



Final Product/Process Change Notification  
Document #:FPCN26756X  
Issue Date:07 Oct 2025

<b>Title of Change:</b>	NCP81295MNTXG design re-spin to address yield issue													
<b>Proposed First Ship date:</b>	14 Jan 2026 or earlier if approved by customer													
<b>Contact Information:</b>	Contact your local onsemi Sales Office													
<b>PCN Samples Contact:</b>	<p>Contact your local onsemi Sales Office.</p> <p>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.</p> <p>Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.</p>													
<b>Additional Reliability Data:</b>	N/A													
<b>Type of Notification:</b>	<p>This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.</p> <p>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></p>													
<b>Marking of Parts/ Traceability of Change:</b>	No change in marking. Traceability of change will be determined by lot trace code.													
<b>Change Category:</b>	Wafer Fab Change													
<b>Change Sub-Category(s):</b>	Product specific change													
<b>Sites Affected:</b>														
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>													
onsemi, Gresham United States	None													
<b>Description and Purpose:</b>														
onsemi would like to notify its customers of the of the design re-spin to NCP81295MNTXG which is listed in this notification. The design re-spin was to address the premature over-current-protection event in extreme cases where larger amounts of output capacitance are used in parallel applications.														
This will stabilize our ability to effectively provide products to our customers. The change is listed below.														
<table border="1"><thead><tr><th></th><th><b>Before Change Description</b></th><th><b>After Change Description</b></th></tr></thead><tbody><tr><td><b>Wafer Fab Part</b></td><td>NCP81295A</td><td>NCP81295B_RevA</td></tr><tr><td><b>Design Enhancement</b></td><td>NA</td><td>Added comparator for VLIM=25mV (ILIM=1.25A) @Vout&lt;100mV</td></tr></tbody></table>				<b>Before Change Description</b>	<b>After Change Description</b>	<b>Wafer Fab Part</b>	NCP81295A	NCP81295B_RevA	<b>Design Enhancement</b>	NA	Added comparator for VLIM=25mV (ILIM=1.25A) @Vout<100mV			
	<b>Before Change Description</b>	<b>After Change Description</b>												
<b>Wafer Fab Part</b>	NCP81295A	NCP81295B_RevA												
<b>Design Enhancement</b>	NA	Added comparator for VLIM=25mV (ILIM=1.25A) @Vout<100mV												
There is no change to the orderable part number.														
There is no product marking change as a result of this change.														
<b>Electrical Characteristics Summary:</b>														
<table border="1"><thead><tr><th><b>Qualification Item</b></th><th><b>Accept Criteria</b></th><th><b>Results</b></th></tr></thead><tbody><tr><td>Final Test Yield</td><td>&gt; Production Yield Criteria</td><td>Passed</td></tr><tr><td>Cpk</td><td>≥ 1.67</td><td>Passed</td></tr><tr><td>Electrical QA</td><td>100%</td><td>Passed</td></tr></tbody></table>			<b>Qualification Item</b>	<b>Accept Criteria</b>	<b>Results</b>	Final Test Yield	> Production Yield Criteria	Passed	Cpk	≥ 1.67	Passed	Electrical QA	100%	Passed
<b>Qualification Item</b>	<b>Accept Criteria</b>	<b>Results</b>												
Final Test Yield	> Production Yield Criteria	Passed												
Cpk	≥ 1.67	Passed												
Electrical QA	100%	Passed												



Final Product/Process Change Notification  
Document #:FPCN26756X  
Issue Date:07 Oct 2025

**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
NCP81295MNTXG	#NA