

Important notice

Dear Customer,

On 7 February 2017 the former NXP Standard Product business became a new company with the tradename **Nexperia**. Nexperia is an industry leading supplier of Discrete, Logic and PowerMOS semiconductors with its focus on the automotive, industrial, computing, consumer and wearable application markets

In data sheets and application notes which still contain NXP or Philips Semiconductors references, use the references to Nexperia, as shown below.

Instead of <http://www.nxp.com>, <http://www.philips.com/> or <http://www.semiconductors.philips.com/>, use <http://www.nexperia.com>

Instead of sales.addresses@www.nxp.com or sales.addresses@www.semiconductors.philips.com, use salesaddresses@nexperia.com (email)

Replace the copyright notice at the bottom of each page or elsewhere in the document, depending on the version, as shown below:

- © NXP N.V. (year). All rights reserved or © Koninklijke Philips Electronics N.V. (year). All rights reserved

Should be replaced with:

- © **Nexperia B.V. (year). All rights reserved.**

If you have any questions related to the data sheet, please contact our nearest sales office via e-mail or telephone (details via salesaddresses@nexperia.com). Thank you for your cooperation and understanding,

Kind regards,

Team Nexperia

PCN 201501003F01

Tak Cheong licensing 1N4148 family

Revision: 28 January 2015

Self Qualification Report

Document Information

Information	Content
Author	Kerstin Stolze
Approver	Thomas Lange
Supplier	NXP Semiconductors
Document Number	PCN 201501003F01-GA15-01

Revision History

Revision	Date	Description
1	2015-Jan-28	Initial document

Contact Information

For more information, please contact: discrqa.helpdesk.ga-products@nxp.com



Table of Contents

1.	Subject	3
2.	Introduction	3
3.	Information for customers	4
3.1	General Information	4
3.2	Sales Contact.....	4
3.3	Ordering Information.....	4
4.	Material and process details	5
5.	Qualification Report	5
6.	Comparison of packing and labeling appearance	6
7.	Traceability	11
8.	Conclusion	11
9.	Legal Disclaimer	11

1. Subject

The Self Qualification Report gives background information about the change of the packing labeling (format, content, logo) of the product family 1N4148, which will be manufactured under NXP license by Tak Cheong Electronics (Holdings) Co., Ltd., Hong Kong, China ("TAK CHEONG").

2. Introduction

For efficiency and logistic reasons the manufacturing and selling of products of the glass-diode type family 1N4148 will be taken over completely by TAK CHEONG under license of NXP, where it has been manufactured already since year 2003.

This includes also the complete customer support like product information, complaint issue handling, application support etc.

The start of this license production is planned for July 1st, 2015.

Last order date NXP: May 15th, 2015 → First order date TAK CHEONG: May 16th, 2015
Last shipment date NXP: Jun 30th, 2015 → First shipment date TAK CHEONG: Jul 1st, 2015

The products themselves remain unchanged: no technical change will be made to die, glass and wires and processing for a guaranteed period of minimum 12 months.

The NXP 12NC codes for ordering will be replaced by TAK CHEONG item codes.

It concerns the following products:

TYPE	PACKAGE	NXP 12NC (old order code)	TAK CHEONG item codes (new order code)
1N4148	SOD27	933083990113	PH1N4148TR
1N4148	SOD27	933083990133	PH1N4148TB
1N4148	SOD27	933083990143	PH1N4148T26B
1N4448	SOD27	933120350113	PH1N4448TR
1N4448	SOD27	933120350133	PH1N4448TB
1N4448	SOD27	933120350143	PH1N4448T26B
BAW62	SOD27	933101220113	PH1N914BTR
BAW62	SOD27	933101220133	PH1N914BTB
BAW62	SOD27	933101220143	PH1N914BT26B

Product information like datasheets and product specifications will be available under:

<http://www.takcheong.com/en/channels/Products1.html>

3. Information for customers

3.1 General Information

General information about company TAK CHEONG, e.g. their product portfolio, sales information, supplier information etc. is available under:

<http://www.takcheong.com/en/>

3.2 Sales Contact

Sales contact person at TAK CHEONG is Mr. Gary Huang.

Contact: Mr. Gary Huang
Address: Tak Cheong Industrial Zone, Bubian, Shanwei, Guangdong, PRC, P.C. 516600
Tel: +86-660-3281179
Fax: +86-660-3382070
Mobile: +86-13719535503
E-mail: l.g.huang@takcheong.com

More contact information is available under:

<http://www.takcheong.com/en/channels/ContactUs.html>

Please contact TAK CHEONG Sales directly to setup a new customer account prior to sending purchase orders.

