

Final Product/Process Change Notification Document #: FPCN22535Y

Issue Date: 19 December 2018

Title of Chauses	Bump Location C	hange from Amker TE to ASEVU		1		
Title of Change:		Bump Location Change from Amkor T5 to ASEKH.				
Proposed first ship date	: 26 March 2019	26 March 2019				
Contact information:	Contact your loca	Contact your local ON Semiconductor Sales Office or < ben.widsten@onsemi.com >				
Samples:	Sample requests	Contact your local ON Semiconductor Sales Office or < ben.widsten@onsemi.com > 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.				
Additional Reliability Da	ta: Contact your loca	Contact your local ON Semiconductor Sales Office or <pre>paul.syndergaard@onsemi.com</pre>				
Type of notification:	implementation ON Semiconduct	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor 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>				
Change Part Identificati	on: Beginning with d	Beginning with date code 1850 (parts marked with date code K50)				
Change Category:	☐ Wafer Fab C	☐ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☐ Other <u>Wafer Bump</u>				
Change Sub-Category(s):			Datasheet/Product Doc change Shipping/Packaging/Marking Other: External Foundry/Subcon Sites: Amkor Taiwan T5 ASEKH			
Description and Purpose:						
We have changed the bump location from Amkor T5 to ASEKH.						
The bump composition is also changing from SnAg (Ag = 2.3%) (old site) to SnAg (Ag = 1.8%) (new site)						
		Before Change Description	After Change Description			
	Bump location	Amkor T5	ASEKH			
	Bump composition	SnAg (Ag = 2.3%)	SnAg (Ag = 1.8%)			

Reliability Data Summary:

Test	Specification	Condition	Interval	Results
TC +PC	JESD22-A104	Ta= -55°C to + 125°C	500 cyc	0/135
HAST +PC	JESD22-A110	110°C, 85% RH, 18.8psig, bias	264 hrs	0/120
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C		0/360
SBS	AEC Q100-010			0/30

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Electrical Characteristic Summary: Electrical characteristics are not impacted.					
List of Affected Parts:					
Part Number	Qualification Vehicle				
NCH-RSL10-101WC51-ABG	MD DCI 10 404WCF1 AAC				
PSWBC001A1C	MD-RSL10-101WC51-AAG				

NOTE:

Please be informed that there are Customer Specific parts impacted by this notice, thus MPN & CPN info will not be reflected in the parts list of this Generic document. Instead please click the link to the addendum copy provided in the email notification to see full list of a ffected products specific to your company.

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