



Title of Change:	NCV896530A Metal Mask Revision to Fix VOUT Overshoot Issue
Proposed Changed Material First Ship Date:	13 May 2021 or earlier if approved by customer
Current Material Last Order Date:	01 Jan 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:	12 May 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 Kevin.Mathews@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:	01 May 2020
PPAP Availability Date:	15 Jun 2020
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Peter.Turlo@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
Design	Design Change in Routing
Data Sheet	Correction of data sheet / errata
Process - Assembly	Change of product marking

Description and Purpose:

Metal revision to address known output voltage overshoot issue during soft-start. No effect on device parametric performance.

There are no product material changes as a result of this change.

	From	To
Product marking change	NCV89 6530	NCV89 6530A

Datasheet Updates:

Page 1: Ordering table replaced with note.

Page 4: Added condition to Current Limit (IPK) spec - reflects what we do in final test.

Page 6: Added figure 12 (Current Limit vs. Input Voltage) - shows additional VIN conditions not included in spec item IPK.

Page 8: Added ordering table, added new OPN and part markings.



Reason / Motivation for Change:	Quality improvement	
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	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. No anticipated impacts.	
Sites Affected:		
ON Semiconductor Sites		External Foundry/Subcon Sites
ON Semiconductor Pocatello Idaho, United States		None
Marking of Parts/ Traceability of Change:	Package marking will be updated.	
Reliability Data Summary:		
No reliability testing required for this change. Performed characterization only.		
NOTE: AEC 1 Pager Attached		
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/s		
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
NCV896530MWTXG	NCV896530MWATXG	NCV896530MWTXG



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCV896530MWTXG		NCV896530MWTXG	NCV896530MWATXG	