3.3 Ordering Information

The new order address of TAK CHEONG is:

Tak Cheong Electronics (Holdings) Co., Ltd.
Room 220-222, Chiap Thong Building,
321 Tokwawan Road, Kowloon,
Hong Kong

TAK CHEONG does not provide a web based ordering system. For more information regarding ordering procedures please contact TAK CHEONG Sales.

4. Material and process details

There are no changes of the used material and the applied assembly process.

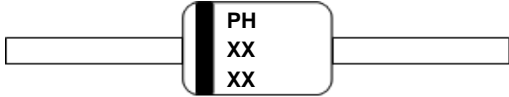
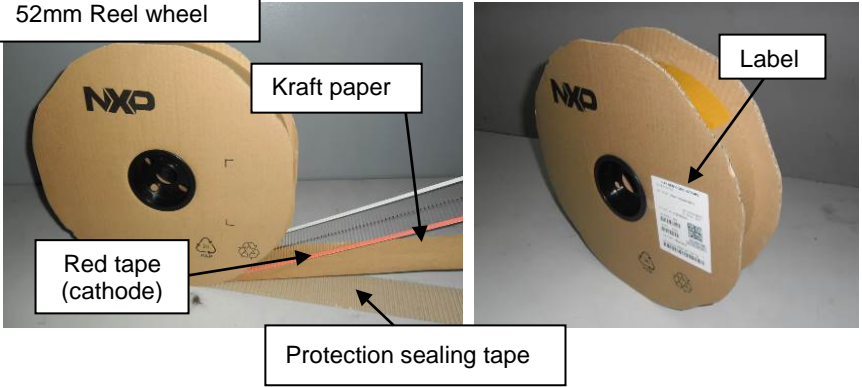

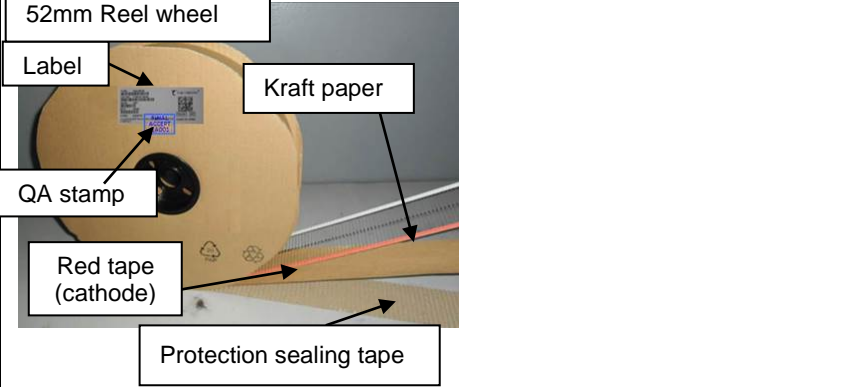
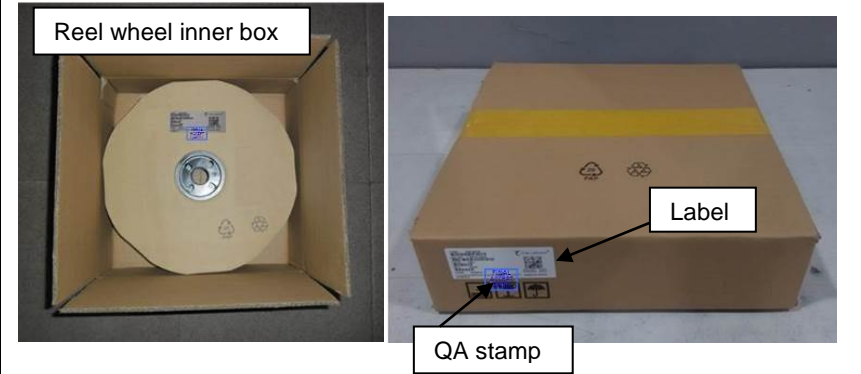
This change affects only the packing and labeling appearance.

Product marking, reel and box dimensions remain unchanged.



