



Final Product/Process Change Notification

Document #: FPCN23668XB

Issue Date: 26 Dec 2022

Title of Change:	JCET 6" Wafer Bumping Site, and Polyimide Change [Batch 2].	
Proposed First Ship date:	02 Apr 2023 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or NoorArdila.Shaharuddin@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 Nicky.Siu@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:	Affected parts with this change will be identified by date code.	
Change Category:	Assembly Change	
Change Sub-Category(s):	Manufacturing Site Transfer	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	JCET, China	
Description and Purpose:		
This is the final notification of the new bump site qualification in JCET (formerly known as JCAP) of the CMF dies. The details of the changes are outlined in the tables below.		
	From	To
Bumping Site	6" wafers are processed at site B1 No.275 Binjiang Road, Jiangyin, Jiangsu, China, 214432	6" wafers are processed at site B2 No.78 Changshan Road, Jiangyin, Jiangsu, China, 214433
Datasheet specifications and product electrical performance remain unchanged.		
Affected parts with this change will be identified by date code.		



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Reliability Data Summary:

QV DEVICE NAME : CM1230-08CP

RMS : S74556

PACKAGE : WLCSP-10, 2.46x0.96mm

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 150°C, 100% max rated V	1008 hrs	0/77
TC	JESD22-A104	Ta = -40°C to +125°C	1700 cycs	0/77
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/77
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/77
PC	J-STD-020, JESD22-A113	3x reflow only (WLCSP)	-	-

QV DEVICE NAME : CM1402-03CP

RMS : S84874

PACKAGE : WLCSP-10, 1.96x1.33mm

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta = 150°C, 100% max rated V	1008 hrs	0/154
TC	JESD22-A104	Ta = -40°C to +125°C	1700 cycs	0/154
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/154
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/154
PC	J-STD-020, JESD22-A113	3x reflow only (WLCSP)	-	-

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
CM1402-03CP	CM1402-03CP
CM1230-J2CP	CM1230-08CP
CM1230-08CP	CM1230-08CP
CM1230-02CP	CM1230-08CP

Appendix A: Changed Products

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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
CM1402-03CP		CM1402-03CP	NA	
CM1230-J2CP		CM1230-08CP	NA	
CM1230-08CP		CM1230-08CP	NA	
CM1230-02CP		CM1230-08CP	NA	