



Product Change Notification / SYST-23BRRA332

Date:

28-Mar-2023

Product Category:

Analog to Digital Converters

PCN Type:

Document Change

Notification Subject:

Data Sheet - MCP3004;MCP3008 2.7V 10-Bit A/D Converters with SPI Interface

Affected CPNs:

[SYST-23BRRA332_Affected_CPN_03282023.pdf](#)

[SYST-23BRRA332_Affected_CPN_03282023.csv](#)

Notification Text:

SYST-23BRRA332

Microchip has released a new Datasheet for the MCP3004;MCP3008 2.7V 10-Bit A/D Converters with SPI Interface of devices. If you are using one of these devices please read the document located at [MCP3004;MCP3008 2.7V 10-Bit A/D Converters with SPI Interface](#).

Notification Status: Final

Description of Change:

The following is the list of modifications:

- Added AEC-Q100 qualification (does not apply to PDIP-14 and PDIP-16 packages).
- Updated Description
- Updated Package Types • Updated Absolute Maximum Ratings †
- Updated Electrical Specifications
- Updated Section 2.0 "Typical Performance Characteristics"
- Added Figure 2-40 to Figure 2-43
- Updated Section 4.0 "Device Operation"
- Updated Section 4.1 "Analog Inputs"
- Updated Section 6.2 "Maintaining Minimum Clock Speed"
- Adds Section 6.2.1 "Sampling Rate vs. SPI Clock Frequency"
- Updated Product Identification System
- Updated Packaging Information

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:

[MCP3004;MCP3008 2.7V 10-Bit A/D Converters with SPI Interface](#)

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

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Affected Catalog Part Numbers (CPN)

MCP3004-I/P
MCP3004-I/SL
MCP3004-I/ST
MCP3004-I/STVAO
MCP3004T-I/ST
MCP3004T-I/STV01
MCP3004T-I/STVAO
MCP3004T-E/SL
MCP3004T-E/SLVAO
MCP3004T-E/ST
MCP3004T-E/STV02
MCP3004T-E/STVAO
MCP3008-I/P
MCP3008-I/SL
MCP3008T-E/SL
MCP3008T-E/SLVAO
MCP3004T-I/SL
MCP3004T-I/SLVAO
MCP3008T-I/SL
MCP3008T-I/SLV01
MCP3008T-I/SLVAO