



Product Change Notification / SYST-26HHNC763

Date:

27-Jan-2021

Product Category:

High-Side Current Sense Amplifiers

PCN Type:

Document Change

Notification Subject:

Data Sheet - MCP6C02 Data Sheet

Affected CPNs:

[SYST-26HHNC763_Affected_CPN_01272021.pdf](#)
[SYST-26HHNC763_Affected_CPN_01272021.csv](#)

Notification Text:

SYST-26HHNC763

Microchip has released a new Product Documents for the MCP6C02 Data Sheet of devices. If you are using one of these devices please read the document located at [MCP6C02 Data Sheet](#).

Notification Status: Final

Description of Change: The following is the list of modifications.

1. Modified the information on allowed Common-mode step sizes.
2. Added safety warnings.
3. Added to the discussion on circuit and part protection.
4. Updated AC Electrical Characteristics. 5. Updated Table 1-4.
6. Updated Equation 1-6.
7. Updated Section 2.0 "Typical Performance Curves". Added Figure 2-45.
8. Added Section 5.1.1 "Safety Precautions".
9. Updated Section 5.1.5.1 "Protecting the VIP Input".
10. Updated Section 5.1.5.2 "Protecting VDM (and VIM)".
11. Updated Section 5.1.5.3 "Protection for Capacitive Loads".
12. Updated Section 5.1.5.4 "Protection for Motor Loads".
13. Added Section 5.1.6 "Protection From Long Line (Wire) Effects".

- 14. Updated Section 5.1.10.3 “Capacitive Loads”.
- 15. Added Section 5.1.15 “PCB Tips”.
- 16. Updated Section 5.2.1 “Motor Current Monitors”

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 27 Jan 2021

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:

[MCP6C02 Data Sheet](#)

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

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Affected Catalog Part Numbers (CPN)

MCP6C02T-020E/CHY
MCP6C02T-020E/CHYVAO
MCP6C02T-020H/Q8B
MCP6C02T-020H/Q8BVAO
MCP6C02T-050E/CHY
MCP6C02T-050E/CHYVAO
MCP6C02T-050H/Q8B
MCP6C02T-050H/Q8BVAO
MCP6C02T-100E/CHY
MCP6C02T-100E/CHYVAO
MCP6C02T-100H/Q8B
MCP6C02T-100H/Q8BVAO