package.
Proposed first ship date:	12 November 2016 *or earlier upon customer approval*
Contact information:	Contact your local ON Semiconductor Sales Office or<SayMeng.Lim@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <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:	☐ Wafer Fab Change ☒ Assembly Change ☐ Test Change ☐ Other _____

Change Sub-Category(s):

☐ Manufacturing Site Change/Addition
☐ Manufacturing Process Change
☒ Material Change
☐ Product specific change
☐ Datasheet/Product Doc change
☐ Shipping/Packaging/Marking
☐ Other: _____

Sites Affected:

☐ All site(s) ☐ not applicable
☐ ON Semiconductor site(s) : _____
☒ External Foundry/Subcon site(s) Suzhou Good-Ark Electronics Co Ltd

Description and Purpose:

This FPCN announces the change from Copper Lead to Nickel Plated Lead for the below listed ON Semiconductor high voltage ultrafast devices in the Axial package. This change does not affect the external portion of the lead that is exposed for soldering which will remain Copper and thus has no impact on solderability.

This change will improve product robustness, without compromising the product performance of the affected devices.

	Before	After
Material Change	Copper lead	Nickel plated lead

There are no changes in the part numbers, case outline or marking.

Reliability Data Summary:

QV DEVICE: MUR4100ERLG
PACKAGE: Axial

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 85°C, 80% max rated V	1008 hrs	0/240

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
MUR480EG	MUR4100ERLG
MUR480ERLG	MUR4100ERLG
MUR480ESG	MUR4100ERLG
MUR4100EG	MUR4100ERLG
MUR4100ERLG	MUR4100ERLG