



Product Change Notification: SYST-22SLSV229

Date:

27-Jul-2026

Product Category:

Switching Regulators

Notification Subject:

Data Sheet - MIC28516 - 70V/8A Hyper Speed Control® Synchronous DC/DC Buck Regulator with External Soft Start

Affected CPNs:

[SYST-22SLSV229_Affected_CPN_07272026.pdf](#)

[SYST-22SLSV229_Affected_CPN_07272026.csv](#)

Notification Text:

SYST-22SLSV229

Microchip has released a new Datasheet for the MIC28516 - 70V/8A Hyper Speed Control® Synchronous DC/DC Buck Regulator with External Soft Start of devices. If you are using one of these devices please read the document located at

[MIC28516 - 70V/8A Hyper Speed Control® Synchronous DC/DC Buck Regulator with External Soft Start.](#)

Notification Status: Final

Description of Change:

- Updated the Functional Block Diagram.
- Updated parameters Current Limit, ILIM Source Current, Top MOSFET RDS(ON), Bottom MOSFET RDS(ON) in Table 1-1, Section 1.0, Electrical Characteristics.
- Added SW to PGND in the Absolute Maximum Ratings.
- Updated Section 4.2 “Soft Start”, Section 4.3 “Current Limit”, and Section 4.4 “Negative Current Limit”.
- Updated Equation 4-3, Equation 5-2, and Equation 5-5.

Impacts to Data Sheet: See above details.

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 27 Jul 2026

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:

MIC28516 - 70V/8A Hyper Speed Control® Synchronous DC/DC Buck Regulator with External Soft Start

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

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