



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.

	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

There is no product marking change as a result of this change.



Final Product/Process Change Notification

Document #:FPCN24638XA

Issue Date:29 Sep 2022

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

Appendix A: Changed Products**PCN#: FPCN24638XA**
Issue Date: Sep 29, 2022

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
CAT4106HV4-GT2		CAT3604AHV4-T2		
CAT3604AHV4-T2		CAT3604AHV4-T2		
CAT4016HV6-GT2		CAT3604AHV4-T2		
CAT9532HV6I-GT2		CAT3604AHV4-T2		
CAT3626HV4-GT2		CAT3604AHV4-T2		