



Product Change Notification / SYST-17NPBW175

Date:

30-Apr-2024

Product Category:

Wireless IC, Wireless Modules

PCN Type:

Document Change

Notification Subject:

Data Sheet - PIC32MZ W1 and WFI32E01 Family Data Sheet

Affected CPNs:

[SYST-17NPBW175_Affected_CPN_04302024.pdf](#)

[SYST-17NPBW175_Affected_CPN_04302024.csv](#)

Notification Text:

SYST-17NPBW175

Microchip has released a new Datasheet for the PIC32MZ W1 and WFI32E01 Family Data Sheet of devices. If you are using one of these devices please read the document located at [PIC32MZ W1 and WFI32E01 Family Data Sheet](#).

Notification Status: Final

Description of Change:

Document • All the information related to the WFI32E02 and WFI32E03 Modules in this data sheet is Preliminary Information.

- PIC32MZ2051W104 is updated with PIC32MZ W1 family of devices

“Introduction” • Added PIC32MZ2051W104 SoC and WFI32E03 Module Variant.

“WFI32 Module Features” • Added WFI32E03 Module variant.

- Added features related to WFI32E03 Module variant.

- Table 1 and Table 2 updated with PIC32MZ2051W104 SoC and WFI32E03

Module variant.

- Added B30 pin information in Table 3.

1.1 “PIC32MZ W1 SoC Ordering

Information”

- Updated title to PIC32MZ W1 SoC Ordering Information.
- Table 1-1 updated with PIC32MZ2051W104 SoC ordering information.
- Updated Figure 1-1.

1.2 “WFI32 Module Ordering

Information”

- Table 1-2 updated with WFI32E03 Module variant ordering information.
- Updated Figure 1-2.

2.0 “PIC32MZ W1 SoC Description”

- Updated title to PIC32MZ W1 SoC Description.
- Added Figure 2-2.
- Updated Table 2-1 with PIC32MZ W1 SoC and WFI32E03 Module variant.

3.0 “WFI32 Module Description” • Added WFI32E03 Module variant throughout the chapter.

- Added Figure 3-3 for WFI32E03 Module variant.

3.1.1 “WFI32E01/WFI32E03 Pinout

details”

- Updated Figure 3-4 with test points.

3.2 “Basic Connection Requirement”

- Updated Figure 3-6 with WFI32E03 Module variant.

3.2.1 “Power Pins” • Updated Figure 3-8 with WFI32E03 Module variant.

6.0 “Memory Organization” • Added Figure 6-2.

13.0 “I/O Ports” • Removed the references of USART, SCANDIAG8 and ATPG Scan of PK4

from Table 13-4.

35.0 “Power Management Unit

(PMU)”

- Added Note 3 in Table 35-2 for BUCKMODE related bits.

36.0 “Power-Saving Features” • Removed the reference of “no VBAT” from Table 36-6.

40.0 “DEVELOPMENT Support” • Updated section with MPLAB® ICD 5 and PICKit™ 4/PICKit™ 5.

41.0 “Electrical Specifications” • Added Note: All the information related to the WFI32E02 and WFI32E03

Modules in this data sheet is Preliminary Information.

41.1 “PIC32MZ1025W104 Electrical

Specifications”

- Updated Table 41-15, Table 41-18, Table 41-42 and Table 41-43.

41.2 “PIC32MZ2051W104 Electrical

Specifications”

- Added PIC32MZ2051W104 SoC electrical specifications.

41.3 “WFI32E01/WFI32E02 Module

Electrical Specifications”

- Updated title.
- Updated Table 41-90 and Table 41-91.

41.4 “WFI32E03 Module Electrical

Specifications”

- Added WFI32E03 Module variant electrical specifications.

42.1 “PIC32MZ W1 SoC Packaging

Information”

- Updated title to PIC32MZ W1 SoC packaging information.
- Updated Figure 42-1.

- Added Figure 42-2.

42.1.3 “PIC32MZ W1 SoC Packaging

Dimension”

- Updated title to PIC32MZ W1 SoC Packaging dimension.

42.2 “WFI32 Module Packaging

Information”

- Added 42.2.1.3 “WFI32E03 Module Package Marking” for module package marking information.

42.2.2 “Module Packaging

Dimension”

- Updated 42.2.2.1 “WFI32E01/WFI32E03 Module Packaging Dimension”

section tile.

- Updated 42.2.2.2 “WFI32E02 Module Packaging Dimension” with latest package drawings.

- Updated 42.2.3.1 “WFI32E01/WFI32E03 Module Recommended Footprint”

section tile.

- Updated 42.2.3.2 “WFI32E02 Module Recommended Footprint” with

latest package drawings.

Appendix A: “Regulatory

Approvals”

- Updated with WFI32E03 Module variant regulatory information.

Appendix B: “Alternate Module

Placement Guidelines”

- Added WFI32E03 Module.

Impacts to Data Sheet: See above details.

Change Implementation Status: Complete

Date Document Changes Effective: 30 Apr 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:

[PIC32MZ W1 and WFI32E01 Family Data Sheet](#)

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Affected Catalog Part Numbers (CPN)

- WFI32E01PC-I
- WFI32E01PCI
- WFI32E01UC-I
- WFI32E01UCI
- WFI32E02UC-I
- WFI32E02UCI
- WFI32E01PE-I
- WFI32E01UE-I
- WFI32E02UE-I
- WFI32E03PE-I
- WFI32E03UE-I
- WFI32E03PC-I
- WFI32E03PCI
- WFI32E03UC-I
- WFI32E03UCI
- PIC32MZ2051W104132-I/NX
- PIC32MZ1025W104132-I/NX