



Final Product/Process Change Notification

Document #:FPCN26156XA

Issue Date:16 Mar 2025

Title of Change:	Qualification of onsemi CZ4 Czech Republic as Additional Wafer Fab for HDG4D technology.	
Proposed First Ship date:	23 Jun 2025 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office.	
PCN Samples Contact:	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.	
Additional Reliability Data:	Contact your local onsemi Sales Office.	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi 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	
Marking of Parts/ Traceability of Change:	Material will be traceable with onsemi lot trace code and date code	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Roznov, Czech Republic	None	
Description and Purpose:		
<p>This FPCN is to notify customers of the qualification of HDG4D technology at onsemi CZ4 Roznov, Czech Republic wafer fab, to enable expanded capacity for this technology.</p> <p>Upon the expiration of this notification, all products listed here will be sourced from either onsemi BK6, Bucheon, Korea, Diode, Maine, USA or onsemi CZ4, Roznov wafer fab.</p>		
	From	To
Fab Site (HDG4D technology)	onsemi BK6, Bucheon, Korea Diodes, Maine, USA	onsemi BK6, Bucheon, Korea Diodes, Maine, USA onsemi CZ4, Roznov, Czech Republic
Backgrind Location	onsemi BK6, Bucheon, Korea Diodes, Maine, USA	onsemi BK6, Bucheon, Korea Diodes, Maine, USA onsemi CZ4, Roznov, Czech Republic
<p>There is no product material changes because of this change.</p> <p>There is no product marking change because of this change.</p>		



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Reliability Data Summary:

QV DEVICE NAME: FAN7380MX

RMS: O87670

PACKAGE: SOIC8N

Test	Specification	Condition	Interval	Results
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, uHAST, HAST for surface mount pkgs only		0/693
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, biased	96 hours	0/231
High Temperature Operating Life	JESD22-A108	Ta=125°C, 100% max rated Vcc	1008 hours	0/231
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hours	0/231
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	500 cycles	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	Ta=130°C, 85% RH, 18.8psig, unbiased	96 hours	0/231

QV DEVICE NAME FAD6263M1X

RMS O100378

PACKAGE: SOIC16

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231
Early Life Failure Rate	JESD22-A108	Ta=125°C, 100 % max rated Vcc	48 hrs	0/2400
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, THB for surface mount pkgs only		0/693
Temperature Cycling	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/231
Temperature Humidity Bias	JESD22-A101	85°C, 85% RH, 18.8psig, bias	1008 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231



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Electrical Characteristics Summary:

Electrical characteristics are not impacted.

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
FAN73901MX	FAN7380MX, FAD6263M1X
FAN7390MX	FAN7380MX, FAD6263M1X
FAN73933MX	FAN7380MX, FAD6263M1X
FAN7393AMX	FAN7380MX, FAD6263M1X
FAN7391MX	FAN7380MX, FAD6263M1X