



## Final Product/Process Change Notification

Document #:FPCN24704XA

Issue Date:28 Jul 2022

<b>Title of Change:</b>	UTAC Thai Limited Assembly site expansion for non-Automotive.	
<b>Proposed First Ship date:</b>	02 Nov 2022 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Peter.Vo@onsemi.com">Peter.Vo@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>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Shiela.Crosby@onsemi.com">Shiela.Crosby@onsemi.com</a>	
<b>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>	
<b>Marking of Parts/ Traceability of Change:</b>	No change on marking. Traceability will be maintained by manufacturing lot number	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
None	UTAC, Thailand	
<b>Description and Purpose:</b>		
Add UTAC Thailand Bangsamak site as alternative assembly site by applying same machine model and same material.		
There are no product material changes as a result of this change. There is no product marking change as a result of this change.		
	<b>Before Change Description</b>	<b>After Change Description</b>
Assembly Site	UTAC Thailand Bangkok site (Site1)	UTAC Thailand Bangkok site (site1) and UTAC Thailand Bangsamak site (Site3)



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### Reliability Data Summary:

QV DEVICE NAME: FD3501MNTXG

RMS: 82451

PACKAGE: QFN-40

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/80
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/80
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/80
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/80
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/80
PC	J-STD-020, JESD-A113	MSL 1 @ 260 °C		0/240
SD	JSTD002	Ta = 245C, 5 sec		0/15
PD	JESD22 B100,B108	Critical Cpk>1.67		PASS
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
FD5003MNTXG	FD3501MNTXG
FD5001MNTXG	FD3501MNTXG
FD3501MNTXG	FD3501MNTXG