



Product Change Notification / SYST-23DMTV796

Date:

28-Mar-2023

Product Category:

Power Management - PWM Controllers

PCN Type:

Document Change

Notification Subject:

Data Sheet - MIC21LV33 36V, Dual Phase COT Buck Controller with Hyperlight Load® and Phase Shedding

Affected CPNs:

[SYST-23DMTV796_Affected_CPN_03282023.pdf](#)
[SYST-23DMTV796_Affected_CPN_03282023.csv](#)

Notification Text:

SYST-23DMTV796

Microchip has released a new Datasheet for the MIC21LV33 36V, Dual Phase COT Buck Controller with Hyperlight Load® and Phase Shedding of devices. If you are using one of these devices please read the document located at [MIC21LV33 36V, Dual Phase COT Buck Controller with Hyperlight Load® and Phase Shedding](#).

Notification Status: Final

Description of Change:

- Updated document layout.
- Minor corrections throughout.
- Updated Applications, General Description, Section 4.5.13 “Telemetry Knobs” and Section 5.2 “Output Capacitor Selection” to include additional information.
- Updated Section 1.0 “Electrical Characteristics”, Section 3.0 “Pin Descriptions”, Section 4.0 “Functional Description”, Section 5.0 “Application Information” and Section 7.0 “Packaging Information” to better describe the part.
- Updated the Electrical Characteristics(1) table.
- Updated the following figures: Typical Application Circuit, Functional Block Diagram, Figure 4-4, Figure 4-5, Figure 4-7, Figure 4-14, Figure 4-16, Figure 5-2 and added Figure 4-21.
- Updated the following equations: Equation 4-4, Equation 4-25, Equation 4-26, Equation 4-27, Equation 4-29, Equation 5-6, Equation 5-16, Equation 5-17, Equation 5-19, Equation 4-20, Equation 5-25, Equation 5-32, Equation 5-39, Equation 5-40, Equation 5-44 and Equation 5-45.

Impacts to Data Sheet: See above details.

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 28 March 2023

NOTE: Please be advised that this is a change to the document only the product has not been changed.

Markings to Distinguish Revised from Unrevised Devices::N/A

Attachments:

[MIC21LV33 36V, Dual Phase COT Buck Controller with Hyperlight Load® and Phase Shedding](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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Affected Catalog Part Numbers (CPN)

MIC21LV33YML-TR