



Title of Change:	Update to FPCN23629Z to revise "Current Material Last Order Date" - Qualification of SOT223 IC for Wire Material Conversion from 1.5mils Au to 1.5mils PCC Wire						
Proposed Changed Material First Ship Date:	12 Nov 2021 or earlier if approved by customer						
Current Material Last Order Date:	31 May 2021 <i>Orders received after the Current Material Last Order Date expiration are to be considered as orders for new changed material as described in this PCN. Orders for current (unchanged) material after this date will be per mutual agreement and current material inventory availability.</i>						
Current Material Last Delivery Date:	11 Nov 2021 <i>The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory</i>						
Product Category:	Active components – Integrated circuits						
Contact information:	Contact your local ON Semiconductor Sales Office or Jeff.Balagot@onsemi.com						
PCN Samples Contact:	Contact your local ON Semiconductor Sales Office to place sample order or <PCN.samples@onsemi.com> . Sample requests are to be submitted no later than 45 days after publication of this change notification. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.						
Sample Availability Date:	08 Dec 2020						
PPAP Availability Date:	08 Dec 2020						
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or MohdAzizi.Azman@onsemi.com						
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 12 months prior to implementation of the change or earlier upon customer approval. ON Semiconductor will consider this proposed change and it's conditions acceptable, unless an inquiry is made in writing within 45 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com .						
Change Category							
Category	Type of Change						
Process - Assembly	Change of wire bonding						
Description and Purpose:							
This notice is a re-issuance of FPCN23629Z to revise "Current Material Last Order Date" from 07th Oct 2020 to 31st May 2021 (6-mos from FPCN23629Z Issuance Date).							
FPCN23629Z was initially issued in 12 Nov 2020 with details below on Qualification of SOT223 IC for Wire Material Conversion from 1.5mils Au to 1.5mils PCC Wire:							
	<table border="1"> <thead> <tr> <th></th><th>Before Change Description</th><th>After Change Description</th></tr> </thead> <tbody> <tr> <td>Bond Wire</td><td>B50607A050 (Gold Wire Heraeus)</td><td>N40363E012 (1.5mils Tanaka CLK-1BK PCC Wire)</td></tr> </tbody> </table>		Before Change Description	After Change Description	Bond Wire	B50607A050 (Gold Wire Heraeus)	N40363E012 (1.5mils Tanaka CLK-1BK PCC Wire)
	Before Change Description	After Change Description					
Bond Wire	B50607A050 (Gold Wire Heraeus)	N40363E012 (1.5mils Tanaka CLK-1BK PCC Wire)					
There is no product marking change as a result of this change.							



Reason / Motivation for Change:	Process/Materials Change			
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	<p>The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by ON Semiconductor in relation to the PCN, associated risks are verified and excluded.</p> <p>No anticipated impacts.</p>			
Sites Affected:				
ON Semiconductor Sites			External Foundry/Subcon Sites	
ON Semiconductor Seremban, Malaysia			None	
Marking of Parts/ Traceability of Change:	Date Code Marking			
Reliability Data Summary:				
<p>QV DEVICE NAME : NCV4266-2CST50T3G</p> <p>RMS : S63428</p> <p>PACKAGE : SOT223</p>				
Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/231
HTSL	JESD22-A103	Ta= 150°C	2016 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C, mount on board	500 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/693
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
<p>QV DEVICE NAME : NCV4264-2ST50T3G</p> <p>RMS : S65554</p> <p>PACKAGE : SOT223</p>				
Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/231
HTSL	JESD22-A103	Ta= 150°C	2016 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C, mount on board	500 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/693
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90
<p>NOTE: AEC-1pager is attached.</p> <p>To view attachments:</p> <ol style="list-style-type: none"> 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:**

Electrical characteristics are not impacted.

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**](#).

Current Part Number	New Part Number	Qualification Vehicle
NCV4264-2ST50T3G	NA	NCV4264-2ST50T3G
NCV4264-2ST33T3G	NA	NCV4264-2ST50T3G
NCV8664ST33T3G	NA	NCV4264-2ST50T3G
NCV8664ST50T3G	NA	NCV4264-2ST50T3G
NCV4266ST33T3G	NA	NCV4264-2ST50T3G
NCV4266ST50T3G	NA	NCV4264-2ST50T3G
NCV4274AST33T3G	NA	NCV4264-2ST50T3G
NCV4266-2CST50T3G	NA	NCV4266-2CST50T3G
NCV4266-2CST33T3G	NA	NCV4266-2CST50T3G
NCV4264-2CST33T3G	NA	NCV4266-2CST50T3G
NCV4264-2CST50T3G	NA	NCV4266-2CST50T3G
NCV8664CST33T3G	NA	NCV4266-2CST50T3G
NCV8664CST50T3G	NA	NCV4266-2CST50T3G