

## Product/Process Change Notification- PCN

Reference: PCN2022\_1024

UMC BEOL Improvement\_Trinity (D2284)



Issue Date: 22-May-23

### 1. Change Category

PCN category: Minor Change (customer information)

### 2. Contact

Customer Name: Various Customers

Customer Contact:

Renesas Contact: Thanh Nguyen

(Phone, e-mail) thanh.nguyen.kx@renesas.com

### 3. Product Information

Product ID: iW1699-XX, iW1699B-XX, iW1760-XX, iW1760B-XX, iW1770-XX, iW177X-XX, iW1790-XX, CP1760-XX, CP1760B-XX, JW8900, JW9800, iW1830-XX

Product Name: Trinity (D2284)

### 4. Description of Changes

CIP (Continue Improvement Project) for Metal covering VIA @ Line-end window improvement for UMC 0.3 um HVCMOS process.



HTOL 03HVCMOS



eHV30 Backend  
WCMP\_DUV



### 5. Implementation Plan

Item	Time Range planned	Status
Qualification plan (reference)	N/A	Done
Qualification results expected	11/15/2021	Done
Engineering samples expected	12/15/2022	On-Going
Implementation date for change	Q1, 2023	Q1, 2023
First shipment with changed items planned	Q1, 2023	5 weeks after customer accepts PCN
Last shipment date of unchanged product	Upon acknowledging PCN	5 weeks after customer accepts PCN
Updated Device Material Declaration (if applicable)	N/A	N/A

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### 6. Signatures

Dialog	05/22/2023	Richard Zelenka / Sr. Director Quality and Reliability AMSBG, Dialog Semiconductor
	<i>Date</i>	<i>Name / Title</i>
Customer acknowledge receipt of PCN Signature		
	<i>Date</i>	<i>Name</i>
Customer Approval Signature		
<i>(Major changes only)</i>	<i>Date</i>	<i>Name</i>

#### For Major Changes:

1. Customers should acknowledge receipt of the PCN within 30 calendar days of delivery of the PCN.
2. Lack of acknowledgement of the PCN within 30 calendar days constitutes acceptance of the change.
3. After acknowledgement, lack of additional response within the 90 days period constitutes acceptance of the change.
4. After receipt of all requested qualification reports, additional data to clarify the PCN, and/ or samples, the customer shall have at least 30 days to review this qualification data and test samples. Lack of response by the customer after these 30 days constitutes acceptance of the change.