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REA n. 70645
Meccanografico AR007079

PRODUCT CHANGE NOTIFICATION

Subject: Product Change Notification – PCN20230014

Type of Change:

Product Process EOL General ECN[X]

Involved product (s):

Q962

Change description:

Adoption of KSZ9131RNXC-TR as an alternate to KSZ9031RNXCA.

Reason for Change:

Supply chain availability - shortage condition

Customer Impact of Change and Recommended Action:

The component is function compatible, but not fit and BSP update required.

Please open a ticket for instructions concerning the BSP update or refer to a SECO sales representative.

Associated schedule:

Use the Gigabit Ethernet KSZ9131RNXC-TR as an alternative when the KSZ9031RNXCA component is not available.

Samples could be available on demand.

Please do not hesitate to contact your Sales Referent for any questions or concerns.

Best Regards,

SECO S.p.a.

15/02/2023

Operating Instructions

WWW.SECO.COM

AREZZO



Qseven

MILAN



COM Express

FRANKFURT



SBC

BOSTON



ETX / XTX

BANGALORE



Carrier board

TAIPEI



Services & Solutions



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Due to the change in the ethernet physical layer, an update in the BSP has been necessary to identify and configure the new chip. The impact of the patch depends on the customers use case and the specific u-boot and kernel versions in use.

Please note that, in any case, the update is backward compatible: any software image including the updates described below will properly work on boards with either the old or the new ethernet physical layer, identifying the present one and configuring it as necessary.

Case 1 BSP 4 (u-boot-2013-10-secoboards-imx6, linux-3-0-35-secoboards-imx6)

- KERNEL

It is necessary to update the kernel to version v5.0, downloading the latest code from:

https://git.seco.com/pub/i.mx/yocto/3_x/linux-3-0-35-secoboards-imx6

As an alternative, it is possible to download the patch list from:

https://secostorage.blob.core.windows.net/secosoftware-public/KSZ9131_patches/linux-3-0-35.zip

- U-BOOT

If ethernet is used at u-boot (e.g. TFTP/NFS), it is necessary to update it to version v5.0, downloading the new code from:

https://git.seco.com/pub/i.mx/yocto/3_x/u-boot-2013-10-secoboards-imx6

The single patch can also be downloaded from:

https://secostorage.blob.core.windows.net/secosoftware-public/KSZ9131_patches/u-boot-2013.zip

Case 2 Seco Yocto version 4.x (u-boot-seco-4-19-35_1-0-0, linux-seco-4-19-35_1-0-0)

- KERNEL

It is necessary to update the kernel to release 3.9.0, downloading the latest code from:

<https://git.seco.com/pub/i.mx/yocto/4.x/linux-seco>

As an alternative, it is possible to download the patch list from:

https://secostorage.blob.core.windows.net/secosoftware-public/KSZ9131_patches/linux-4-19.zip

- U-BOOT

If ethernet is used at u-boot (e.g. TFTP/NFS), it is necessary to update it to release 3.9.0, downloading the new code from:

<https://git.seco.com/pub/i.mx/yocto/4.x/u-boot-seco>

The single patch can also be downloaded from:

https://secostorage.blob.core.windows.net/secosoftware-public/KSZ9131_patches/u-boot-4.19.zip

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