



Final Product/Process Change Notification

Document #:FPCN24638XA

Issue Date:29 Sep 2022

Title of Change:	Lead frame supplier change from CWTC Japan to HDS												
Proposed First Ship date:	05 Jan 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 the marking												
Change Category:	Assembly Change												
Change Sub-Category(s):	Material Change												
Sites Affected:													
onsemi Sites	External Foundry/Subcon Sites												
None	UTAC, Thailand												
Description and Purpose:													
onsemi would like to notify its customers of the qualification for Leadframe supplier change from in UTAC, Thailand including change in plating due to current Leadframe supplier discontinuity. No change in Leadframe dimension and case outline.													
	<table border="1"><thead><tr><th></th><th>From</th><th>To</th></tr></thead><tbody><tr><td>Leadframe supplier</td><td>CWTC Japan</td><td>HDS</td></tr><tr><td>Leadframe plating type</td><td>Selective PPF</td><td>Full PPF</td></tr><tr><td>LeadFrame plating thickness</td><td>Ni: 20 – 80 microinch Pd: 0.4 – 0.6 microinch Au Min 0.12 microinch</td><td>Ni: 10 – 50 microinch Pd: 0.2 – 0.8 microinch Au Min 0.4 microinch</td></tr></tbody></table>		From	To	Leadframe supplier	CWTC Japan	HDS	Leadframe plating type	Selective PPF	Full PPF	LeadFrame plating thickness	Ni: 20 – 80 microinch Pd: 0.4 – 0.6 microinch Au Min 0.12 microinch	Ni: 10 – 50 microinch Pd: 0.2 – 0.8 microinch Au Min 0.4 microinch
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There is no product marking change as a result of this change.													



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Reliability Data Summary:

QV DEVICE NAME : CAT3604AHV4-T2, CAT4016HV6-GT2

PACKAGE: WQFN

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST for surface mount pkgs only		0/462
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
SD	JSTD002	Ta = 245°C, 5 sec		0/45
PD	JESD22 B100,B108			0/90

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
CAT4106HV4-GT2	CAT3604AHV4-T2
CAT3626HV4-GT2	CAT3604AHV4-T2
CAT3604AHV4-T2	CAT3604AHV4-T2
CAT4016HV6-GT2	CAT3604AHV4-T2
CAT9532HV6I-GT2	CAT3604AHV4-T2