Product Change Notification: SYST-19DDFK066

Date:

23-Nov-2026

Product Category:

Wireless IC, Wireless Modules

Notification Subject:

Data Sheet - Highly Integrated Wireless MCU with CAN FD, Ethernet, USB, Motor Control, Graphics, Touch and Enhanced Security

Affected CPNs:

SYST-19DDFK066_Affected_CPN_11232026.pdf
SYST-19DDFK066_Affected_CPN_11232026.csv

Notification Text:

SYST-19DDFK066
Microchip has released a new Datasheet for the Highly Integrated Wireless MCU with CAN FD, Ethernet, USB, Motor Control, Graphics, Touch and Enhanced Security of devices. If you are using one of these devices please read the document located at **Highly Integrated Wireless MCU with CAN FD, Ethernet, USB, Motor Control, Graphics, Touch and Enhanced Security**.

Notification Status: Final

Description of Change:

Section	Description
Appendix B: Acronyms and Abbreviations	Updated Table 52-1
Appendix A: Regulatory Approval	Certifications added for the PIC32WM-BZ6602CE: • Japan (MIC) • Korea (KCC) • Taiwan (NCC) Removed details about PIC32WM-BZ6602CC and PIC32WM-BZ6204UC.
Bluetooth Low Energy RF Characteristics	Editorial updates

Section	Description
USB AC Electrical Specifications	Updated USB_15, USB_17 and USB_19 parameters in Table 49-37
Analog Comparator AC Electrical Specifications	Updated CMP_5, CMP_19 and CMP_21 parameters in Table 49-26
ADC Electrical Specifications	Updated Table 49-25
DAC Module Electrical Specifications	Updated SDAC_19, SDAC_21, SDAC_23 and SDAC_25 parameters in Table 49-21
RFPLL (RF/System Phase Locked Loop) AC Electrical Specifications	Updated RFPLL_7 parameter in Table 49-18
FRC AC Electrical Specifications	Updated FRC5 and FRC9 parameters in Table 49-17
I/O Pin AC/DC Electrical Specifications	Updated DI_5, DI_9, DI_13, DI_15 and DI_17 parameters in Table 49-12
Extreme Deep Sleep (XDS) Current Consumption DC Electrical Specifications	• Updated figure titles • Added $T_{A=}$ 85°C maximum • Updated OPWR_1 and OPWR_3 parameters in Table 49-10
Deep Sleep Current Consumption DC Electrical Specifications	• Updated figure titles • Added $T_{A=}$ 85°C maximum • Updated BPWR_1 thru BPWR_7 parameters in Table 49-9
Standby/Sleep Current Consumption DC Electrical Specifications	• Updated figure titles • Added TA = 85°C maximum • Updated SPWR_1 thru SPWR_47 parameters in Table 49-8
Idle Current Consumption DC Electrical Specifications	• Updated figure titles • Added TA = 85°C maximum • Updated IPWR_1 thru IPWR_23 parameters in Table 49-7
Active Current Consumption DC Electrical Specifications	• Updated figure titles • Added $T_{A=}$ 85°C maximum • Updated APWR_1 thru APWR_23 parameters in Table 49-6 • Updated conditions details under the note
PATTB	Updated Note information
INTFLAG	Added Note information to bit 16 to bit 21
INTFLAG register (8-Bit, 16-Bit and 32-Bit Mode)	Added Note information to bit 5 and bit 4
Starting a Comparison	Changed to Note information
ADC0TIME	Updated register details
ADC Sampling Requirements	Updated section
Selecting the Analog-to-Digital Conversion Clock Source and Prescaler	• Updated section • Added ADCCON2 and ADC0TIME related links

Section	Description
Block Diagram	Updated Figure 37-1
ISO 7816 for Smart Card Interfacing	Changed to Note information
Measurement	Added Note information
PMD3	Updated ETHMD
CTRLA	Added Note information to COUNTSYNC bit.
SRAM Memory Configuration	Updated Figure 9-2, Figure 9-3 and Figure 9-4
Product Memory Mapping Overview	Updated Figure 9-1
Typical Power Supply Connection for PIC32WM BZ6 Module	Updated Figure 8-3
Typical Power Supply Connection for SoC	Updated Figure 8-2
Block Diagram	Updated Figure 8-1
• SRCON0B • SRCON1B	Updated bit 10 details
Function Priority for Device Pins	Updated Table 7-15
Pinout and Signal Descriptions List	• Updated Table 6-1 header • Added Note 13 to the Table 6-1 table • Updated Module pin number representation in Table 6-2.
Power Pins	Updated Figure 5-7
Pinout Diagram	Added section
PIC32WM BZ6 Module Description	Updated Figure 5-1
Pinout Diagram	• Minor edits and updates • Updated Figure 4-4 and Figure 4-5
PIC32CX BZ6 Power Mode Block Diagram	Added section
PIC32WM BZ6 Module Ordering Information	• Updated Table 2-2 with PIC32WM BZ6602 Module certification details • Updated Figure 2-3
PIC32WM BZ6 Module Features	• Updated PIC32WM-BZ6602CE Module variant details • Updated PIC32WM BZ6602 Module certification details
PIC32CX BZ6 SoC Family Features	Updated section
Thermal Specifications	Updated typical value in Table 49-4
I/O Pin AC/DC Electrical Specifications	For minimum condition, changed VDD-0.6 to VDDIO-0.6
External XTAL and Clock (POSC) AC Electrical Specifications	Updated notes
XOSC32 (SOSC) AC Electrical Specifications	• Updated maximum value for XOSC32_17 • Added XOSC32_19, XOSC32_21, and XOSC32_24

Section	Description
Low Power Internal 32 kHz RC Oscillator AC Electrical Specifications	• Added LP32K_3 • Added minimum and maximum values for LP2K_9
ADC Electrical Specifications	Added minimum and maximum values in Table 49-23 and Table 49-24
Quadrature Encoder Interface AC Electrical Specifications	Added PDEC_20 and PDEC_25
IEEE 802.15.4 RF Characteristics	Updated characteristics for IZBRX_3
DMA, Interrupts and Events	Updated the table
Asynchronous Edge Detection Mode (No Debouncing)	Added a note
FIFO	Added a note
Channel Path	Added a note
SECCFG	Added PATCH_LCK bit

Impacts to Data Sheet: See above details

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 23 November 2026

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:

Highly Integrated Wireless MCU with CAN FD, Ethernet, USB, Motor Control, Graphics, Touch and Enhanced Security

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