



# Initial Product/Process Change Notification

Document #: IPCN25057X

Issue Date: 17 May 2023

<b>Title of Change:</b>	Qualify 2nd source glass supplier PTOT at ASEM.	
<b>Proposed First Ship date:</b>	01 Mar 2024 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Mike.Webster@onsemi.com">Mike.Webster@onsemi.com</a>	
<b>PCN Samples Contact:</b>	Contact your local onsemi Sales Office. 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. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
<b>Type of Notification:</b>	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact < <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> >	
<b>Marking of Parts/ Traceability of Change:</b>	Date Code	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Material Change	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
None	ASEM, Malaysia	
<b>Description and Purpose:</b>		
ASEM is one of onsemi Assembly subcons. Currently, ASEM has a single supplier of cover glass.		
Purpose of change is to qualify 2 <sup>nd</sup> source supplier to mitigate risk of shortage of material.		
The 2 <sup>nd</sup> source supplier uses the same base glass material Schott D263T eco.		
	<b>From</b>	<b>To</b>
<b>Assembly – Glass Supplier</b>	Crystal-Optech (CO) BBAR & Pure glass (Base glass material Schott D263T eco)	Crystal-Optech (CO) BBAR & Pure glass (Base glass material Schott D263T eco) & PTOT BBAR & Pure glass (Base glass material Schott D263T eco) as 2 <sup>nd</sup> source
There is no product marking change as a result of this change.		



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## Qualification Plan:

QV DEVICE NAME: AR0132AT, AR0140

PACKAGE: iBGA, iEBGA

Test	Specification	Condition	Interval
HTSL	JESD22-A103	Ta= 150 °C	504 hrs
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C	
TC	JESD22-A104	Ta= -55°C to +125°C	1000 cyc
uHAST	JESD22-A118	uHAST-A: 130°C/85% RH, unbiased 96hrs or uHAST-B: 110°C/85% RH, unbiased 264hrs	96 hrs uHAST-A or 264hrs uHAST-B
WBS	AEC Q100-001	Wire Bond Shear: Cpk > 1.67	
WBP	Mil-Std-883 Meth 2011	Wire Bond Pull: Cpk > 1.67	
CHAR	AEC Q003	Characterization	

## 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
AR0230CSSC12SUEA0-DR	AR0140CS2C00SUEA0-DRBR
AR0230CSSC00SUEA0-DRBR	AR0140CS2C00SUEA0-DRBR
AR0135CS2C19SUEA0-DRBR	AR0140CS2C00SUEA0-DRBR
AR0135CS2M25SUEA0-TPBR	AR0140CS2C00SUEA0-DRBR
AR0141CSSM21SUEA0-TPBR	AR0140CS2C00SUEA0-DRBR
AR0141CS2M00SUEA0-TPBR	AR0140CS2C00SUEA0-DRBR
AR0141CS2M00SUEA0-DPBR	AR0140CS2C00SUEA0-DRBR
AR0140CS2C00SUEA0-DRBR	AR0140CS2C00SUEA0-DRBR
AR0130CSSC00SPCA0-DPBR	AR0140CS2C00SUEA0-DRBR
MT9P006I12STCU-DR	AR0140CS2C00SUEA0-DRBR
MT9P006I12STCU-DP	AR0140CS2C00SUEA0-DRBR