



Product Change Notification / SYST-05ITHE896

Date:

14-Dec-2023

Product Category:

Ethernet PHYs

PCN Type:

Document Change

Notification Subject:

Data Sheet - KSZ8081MNX/RNB 10BASE-T/100BASE-TX Physical Layer Transceiver Data Sheet

Affected CPNs:

[SYST-05ITHE896_Affected_CPN_12142023.pdf](#)

[SYST-05ITHE896_Affected_CPN_12142023.csv](#)

Notification Text:

SYST-05ITHE896

Microchip has released a new Datasheet for the KSZ8081MNX/RNB 10BASE-T/100BASE-TX Physical Layer Transceiver Data Sheet of devices. If you are using one of these devices please read the document located at [KSZ8081MNX/RNB 10BASE-T/100BASE-TX Physical Layer Transceiver Data Sheet](#)

Notification Status: Final

Description of Change: DS000002202D (11-21-23) Features, Section 1.1, "General Description", Figure2-1, Figure2-2, Section8.0, Package Outline and Product Identification System Throughout document, updated Package Type from "QFN" to "VQFN". Table2-1, "Pin Description — KSZ8081MNX" and Table2-3, "Pin Description — KSZ8081RNB" Updated INTRP resistor value from "1.0 kΩ" to "4.7kΩ". Table3-2, "RMII Signal Definition" Updated to show RMII signals. Table3-10, "Typical Current/ Power Consumption (VDDA_3.3 = 3.3V, VDDIO = 3.3V)" and Table3-11, "Typical Current/Power Consumption (VDDA_3.3 = 3.3V, VDDIO = 2.5V)" Values for "3.3V Transceiver (VDDA_3.3)", "3.3V Digital I/Os (VDDIO)" and "Total Chip Power" modified. Section3.4.2, RMII Back-toBack Mode (KSZ8081RNB Only) Added section. Table4-2, "Register Description" Updated register bit 18.6 to include both MII and RMII. Table7-7, "RMII Timing Parameters – KSZ8081RNB (50MHz input to XI pin)" Updated table title from "25 MHz" to "50 MHz". Section8.0, Package Outline Updated/added Package drawings (Drawing, Dimensions and Land Pattern).

Impacts to Data Sheet: None

Change Implementation Status: Complete

Date Document Changes Effective: 14 Dec 2023

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:

[KSZ8081MNX/RNB 10BASE-T/100BASE-TX Physical Layer Transceiver 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)

KSZ8081MNXCA

KSZ8081MNXCA-TR

KSZ8081MNXIA

KSZ8081MNXIA-TR

KSZ8081MNXIA-TR-VW

KSZ8081RNBCA-TR

KSZ8081RNBIA-TR