



Product Change Notification: SYST-280JRH285

Date:

01-Nov-2025

Product Category:

Ethernet Switches

Notification Subject:

Data Sheet - KSZ9563R 3-Port Gigabit Ethernet Switch with RGMII/MII/RMII Interface and IEEE 1588v2

Affected CPNs:

[SYST-280JRH285_Affected_CPN_11012025.pdf](#)

[SYST-280JRH285_Affected_CPN_11012025.csv](#)

Notification Text:

SYST-280JRH285

Microchip has released a new Datasheet for the KSZ9563R 3-Port Gigabit Ethernet Switch with RGMII/MII/RMII Interface and IEEE 1588v2 of devices. If you are using one of these devices please read the document located at [KSZ9563R 3-Port Gigabit Ethernet Switch with RGMII/MII/RMII Interface and IEEE 1588v2](#).

Notification Status: Final

Description of Change:

DS00002419F (09-12-25)

Throughout document. Updates to grammar and formatting.

Section 6.4.8, "Power-up and Reset Timing", Figure 6-13, Note 1, Figure 6-14:

- Section updated to add an alternate power-up sequence for instances when VDDIO and AVDDH share a power supply.

Table 3-3, "Configuration Strap Descriptions":

- Note for LED2_1 updated from: "If Port 3 is set to MII or RMII mode, the Speed Select must be

100Mbps Mode.” to: “If Port 3 is set to MII or RMII mode, the Speed Select must be 100 Mbps Mode. If the Speed Select is set to 1000 Mbps Mode, Port 3 must be set to RGMII mode.”

Table 3-3, "Configuration Strap Descriptions":

- Note for RX_DV/CRS_DV/RX_CTL updated from: “Factory Test Mode is for internal Microchip use only and should not be enabled.” to: “Factory Test Mode is for internal Microchip use only and should not be enabled. An external pulldown is required to ensure the switch operates in Normal Mode.”

Updated description from “mode” to “speed.”

Impacts to Data Sheet: See above details.

Reason for Change: To Improve Productivity.

Change Implementation Status: Complete

Date Document Changes Effective: 01 Nov 2025

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:

KSZ9563R 3-Port Gigabit Ethernet Switch with RGMII/MII/RMII Interface and IEEE 1588v2

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