Product Change Notification / SYST-03HPLI686

Date:

15-Jan-2024

Product Category:

Wireless IC, Wireless Modules

PCN Type:

Document Change

Notification Subject:

Data Sheet - PIC32CX-BZ2 and WBZ45 Family Data Sheet

Affected CPNs:

SYST-03HPLI686_Affected_CPN_01152024.pdf
SYST-03HPLI686_Affected_CPN_01152024.csv

Notification Text:

SYST-03HPLI686

Microchip has released a new Datasheet for the PIC32CX-BZ2 and WBZ45 Family Data Sheet of devices. If you are using one of these devices please read the document located at PIC32CX-BZ2 and WBZ45 Family Data Sheet.

Notification Status: Final

Description of Change: Bluetooth • Typical receiver power sensitivity values updated • Updated digital RSSI indicator -30 dBm to -50 dBm
802.15.4/Zigbee Modulation Scheme Changed RX sensitivity 103 dBm to 100 dBm
System Peripherals Minor change
Package Updated with WBZ450 information
WBZ45 Module Features Updated the sentence
WBZ45 Module Variants Updated with WBZ450 information
Package and Operating Conditions
Certifications Added one of the notes
1.1. PIC32CX-BZ2 SoC Ordering Information Added PIC32CX1012BZ24032 ordering information
1.2. WBZ45 Module Ordering Information Added WBZ450 ordering information
2. Configuration Summary Updated with WBZ450 information
3.2. Pinout Diagram Added PIC32CX1012BZ24032 pinout diagram
4.1. Pinout Diagram Added WBZ450 pinout diagram
4.2. Basic Connection Requirement Added WBZ450 diagram
4.2.4. Unused I/O Pins Removed the note

4.6.1. PCB Antenna Added antenna radiation pattern images
4.6.2. External Antenna Placement Recommendations Updated the figure
5. Pinout and Signal Descriptions List Updated with WBZ450 information
9.12.1. CHECON Minor change
13.17.9. PBxDIV, 13.17.8. REFOxTRIM, 13.17.7. REFOxCON, 13.17.10. SLEWCON, 13.17.12. CLK_DIAG, 13.17.3. SPLLCON Updated the Reset values
15.2. Power Modes Minor change
15.4. DSCON Added new topic
18.4.1. CFGCON0(L) Minor change
18.4.2. CFGCON1(L) Added new bits
18.4.6. CFGPCLKGEN1 Minor change
39.2. Features Added COMP and COMP1 related points
42.2. Features Typical receiver power sensitivity values updated
42.7. RF Physical Layer Updated transceiver architecture block diagram
42.8.1. Transmit Mixer and Power Amplifier Minor change
43. Electrical Characteristics Updated all the topics for this chapter
44.4. WBZ450 Module Packaging Information Added WBZ450 packaging information
45. Appendix A: Regulatory Approval • Updated with WBZ450 information • Added 45.4. Japan, 45.5. Korea, 45.6. Taiwan, China

Impacts to Data Sheet: None

Reason for Change: To improve productivity

Change Implementation Status: Complete

Date Document Changes Effective: 15 Jan 2024

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:

PIC32CX-BZ2 and WBZ45 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)

PIC32CX1012BZ25048-E/MYX
PIC32CX1012BZ24032-E/S8B
PIC32CX1012BZ25048-I/MYX
PIC32CX1012BZ24032-I/S8B
PIC32CX1012BZ25048T-I/MYX
PIC32CX1012BZ25048T-IA2/MYX
PIC32CX1012BZ25048T-IA0/MYX
PIC32CX1012BZ24032T-I/S8B
PIC32CX1012BZ25048T-E/MYX
PIC32CX1012BZ24032T-E/S8B
WBZ450PE-I
WBZ450UE-I
WBZ451PE-I
WBZ451UE-I
WBZ451PE-IA2