



Final Product/Process Change Notification

Document #: FPCN24655X

Issue Date: 24 Nov 2022

Title of Change:	Additional Assembly Site - Dual Source at UTAC 3, Thailand Site.			
Proposed First Ship date:	03 Apr 2023 or earlier if approved by customer			
Contact Information:	Contact your local onsemi Sales Office or Naruedol.Srisamran@onsemi.com			
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 or Shiela.Crosby@onsemi.com			
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:	Identify by Date or Lot code			
Change Category:	Assembly Change			
Change Sub-Category(s):	Manufacturing Site Addition			
Sites Affected:				
onsemi Sites		External Foundry/Subcon Sites		
None		UTAC, Thailand		
Description and Purpose:				
There is no BOM changes other than adding UTL 3 as additional site to assembly.				
		From	To	
Assembly Site		UTL 1	UTL 1 and UTL 3	
There is no product marking change as a result of this change.				
Reliability Data Summary:				
QV DEVICE NAME NLVPCA9535EMTTXG				
RMS: 82301				
PACKAGE: WQFN24				
Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/231
ELFR	AEC-Q100-008	Ta= 125°C	48 hrs	0/2400
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		0/693
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
SD	JSTD002	Ta = 245°C, 5 sec		0/45
PD	JESD22 B100,B108	Critical Cpk>1.67		0/30



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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
PCA9535EMTTXG	NLVPCA9535EMTTXG
PCA9535ECMTTXG	NLVPCA9535EMTTXG
PCA9655EMTTXG	NLVPCA9535EMTTXG

Appendix A: Changed Products**PCN#: FPCN24655X**
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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
PCA9535EMTTXG		NLVPCA9535EMTTXG	NA	
PCA9655EMTTXG		NLVPCA9535EMTTXG	NA	
PCA9535ECMTTXG		NLVPCA9535EMTTXG	NA	