# onsemi

Initial Product/Process Change Notification Document #:IPCN26815X Issue Date:11 Apr 2025

Title of Change:	Wafer plating site transfer from PacTech US to PacTech Malaysia	
Proposed First Ship date:	31 Jul 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.	
Type of Notification:	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 < <u>PCN.Support@onsemi.com</u> >	
Marking of Parts/ Traceability of Change:	Changed material can be identified by date code or lot code	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Site Transfer	
Sites Affected:		
onsemi Sites		External Foundry/Subcon Sites
None		Pactech, Asia
Description and Purpose: onsemi would like to notify customers of a change in wafer plating location for the devices listed in this notification. The products in this notification are currently receiving wafer plating at the PacTech site in the United States. Since the process will be terminated at that location mid-2025, all products will be moved to the PacTech site in Malaysia.		

There is no product material change, no product marking change. No change in form, fit, function, or performance is expected.

Wafer plating - Site Change PacTech, US	PacTech, Malaysia



**Qualification Plan:** 

#### QV DEVICE NAME: UG3SC120009K4S PACKAGE : Gen 3 TO-247 parts

Test	Specification	Condition	Interval
H3TRB	JESD22-A101	Temp = 85C, RH=85%, bias = 80% of rated V or 100V max	1008 h
Temp Cycling	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cycles
Autoclave	JESD22-A102	121°C/100% RH/15 PSIG for 96 hrs	96 h
IOL	MIL STD750, M 1037 AEC Q101	Ta=+25°C, deltaTj=125°C max, 5 min = Ton=Toff (pkg dependent)	3000 cycles
Resistance to Solder Heat	JESD22-B106	Ta=268°C 10 sec dwell	
Solderability	J STD 002	Ta=245C 5 sec dwell	

## QV DEVICE NAME: UF3SC120040B7S PACKAGE : TO-263-7L parts, and E1B Modules

Test	Specification	Condition	Interval
MSL Preconditioning	J STD 020 , JESD22- A113	MSL Conditions and IR reflow at 260C	
H3TRB	JESD22-A101	Temp = 85C, RH=85%, bias = 80% of rated V or 100V max	1008 h
Temp Cycling	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cycles
Autoclave	JESD22-A102	121°C/100% RH/15 PSIG for 96 hrs	96 h
IOL	MIL STD750, M 1037 AEC Q101	Ta=+25°C, deltaTj=125°C max, 5 min = Ton=Toff (pkg dependent)	3000 cycles
Resistance to Solder Heat	JESD22-B106	Ta=268°C 10 sec dwell	
Solderability	J STD 002	Ta=245C 5 sec dwell	



#### QV DEVICE NAME: UG4SC120009K4S PACKAGE : Gen 4 TO-247 parts

Test	Specification	Condition	Interval
H3TRB	JESD22-A101	Temp = 85C, RH=85%, bias = 80% of rated V or 100V max	1008 h
Temp Cycling	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	1000 cycles
Autoclave	JESD22-A102	121°C/100% RH/15 PSIG for 96 hrs	96 h
IOL	MIL STD750, M 1037 AEC Q101	Ta=+25°C, deltaTj=125°C max, 5 min = Ton=Toff (pkg dependent)	3000 cycles
Resistance to Solder Heat	JESD22-B106	Ta=268°C 10 sec dwell	
Solderability	J STD 002	Ta=245C 5 sec dwell	

Estimated date for qualification completion: 30 April 2025

## 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
UCSDG130SC12M88C3N	NA
UFB25SC12E1BC3N	UF3SC120040B7S
UG4SC120002SNS	UF3SC120040B7S
UHB100SC12E1BC3N	UF3SC120040B7S
UHB50SC12E1BC3N	UF3SC120040B7S
UJ4SC075005L8S	UF3SC120040B7S , UG4SC120009K4SH
UJ4SC075006K4S-D	UG4SC120009K4SH
UJ4SC075008L8S	UG4SC120009K4SH, UF3SC120040B7S
UJ4SC075010L8S	UG4SC120009K4SH, UF3SC120040B7S
UJ4SC075018L8S	UG4SC120009K4SH, UF3SC120040B7S