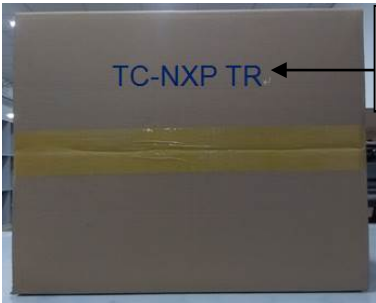
5. Qualification Report

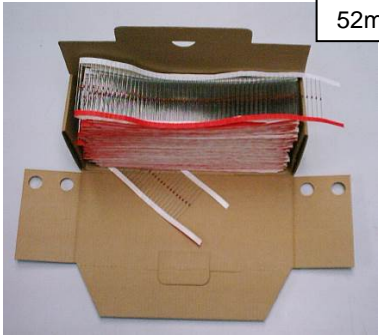

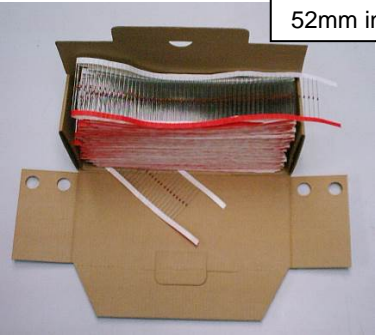
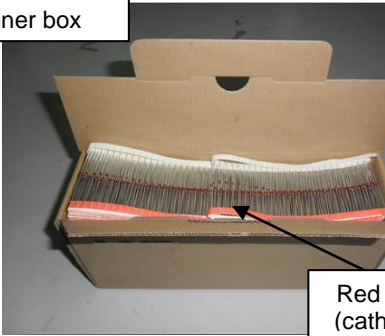


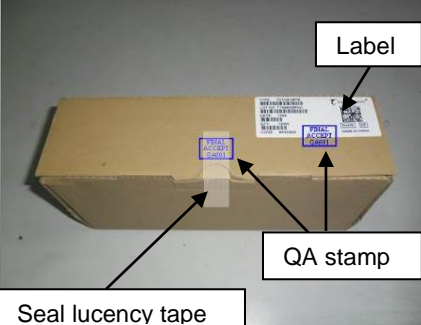


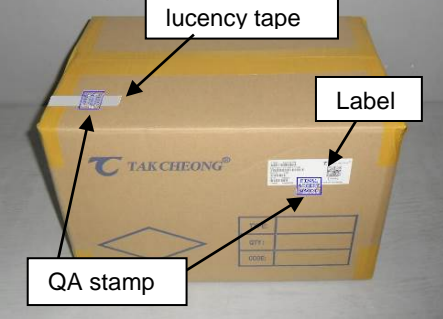
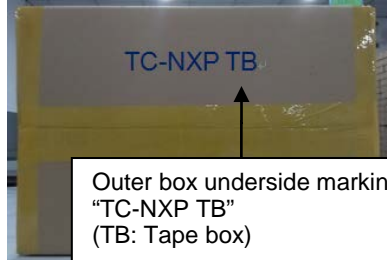
N/A

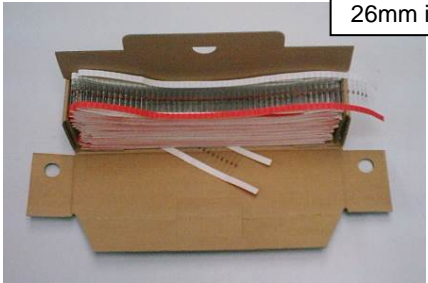
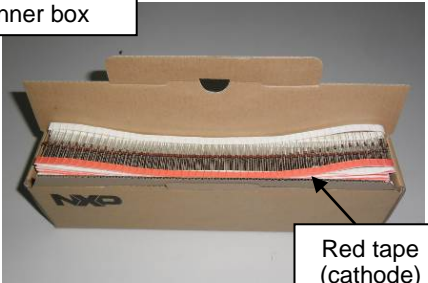
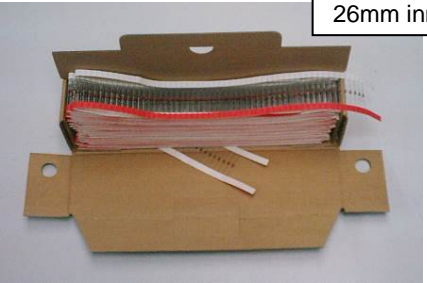
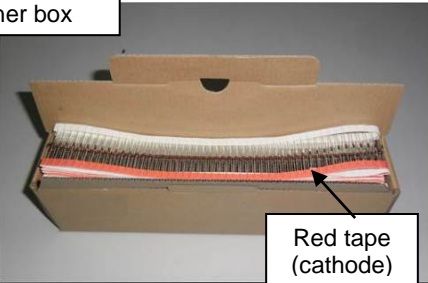


