



## Final Product/Process Change Notification

Document #:FPCN25572X1

Issue Date:10 Oct 2023

<b>Title of Change:</b>	Update to <b>FPCN25572X</b> to provide reliability data for SOT553.	
<b>Proposed First Ship date:</b>	01 Jan 2024 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:logic.fpcn@onsemi.com">logic.fpcn@onsemi.com</a>	
<b>PCN Samples Contact:</b>	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.	
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:ChangKit.Mok@onsemi.com">ChangKit.Mok@onsemi.com</a>	
<b>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>	
<b>Marking of Parts/ Traceability of Change:</b>	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.	
<b>Change Category:</b>	Assembly Change, Wafer Fab Change	
<b>Change Sub-Category(s):</b>	Manufacturing Site Transfer	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
onsemi Leshan, China	Vanguard International Semiconductor, Taiwan	
<b>Description and Purpose:</b>		
With reference to FPCN25572X, this FPCN presents the information solely for SOT553 package.		
➤ <b>Assembly changes:</b>		
	<b>From</b>	<b>To</b>
<b>Assembly Site</b>	onsemi Leshan Phoenix Semiconductor	
<b>Bond Wire</b>	Au or Cu	Cu
<b>Mold Compound</b>	Showa Denko GE200F	Hysol GR640 HV
<b>Fab Site</b>	Tower Semiconductor and TPSCo	Vanguard International Semiconductor (VIS)
➤ <b>Reliability Summary:</b> Refer to embedded excel RMS S87092.		
<b>Reliability Data Summary:</b>		
<b>Note: Please refer to the Reliability Summary Excel.</b>		
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
MC74VHC1GT50XV5T2G	NL17SZ08XV5T2GH
NL17SZ00XV5T2G	NL17SZ08XV5T2GH
NL17SZ00XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ02XV5T2G	NL17SZ08XV5T2GH
NL17SZ04XV5T2G	NL17SZ08XV5T2GH
NL17SZ04XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ06XV5T2G	NL17SZ08XV5T2GH
NL17SZU04XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZU04XV5T2G	NL17SZ08XV5T2GH
NL17SZ32XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ32XV5T2G	NL17SZ08XV5T2GH
NL17SZ17XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ17XV5T2GH	NL17SZ08XV5T2GH
NL17SZ17XV5T2G	NL17SZ08XV5T2GH
NL17SZ16XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ16XV5T2G	NL17SZ08XV5T2GH
NL17SZ14XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ14XV5T2G	NL17SZ08XV5T2GH
NL17SZ126XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ126XV5T2G	NL17SZ08XV5T2GH
NL17SZ125XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ125XV5T2G	NL17SZ08XV5T2GH
NL17SZ08XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ08XV5T2GH	NL17SZ08XV5T2GH
NL17SZ08XV5T2G	NL17SZ08XV5T2GH



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NL17SZ07XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ07XV5T2G	NL17SZ08XV5T2GH
NL17SZ06XV5T2G-L22087	NL17SZ08XV5T2GH
NL17SZ02XV5T2G-L22087	NL17SZ08XV5T2GH