



Product Change Notification / SYST-22URUG385

Date:

23-Apr-2021

Product Category:

Computing Embedded Controllers

PCN Type:

Document Change

Notification Subject:

Data Sheet - MEC1725 Data Sheet

Affected CPNs:

[SYST-22URUG385_Affected_CPN_04232021.pdf](#)

[SYST-22URUG385_Affected_CPN_04232021.csv](#)

Notification Text:

SYST-22URUG385

Microchip has released a new Product Documents for the MEC1725 Data Sheet of devices. If you are using one of these devices please read the document located at [MEC1725 Data Sheet](#).

Notification Status: Final

Description of Change: The updates were made on the following section

1. Table 4-6, "Source Clock Definitions": eSPI frequency updated from "20MHz to 50MHz" to "20MHz to 66MHz.
2. Table 52-3, "DC Electrical Characteristics": Updated ADC VREF input impedance value to 34.5 typical after validation input.
3. Table 31-2, Table 31-3 & Table 31-4: Tables use 24MHz sampling clock, minimum and maximum range of each band is specified in the value mentioned in parenthesis ().
4. Table 53-1, "VTR/VBAT Timing Parameters": Updated VTR and VBAT Rise and Fall time minimum values.
5. FIGURE 53-19: SPI Clock Timing on page 709: Updated diagram to add sampling information.
6. FIGURE 53-20: SPI Setup and Hold Times on page 710: Updated diagram to add sampling information.
7. Table 9-5, "Chip-Level (Global) Control/Configuration Registers": OTP ID, Validation ID and Boot ROM Revision ID are Read-Only registers.
8. Table 3-5, "Register Map": Several typos in table corrected.
9. Table 1-1, "MEC1725 Feature List": Optional CACHE controller feature added.
10. 4 Pin JTAG Port List, 2 Pin JTAG Port List and Serial Wire Debug Port List: JTAG Pin information added for clarity.
11. Table 2-5, "Pin Description table": Note 19, Note 20 and Note 21.

12. Table 3-5, "Register Map": Corrected ARM M4F block (SystemTick, Processor ID, etc) register address. Base address was wrong in the table.

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 23 Apr 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:

[MEC1725 Data Sheet](#)

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