



# Initial Product/Process Change Notification

Document #: IPCN24455X

Issue Date: 28 Jan 2022

<b>Title of Change:</b>	Qualification of 2nd lead frame supplier for MSOP8 at UTAC Thai Limited, Thailand	
<b>Proposed First Ship date:</b>	04 Jun 2022 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Wirasa.Nontharith@onsemi.com">Wirasa.Nontharith@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>Type of Notification:</b>	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 < <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> >	
<b>Marking of Parts/ Traceability of Change:</b>	Affected parts will be identified by the date code.	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Material Change	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
None	UTAC, Thailand	
<b>Description and Purpose:</b>		
This Initial Change Notification announces Qualification of second lead frame supplier, HDS, at UTAC Thai Limited, Thailand. This will allow more flexibility on lead frame management and prevent lead frame shortage issues.		
	<b>Before Change Description</b>	<b>After Change Description</b>
LeadFrame	LF PPF	LF PPF and PPF+ RT -UPG
There is no change in form, fit and function.		



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## Qualification Plan:

**QV DEVICE NAME: CAT5140ZI-50-GT3**

**RMS: RRF number 80813**

**PACKAGE: MSOP-8**

Test	Specification	Condition	Interval
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	

Estimated date for qualification completion: 4 April 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
CAT5140ZI-50-GT3	CAT5140ZI-50-GT3
CAT5115ZI-10-GT3	CAT5140ZI-50-GT3

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**Appendix A: Changed Products**

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
CAT5140ZI-50-GT3		CAT5140ZI-50-GT3	NA	