



<b>Title of Change:</b>	E7100 Bump Location Change from Amkor T5 to Amkor T1.			
<b>Proposed first ship date:</b>	28 September 2018			
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or <Christophe.WAELCHLI@onsemi.com>			
<b>Samples:</b>	Contact your local ON Semiconductor Sales Office or <Shairoz.Rattansi@onsemi.com>			
<b>Additional Reliability Data:</b>	Contact your local ON Semiconductor Sales Office or <Paul.Syndergaard@onsemi.com>			
<b>Type of notification:</b>	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>.			
<b>Change Part Identification:</b>	Lots PF3V6200U* or PF3V6200V* with date code 1744. Lots PF3V6200W* with date code 1745 All other lots with date code > 1827			
<b>Change category:</b>	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>Wafer Bump</u>			
<b>Change Sub-Category(s):</b>	<input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____			
<b>Sites Affected:</b>	ON Semiconductor Sites: None	External Foundry/Subcon Sites: Amkor Bump House		
<b>Description and Purpose:</b>				
	<b>Before Change Description</b>	<b>After Change Description</b>		
Bump location	Bump done in Amkor T5	Bump done in Amkor T1		
<p>Amkor is consolidating the 12 inch bump manufacturing in one location: T1 that has room for expansion. All equipment is moved from T5 to T1 and the same procedures are used in T1 as are in T5.</p>				
<b>Reliability Data Summary:</b>				
<p><b>QV DEVICE NAME: E7100-A102A19-AG / 0W667-003</b>  <b>PACKAGE: WLCSP</b></p>				
<b>Test</b>	<b>Specification</b>	<b>Condition</b>	<b>Interval</b>	<b>Results</b>
TC+PC	JESD22-A104	Ta= -55°C to +125°C	500 cyc	0/180
uHAST+PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/180
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		
<b>Conclusion: the qualification passed.</b>				
<b>Electrical Characteristic Summary:</b>				
Electrical characteristics are not impacted.				



List of Affected Parts:

Part Number	Qualification Vehicle
E7100-102WC66-AG	E7111-0-102A19-AG E7100-102WC66-AG
E7100-102WC66-BG	
E7110-102A33-AG	
E7110-102A33-BPG	
E7110-4-102A33-AG	
E7110-4-102A33-BPG	
E7111-0-102A19-AG	
E7111-0-102A19-BPG	
E7120-102A59-AG	
E7120-102A59-BPG	
E7150-102A49-AG	
E7150-102A49-BPG	



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## Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle
E7110-102A33-AG		0W667-003-BMP
E7110-4-102A33-AG		0W667-003-BMP
E7111-0-102A19-AG		0W667-003-BMP
E7150-102A49-AG		0W667-003-BMP