



Product Change Notification: SYST-24TWTA194

Date:

25-Jun-2025

Product Category:

Motor Control Sips

Notification Subject:

Data Sheet - dsPIC33CDVL64MC106 Family Data Sheet

Affected CPNs:

[SYST-24TWTA194_Affected_CPN_06252025.pdf](#)

[SYST-24TWTA194_Affected_CPN_06252025.csv](#)

Notification Text:

SYST-24TWTA194

Microchip has released a new Datasheet for the dsPIC33CDVL64MC106 Family Data Sheet of devices. If you are using one of these devices please read the document located at [dsPIC33CDVL64MC106 Family Data Sheet](#).

Notification Status: Final

Description of Change:

Revision E (June 2025)

• Sections:

- Updated Section “Host dsPIC DSC Features”,

Section “Functional Safety Readiness

– ISO 26262 / IEC 61508 / IEC 60730”,

Section “Referenced Sources”,

Section 2.1 “Basic Connection Requirements”,

Section 12.2 “Communications

Port (DE2 Interconnect)”, Section 12.3

“Low-Side PWM Inputs (PWMAL, PWMBL,
PWMCL)”, Section 12.4 “High-Side PWM

Inputs (PWMAH, PWMBH, PWMCH)”,

Section 12.5 “Output Enable (OE) Input”,

Section 12.7 “Wake Input (WAKE)”,

Section 12.19.3 “Sleep Mode”,

Section 12.23.1 “Communications Interface”,

Section 33.0 “Electrical Characteristics”

and Section 35.0 “MOSFET Gate

Driver Electrical Characteristics”.

- Removed Section 2.6 “MOSFET Gate

Driver Sleep Mode Requirements”.

• Tables:

- Updated Table 2, Table 3, Table 1-2,

Table 8-2, Table 33-17, Table 33-5,

Table 33-34 and Table 35-1.

- Added Table 12-1.

• Figures:

- Updated Figure (Pin Diagrams), Figure 12-1,

Figure 12-2 and Figure 13-2.

- Removed Figure 2-3 “Wake Extender” and

Figure 12-5 “Wake Extender Example

Software Flow".

- Registers:

- Updated Register 11-12, Register 13-5,
Register 13-18, Register 13-19,
Register 13-26, Register 14-2, Register 14-3,
Register 14-5, Register 22-2 and
Register 30-6.

- Added Register 29-1.

- Examples:

- Updated Example 12-1.

Impacts to Data Sheet: See above details.

Reason for Change: To Improve Productivity.

Change Implementation Status: Complete

Date Document Changes Effective: 25 Jun 2025

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:

dsPIC33CDVL64MC106 Family Data Sheet

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

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