

<b>Notification Number:</b>	20210422000	<b>Notification Date:</b>	May 7, 2021
<b>Title:</b>	Datasheet for UCD3138064		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b> Electrical Specification			

**Description of Change:**

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



UCD3138064  
SLUSB72D – MARCH 2013 – REVISED APRIL 2021

<b>Changes from Revision C (March 2017) to Revision D (April 2021)</b>	<b>Page</b>
• Add 40 pin RJA Package option (global). Change sync feature description to say it works with all UCD3138 family members instead of just UCD3138064. Split Device Overview section into 4 sections to conform to TI data sheet standards. ....	1
• Add RJA Package to Device Information table. Change number of ADC channels from 14 to 15, because channels 0 to 13 are for external pins, and channel 14 is for the internal temperature sensor.....	2
• Add RJA package for new designs note .....	2
• Added RJA to top line, deleted empty column, deleted row with External Crystal Clock Support, since only UCD3138128A supports it .....	6
• Add RJA Package top view, as well as notes about corner pad soldering and reliability for both RMH and RJA packages.....	8
• Add DAC Output as an alternate pin assignment for pins 2, 3, and 4 on the 40 pin QFN package table. Change package descriptions in tables for clarity and consistency.....	9
• Add reference to IC Package Thermal Metrics application report in thermal table .....	13
• Add RJA package to thermal table .....	13
• Fixed cross reference for current share resistor and current source .....	14
• Rise and fall time descriptions were switched to make them match the data. Before the rise time spec was in the row for fall times and vice versa. They were labeled correctly, so the error was obvious.....	18
• Add "Using Front End EADCs" to the bullet describing the digital comparators.....	38
• Remove pin numbers from table, as they were unnecessary and only applied to 64 pin package. Add note that Global I/O settings travel with the pin and don't move when the IOMUX register moves the pin function to another pin. ....	45
• Changed temperature sensor ADC channel from 15 to 14 .....	47
• Replaced the Device Grounding and Layout Guidelines sub -section with the Power Supply Recommendations Section and Layout Section. The new content is copied directly from the UCD3138 Family Practical Design Guideline Application Note. ....	73
• Update links and references to latest tool and document set .....	87

The datasheet number will be changing.

Device Family	Change From:	Change To:
UCD3138064	SLUSB72C	SLUSB72D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/UCD3138064>

**Reason for Change:**

To accurately reflect device characteristics.

**Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):**

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

**Changes to product identification resulting from this notification:**

None.			
<b>Product Affected:</b>			
UCD3138064RGCR	UCD3138064RGCT	UCD3138064RMHR	UCD3138064RMHT

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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