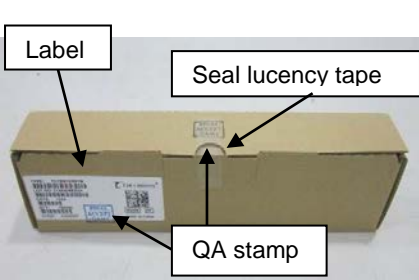

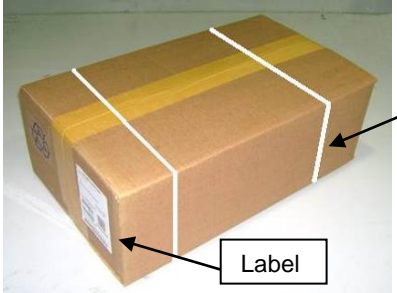
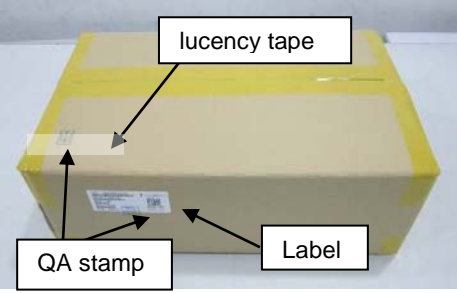
6. Comparison of packing and labeling appearance

<p>Packing type</p>	<p>Diode body Marking: </p>	
	<p>NXP packing (current)</p>	<p>TAK CHEONG packing (new)</p>
<p>Reel packing</p>	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">   </div> <div style="width: 45%;">   </div> </div>	

Takeover of production of glass-diode types 1N4148, 1N4448, BAW62
under NXP license by TAK CHEONG

	<p>Reel wheel outer box</p>  <p>Label</p> <p>Packing tape (finished product warehouse)</p> <p>Reel max quantity: 10KPCS Outer box max quantity: 40KPCS</p>	<p>Reel wheel outer box</p>  <p>Label</p> <p>QA stamp</p>  <p>Outer box underside marking: "TC-NXP TR" (TR: Tape reel)</p> <p>Reel max quantity: 10KPCS Outer box max quantity: 40KPCS</p>

<p>52mm Ammo packing Tape Box</p>	 <p>52mm inner box</p>	 <p>Red tape (cathode)</p>	 <p>52mm inner box</p>	 <p>Red tape (cathode)</p>
	 <p>QA Seal tape</p> <p>Label</p>	 <p>52mm ammo outer box</p>	 <p>Label</p> <p>QA stamp</p> <p>Seal lucency tape</p>	 <p>52mm ammo outer box</p>
	 <p>Label</p> <p>Packing tape (finished product warehouse)</p>	 <p>Lucency tape</p> <p>Label</p> <p>QA stamp</p>	 <p>TC-NXP TB</p> <p>Outer box underside marking: "TC-NXP TB" (TB: Tape box)</p>	
	<p>Inner box max quantity: 10KPCS</p> <p>Outer box max quantity: 100KPCS</p>	<p>Inner box max quantity: 10KPCS</p> <p>Outer box max quantity: 100KPCS</p>		

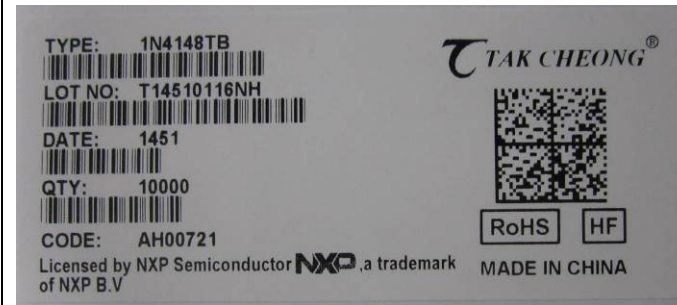
<p>26mm Ammo packing Tape box</p>	 <p>26mm inner box</p>	 <p>Red tape (cathode)</p>	 <p>26mm inner box</p>	 <p>Red tape (cathode)</p>
	 <p>QA Seal</p> <p>Label</p>	 <p>26mm ammo outer box</p>	 <p>Label</p> <p>Seal lucency tape</p> <p>QA stamp</p>	 <p>26mm ammo outer box</p>
	 <p>Packing tape (finished product warehouse)</p> <p>Label</p> <p>Inner box max quantity: 5KPCS Outer box max quantity: 100KPCS</p>		 <p>lucency tape</p> <p>QA stamp</p> <p>Label</p> <p>Inner box max quantity: 5KPCS Outer box max quantity: 100KPCS</p>	

Takeover of production of glass-diode types 1N4148, 1N4448, BAW62
under NXP license by TAK CHEONG

Label sample



label size : 76*102mm



Label explain: Licensed by NXP Semiconductor "NXP", a trademark of NXP B.V

label size : 96*40mm

7. Traceability

The change can be identified by the labels on the boxes and reels.

8. Conclusion

The products do not change functionally. NXP does not anticipate any negative impact on fit, form, function and reliability.

9. Legal Disclaimer

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent – or other industrial or intellectual property rights.