





<b>Title of Change:</b>	Change black packing reel with better ESD properties for BSI devices in ASEM.
<b>Proposed Changed Material First Ship Date:</b>	25 July 2020
<b>Current Material Last Order Date:</b>	29 February 2020 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.
<b>Current Material Last Delivery Date:</b>	31 May 2020 The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory.
<b>Product Category:</b>	Active components – Integrated circuits
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or < <a href="mailto:sophia.kuo@onsemi.com">sophia.kuo@onsemi.com</a> >
<b>Samples:</b>	Contact your local ON Semiconductor Sales Office to place sample order or < <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a> > Sample requests are to be submitted no later than 45 days after publication of this change notification.
<b>Sample Availability Date:</b>	30 June 2019 Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.
<b>PPAP Availability Date:</b>	31 July 2019
<b>Additional Reliability Data:</b>	Not applicable. Reliability performance is not impacted.
<b>Type of Notification:</b>	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 its conditions acceptable, unless an inquiry is made in writing within 45 days of delivery of this notice. To do so, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> .
<b>Change Category</b>	<b>Type of Change</b>
Packing/Shipping	Change of carrier (tray, reel)

**Description and Purpose:**

	Before Change Description	After Change Description
<b>Other Changes</b>	White color packing reel	Black color packing reel

Supplier		ADVANTEK	
Device Name		RD3308RB(Current mass production)	RD3308DBK(Black)
How to ESD Performance		Coating	Doping
ESD Level	Surface Resistivity(ohms/sq)_Specification	$\geq 10^5, \leq 10^{11}$	$\geq 10^5, \leq 10^9$
	Surface Resistivity(ohms/sq)_Real Measurement		1.93E+07
Appearance			


**Better**
**Note:** change packing reel with dissipative ESD properties for better protection from external charging impact



<b>Reason / Motivation for Change:</b>	<ul style="list-style-type: none"> <li>- Change benefits for customer: better and robust ESD property</li> <li>- Risk for late release for customer: ESD performance might be erase if customer cleans packing reel with chemical solvent.</li> <li>- Quality improvement (Yes/No) - Yes, to have robust ESD protection from external charging.</li> </ul>	
<b>Anticipated impact on fit, form, function, reliability, product safety or manufacturability</b>	<p>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.</p> <p>No anticipated impacts.</p>	
<b>Sites Affected:</b>	ON Semiconductor Sites: None	External Foundry/Subcon Sites: ASE Malaysia
<b>Marking of Parts/ Traceability of Change:</b>	Affected products will be identified with date code 3520	
<b>Reliability Data Summary:</b>  Not applicable. Reliability performance is not impacted.		
<b>Electrical Characteristics Summary:</b>  Electrical characteristics are not impacted.		
<b>List of Affected Parts:</b>  <b>Note:</b> 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 <u><b>PCN Customized Portal</b></u> .		
<b>Current Part Number</b>		<b>Qualification Vehicle</b>
AR0231AT7B00XUEA0-TPBR		AR0143ATSC00XUEA0-TPBR
AR0231AT7C00XUEA0-TPBR		
AR0143ATSC00XUEA0-TPBR		
AR0143ATSC00XUEA0-TRBR		
AR0143ATSC00XUEA0-VL-TPBR		