



Initial Product/Process Change Notification

Document #: IPCN24704XA

Issue Date: 29 Jun 2022

Title of Change:	UTAC Thai Limited Assembly site expansion for non-Automotive.	
Proposed First Ship date:	05 Nov 2022 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Peter.Vo@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.	
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 < 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 an alternative assembly site by applying same machine model and same material.		
There are no product material changes as a result of this change.		
	Before Change Description	After Change Description
Assembly Site	UTAC Thailand Bangkok site (Site1)	UTAC Thailand Bangkok site (site1) and UTAC Thailand Bangsamak site (Site3)



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Qualification Plan:

QV DEVICE NAME: FD3501MNTXG

RMS: 82451

PACKAGE: QFN-40

Test	Specification	Condition	Interval
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs
HTSL	JESD22-A103	Ta= 150°C	1008 hrs
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020, JESD-A113	MSL 1 @ 260 °C	
SD	JSTD002	Ta = 245C, 5 sec	
PD	JESD22 B100,B108	Critical Cpk>1.67	
WBP	Mil-Std-883 Meth 2011	Cpk>1.67	
WBS	AEC-Q100-001	Cpk >1.67	

Estimated date for qualification completion: 30 June 2022

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
FD3501MNTXG	FD3501MNTXG