



Final Product/Process Change Notification

Document #:FPCN24488X

Issue Date:25 Jan 2022

Title of Change:	UTAC Thai Limited Assembly site expansion xDFN-xQFN non-automotive	
Proposed First Ship date:	02 May 2022 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:	No change on marking. Traceability will be maintained by manufacturing lot number	
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:		
Add UTAC Thailand Bangsamak site as alternative assembly site by apply same machine model and same material		
	Before Change Description	After Change Description
Assembly Site	UTAC Thailand Bangkok site	UTAC Thailand Bangkok site and UTAC Thailand Bangsamak site
Materials shipped after PCN effectivity may be sourced from either qualified locations and will be identified by product date code and package labelling. Traceability will be maintained by manufacturing lot number		
There are no product material changes as a result of this change		
There is no product marking change as a result of this change		



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Reliability Data Summary:

QV DEVICE NAME: 21655-002

RMS: 043917

PACKAGE: QFN

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=150°C, 100 % max rated Vcc	1008 hrs	0/231
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
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
PC	J-STD-020, JESD-A113	MSL 3 @ 260 °C		0/693
SD	JSTD002	Ta = 245C, 5 sec		0/ 45
PD	JESD22 B100,B108	Critical Cpk>1.67		0/30
WBP	Mil-Std-883 Meth 2011	Cpk>1.67		pass
WBS	AEC-Q100-001	Cpk >1.67		pass

QV DEVICE NAME: 21980-004

RMS: 042539

PACKAGE: QFN

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020, JESD-A113	MSL 1 @ 260 °C		0/462
SD	JSTD002	Ta = 245C, 5 sec		0/ 45
PD	JESD22 B100,B108	Critical Cpk>1.67		0/30
WBP	Mil-Std-883 Meth 2011	Cpk>1.67		pass
WBS	AEC-Q100-001	Cpk >1.67		pass



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QV DEVICE NAME: NB3V60113GV2MTR2G

RMS: S52001

PACKAGE: WDFN

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020, JESD-A113	MSL 1 @ 260 °C		0/462
SD	JSTD002	Ta = 245C, 5 sec		0/ 45
PD	JESD22 B100,B108	Critical Cpk>1.67		0/30
WBP	Mil-Std-883 Meth 2011	Cpk>1.67		pass
WBS	AEC-Q100-001	Cpk >1.67		pass

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
NCP59800BMNADJTAG	21655-002
NCP59800BMNADJTBG	21655-002
FSUSB73UMX	NB3V60113GV2MTR2G
FSUSB74UMX	NB3V60113GV2MTR2G
FSA221UMX	NB3V60113GV2MTR2G
FSA2268UMX	NB3V60113GV2MTR2G
FXLA0104QFX	NB3V60113GV2MTR2G
FSA2269UMX	NB3V60113GV2MTR2G
FXL6408UMX	NB3V60113GV2MTR2G
FSA2567UMX	NB3V60113GV2MTR2G
FXLA0104QFX-F106	NB3V60113GV2MTR2G
FSA266L8X	NB3V60113GV2MTR2G
NC7WZ86L8X	NB3V60113GV2MTR2G
FSA8008AUMX	NB3V60113GV2MTR2G



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FSA9280AUMX	NB3V60113GV2MTR2G
FSA2269TSUMX	NB3V60113GV2MTR2G
FSUSB30UMX	NB3V60113GV2MTR2G
FSUSB42UMX	NB3V60113GV2MTR2G
FAN8811TMPX	21980-004
FAN8811MNTXG	21980-004
NCP51705MNTXG	21980-004
FSA832L10X	NB3V60113GV2MTR2G
FXLA108BQX	NB3V60113GV2MTR2G
FSA831AL10X	NB3V60113GV2MTR2G
FSA3000L10X-F131	NB3V60113GV2MTR2G
FSUSB45UMX	NB3V60113GV2MTR2G
FSA2259UMX	NB3V60113GV2MTR2G

Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCP59800BMNADJTAG		21655-002		
FSUSB73UMX		NB3V60113GV2MTR2G		
FSUSB74UMX		NB3V60113GV2MTR2G		
FSA2268UMX		NB3V60113GV2MTR2G		
FXLA0104QFX		NB3V60113GV2MTR2G		
FSA2269UMX		NB3V60113GV2MTR2G		
FXL6408UMX		NB3V60113GV2MTR2G		
FSA2567UMX		NB3V60113GV2MTR2G		
FXLA0104QFX-F106		NB3V60113GV2MTR2G		
FSA266L8X		NB3V60113GV2MTR2G		
NC7WZ86L8X		NB3V60113GV2MTR2G		
FSA8008AUMX		NB3V60113GV2MTR2G		
FSA2269TSUMX		NB3V60113GV2MTR2G		
FSUSB30UMX		NB3V60113GV2MTR2G		
FSUSB42UMX		NB3V60113GV2MTR2G		
FAN8811TMPX		21980-004		
FAN8811MNTXG		21980-004		
NCP51705MNTXG		21980-004		
FSA832L10X		NB3V60113GV2MTR2G		
FXLA108BQX		NB3V60113GV2MTR2G		
NCP59800BMNADJTBG		21655-002		
FSA2259UMX		NB3V60113GV2MTR2G		