



Final Product/Process Change Notification

Document #:FPCN25995X

Issue Date:18 Mar 2025

Title of Change:	Fab change from Goodark, China fab to Anxin, China fab for axial package.	
Proposed First Ship date:	24 Jun 2025 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office.	
PCN Samples Contact:	<p>Contact your local onsemi Sales Office.</p> <p>Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change.</p> <p>Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.</p>	
Additional Reliability Data:	Contact your local onsemi Sales Office.	
Type of Notification:	<p>This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.</p> <p>onsemi 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</p>	
Marking of Parts/ Traceability of Change:	Changed material can be identified by date or lot code	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	Anxin Fab, China	
Description and Purpose:		
<p>onsemi would like to announce that the Axial package will change Fab site from Goodark Fab, China Fab to Anxin Fab, China.</p> <p>Impacted device is listed in below list.</p>		
	From	To
Fab Site	Goodark Fab, China	Anxin Fab, China
This change is not impacted to Fit, Form and Function device		



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Reliability Data Summary:

QV DEVICE NAME: 1N4007RLG

RMS: NA

PACKAGE: Axial Lead

Test	Condition	Interval	Results
HTS	150°C *80%VR	1008hrs	0/77
HTOL	150°C*80%VR	168 hrs	0/77
THB	Ta=85°C, 85%RH, 80% rated or 100V max	168 hrs	0/77
AC	121°C*2Bar	96 hrs	0/77
RSH	260°C	10 sec	0/77
TC	-55°C~ +150°C	1000 cyc	0/77
IOL	Ta=25°C,2on 2off, ΔTJ ≥ 100°C	2500 cyc	0/77
SD	245°C	5 S	0/77

QV DEVICE NAME: 1N4008RLG

RMS: NA

PACKAGE: Axial Lead

Test	Condition	Interval	Results
HTS	150°C *80%VR	1008hrs	0/77
HTOL	150°C*80%VR	168 hrs	0/77
THB	Ta=85°C, 85%RH, 80% rated or 100V max	168 hrs	0/77
AC	121°C*2Bar	96 hrs	0/77
RSH	260°C	10 sec	0/77
TC	-55°C~ +150°C	1000 cyc	0/77
IOL	Ta=25°C,2on 2off, ΔTJ ≥ 100°C	2500 cyc	0/77
SD	245°C	5 S	0/77

QV DEVICE NAME: 1N4937RLG

RMS: NA

PACKAGE: Axial Lead

Test	Condition	Interval	Results
HTS	90°C *80%VR	1008hrs	0/77
HTOL	150°C*80%VR	168 hrs	0/77
THB	Ta=85°C, 85%RH, 80% rated or 100V max	168 hrs	0/77
AC	121°C*2Bar	96 hrs	0/77
RSH	260°C	10 sec	0/77
TC	-55°C~ +150°C	1000 cyc	0/77
IOL	Ta=25°C,2on 2off, ΔTJ ≥ 100°C	2500 cyc	0/77
SD	245°C	5 S	0/77



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Electrical Characteristics Summary:

Electrical characteristics are not impacted by this change

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Part Number	Qualification Vehicle
1N4007RLG	1N4007RLG
1N4007G	1N4007RLG
1N4937RLG	1N4937RLG
1N5408RLG	1N5408RLG

Appendix A: Changed Products

PCN#: FPCN25995X
Issue Date: Mar 17, 2025

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
1N4007G		1N4007RLG	NA	
1N4937RLG		1N4937RLG	NA	
1N4007RLG		1N4007RLG	NA	
1N5408RLG		1N5408RLG	NA	