



Final Product/Process Change Notification

Document #:FPCN25572X2

Issue Date: 10 Oct 2023

Title of Change:	Update to FPCN25572X to provide reliability data for SOT953.	
Proposed First Ship date:	01 Jan 2024 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or logic.fpcn@onsemi.com	
PCN Samples Contact:	Contact your local onsemi Sales Office. 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. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local onsemi Sales Office or ChangKit.Mok@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. 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	
Marking of Parts/ Traceability of Change:	Custom source on label will show TW instead of US/JP to indicate new die source from Vanguard. Changed material may be identified by plant code or lot code too.	
Change Category:	Assembly Change, Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Site Transfer	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Leshan, China	Vanguard International Semiconductor, Taiwan	
Description and Purpose:		
With reference to FPCN25572X , this FPCN presents the information solely for SOT953 package.		
➤ Assembly changes:		
	From	To
Assembly Site	onsemi Leshan Phoenix Semiconductor	
Wire Type	Au or Cu	Cu
Mold Compound	Showa Denko GE200F or Hysol GR640 HV	Hysol GR640 HV
Fab Site	Tower Semiconductor and TPSCo	Vanguard International Semiconductor (VIS)
➤ Reliability Summary: Refer to embedded excel RMS S87090 and RMS87092.		
Reliability Data Summary:		
Note: Please refer to the Reliability Summary Excel.		
To view attachments:		
1. Download pdf copy of the PCN to your computer		
2. Open the downloaded pdf copy of the PCN		
3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field		
4. Then click on the attached file.		



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Electrical Characteristics Summary:

Electrical characteristics available upon request.

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
MC74VHC1G08P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G08P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G125P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G126P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G14P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G14P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G32P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G50P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT00P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT04P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT08P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT08P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT126P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT32P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ00P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ02P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ02P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ04P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ07P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ08P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ08P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ125P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ126P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ126P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ14P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZU04P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH



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NL17SZU04P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ86P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ86P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ32P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ32P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ17P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ17P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ16P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ14P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ12P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ07P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ06P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ04P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
NL17SZ00P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT32P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT126P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT04P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1GT00P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G50P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G32P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G126P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G125P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G04P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G04P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G02P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G02P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G00P5T5G-L22088	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH
MC74VHC1G00P5T5G	MC74VHC1G08P5T5G, NL17SZ08XV5T2GH

Appendix A: Changed Products

PCN#: FPCN25572X2
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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MC74VHC1G08P5T5G-L22088		MC74VHC1G08P5T5G, NL17SZ08XV5T2GH	MC74VHC1G08P5T5G	
NL17SZ126P5T5G		MC74VHC1G08P5T5G, NL17SZ08XV5T2GH	No Change	
NL17SZ125P5T5G		MC74VHC1G08P5T5G, NL17SZ08XV5T2GH	No Change	