



<b>Title of Change:</b>	Ezairo 7110 hybrid: substrate modification.	
<b>Proposed first ship date:</b>	1 March 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	
<b>Additional Reliability Data:</b>	Contact your local ON Semiconductor Sales Office or <christophe.waelchli@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>	A new OPN will be E7110-4-102A33-AG (old version: E7110-102A33-AG) A new marking diagram will be E7110-4 (old version: E7110-102) A new identification tag will be 00A4 (old version: 00A3) An updated datasheet will be available. The only changes in the datasheet are about the OPN, the marking diagram and the hybrid ID. Electrical specifications are not changed.	
<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>Substrate modification</u>	
<b>Change Sub-Category(s):</b>	<input 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 checked="" type="checkbox"/> Other: : Substrate modification	
<b>Sites Affected:</b>	ON Semiconductor Sites: ON Burlington, Canada	External Foundry/Subcon Sites: None
<b>Description and Purpose:</b>		
<p>In very specific circumstances, we have detected audio artifacts on the audio analog inputs when we write into the EEPROM (data logging) on the Ezairo 7110. This only happens with very high inputs gains: 36 dB preamp gain and 18 dB ADC gain (digital gain) =&gt; 54 dB input gain. When the preamp gain is reduced to 24 dB, we no longer experience artifacts (still with the 18 dB of digital gain).</p> <p>We are fixing this by slightly redesigning one substrate of the Ezairo 7110 hybrid to better shield the input audio paths from the EEPROM.</p>		
<b>Electrical Characteristic Summary:</b>		
Electrical characteristics are not impacted.		
<b>List of Affected Parts:</b>		
<b>Part Number</b>		<b>Qualification Vehicle</b>
E7110-102A33-AG		E7110-102A33-AG
E7110-102A33-BPG		



---

## Appendix A: Changed Products

---

D

---

Product	Customer Part Number	Qualification Vehicle
E7110-102A33-AG		E7110-102A33-AG