



Final Product/Process Change Notification

Document #:FPCN25572X19

Issue Date: 21 Nov 2023

Title of Change:	Update to FPCN25572X - Info for TSSOP-20 Only.		
Proposed First Ship date:	23 Feb 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 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, Datasheet/Product Doc change		
Sites Affected:			
onsemi Sites	External Foundry/Subcon Sites		
onsemi Carmona, Philippines	ATEC - Automated Technology, Philippines		
	Vanguard International Semiconductor, Taiwan		
Description and Purpose:			
With reference to FPCN25572X , this FPCN presents the information solely for TSSOP-20 package.			
	From	To	
Fab Site	Tower Semiconductor, Diodes Maine	Vanguard International Semiconductor (VIS)	
Wafer Size	150 mm, 200 mm	200 mm	
	From	To	
Assembly Site	onsemi Carmona, ATEC	onsemi Carmona	ATEC
Wire Type	0.8 mil Au, 0.8 mil Cu	1 mil PCC	1 mil PCC

➤ Marking change for specified parts listed in the marking embedded excel file:

	From	To
Product Marking Change	XXXXX = Specific Device Code Z = Assembly Plant Code XY = Data Code (Year & Week) KK = Lot Traceability Code	XXXXX = Specific Device Code A = Assembly Location L/WL = Wafer Lot Y/YY = Year W/WW = Work Week ▪ or G = Pb-Free Package (Note: Microdot may be in either location)

➤ Case outline drawing update:

	From	To
Case Outline Document	CASE 948E-02	CASE 948AQ

Reliability Data Summary:

- Refer to embedded excel RMS O89395 and O89401.

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.

Electrical Characteristics Summary:

	From	To
Datasheet	Current Revision	New Revision
Absolute Max Voltage Rating	7 V	6.5 V



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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
MM74HCT574MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT541MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC374MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT241ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT373MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC377DTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC541ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC240ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT573MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC373MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT241ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC273MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT374DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC374DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT273MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC245AMTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC573MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC373ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC373DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT573ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT241DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC245ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT245ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT244MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC244ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC541MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC273MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC574MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
74ACT240MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G



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MC74HCT373ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC373MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT245MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC245DTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT240MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC244MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC240MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT273MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC273ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
74AC244MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC573ADTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
74AC541MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
74AC245MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC244MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT541DTG	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT573MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT374MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC240DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC540ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC540MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT541ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC374ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT540MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT574DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
74ACT244MTC	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC573DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC573ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC373ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC573MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT245MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC574MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT574MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC245AMTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HC541MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G



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MC74AC574DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC541ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC377DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
74AC245MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
74AC244MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT244MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
74ACT245MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT574ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC245ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC273DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT273ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC574ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
74ACT240MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC273ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MM74HCT541MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT244ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HC244ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT245DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
74ACT541MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT374ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT540DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
74AC541MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT573DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT373DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC541DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT541DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC244DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT273DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
74ACT244MTCX	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74HCT245ADTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74ACT244DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G
MC74AC245DTR2G	MC74HC244ADTR2G, NLV74HC244ADTR2G

Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MC74HCT245ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC245DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC245ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT574ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74ACT245MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT244MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74AC244MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74AC245MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC377DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC541ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC574DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC541MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC245AMTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT244DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT574MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT245MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC574MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC573MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC573ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC373ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
74ACT244MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC573DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT540MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT574DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT541ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC374ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC540MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT374MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC540ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT573MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC240DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC244MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT541DTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74AC541MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74AC245MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC573ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74AC244MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC273ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC240MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT273MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MM74HCT240MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC244MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT245MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC373MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT373ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74ACT240MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC574MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC273MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC541MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC245DTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT244MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC244ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT574MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT541MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT373MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT241ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC240ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC541ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC373MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT573MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MC74ACT374DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT241ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC273MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC374DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC245AMTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT273MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HC573MTC		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC373ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT241DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC373DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT573ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC245ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC273DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT245ADTG		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT273ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC574ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC273ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74ACT240MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MM74HCT541MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HC244ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
MC74HCT244ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74ACT541MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT245DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74HCT374ADTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74AC541MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT573DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT540DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT373DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT541DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC541DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74ACT273DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
MC74AC244DTR2G		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	
74ACT244MTCX		MC74HC244ADTR2G, NLV74HC244ADTR2G	NA	