

Product Change Notification - SYST-16SUPN930

Date:

17 May 2019

Product Category:

16-Bit - Microcontrollers and Digital Signal Controllers

Affected CPNs:**Notification subject:**

Data Sheet - dsPIC33CH512MP508 Family Data Sheet

Notification text:

SYST-16SUPN930

Microchip has released a new DeviceDoc for the dsPIC33CH512MP508 Family Data Sheet of devices. If you are using one of these devices please read the document located at [dsPIC33CH512MP508 Family Data Sheet](#).

Notification Status: Final**Description of Change:**

This revision incorporates the following updates:

1) Sections: - Updates 48, 64 and 80-Pin Diagrams, Section 18.1 “Control Registers” and Section 24.0 “Electrical Characteristics”.

2) Adds Section 3.16.2 “Temperature Sensor”, Section 4.7.2 “Temperature Sensor”, Section 6.7 “Backup Internal Fast RC (BFRC) Oscillator”, Section 6.8 “Reference Clock Output”, Section 6.9 “OSCCON Unlock Sequence”, Section 9.3 “Lock and Write Restrictions” and Section 9.4 “PWM4H/L Output on Peripheral Pin Select”.

3) Tables: - Updates Table 4, Table 5, Table 6, Table 1-1, Table 3-12, Table 3-13, Table 3-34, Table 3-45, Table 4-9, Table 4-20, Table 4-30, Table 8-2, Table 24-4, Table 24-5, Table 24-6, Table 24-7, Table 24-8, Table 24-9, Table 24-10, Table 24-11, Table 24-43, Table 24-46, Table 24-48 and Table 24-49. Removes Table 3-30: 5V Input Tolerant Pins, Table 4-26: 5V Input Tolerant Pins and Table 4-30: Slave PPS Input Control Registers. - Adds Table 3-24.

4) Figures: - Updates Figure 4-18, Figure 6-2, Figure 6-3, Figure 6-7 and Figure 10-1.

5) Registers: - Updates Register 3-174, Register 3-175, Register 6-10, Register 6-20, Register 9-10, Register 9-14, Register 9-32, Register 10-2 and Register 10-5. - Adds Register 6-12 and Register 6-20.

6) Equations:

Updates Equation 15-1. Also includes minor grammatical and formatting corrections.

Impacts to Data Sheet: None

Reason for Change: To Improve Manufacturability

Change Implementation Status: Complete

Date Document Changes Effective: 17 May 2019

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



Attachment(s):

[dsPIC33CH512MP508 Family 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)

DSPIC33CH512MP508-E/PT

DSPIC33CH512MP508-E/PTC01

DSPIC33CH512MP508-I/PT

DSPIC33CH512MP508T-I/PT