PCN Overview

PCN Number	DHCOM-STM32MP15-005
PCN Date	19.06.2024
Type of Change	Change Software

History

Revision	Date	Description	Name
R01	19.06.2024	First draft	AG
R01	24.06.2024	Reviewed and released	AB

Change Information

Reason of Change	Outdated U-Boot Version 2020.07.
	Meanwhile, the current U-Boot version for the DHCOM STM32MP15 contains many fixes and changes. With the old 2020.07 based U-Boot version e.g. Ethernet does not work anymore in combination with a current Linux version and also SD card boot is not possible.
	Note: PCN_DHCOM-STM32MP15-005_R01_2024-06-24.pdf replaces PCN_DHCOM-STM32MP15-003_R01_2023-05-22.pdf.
	In addition to PCN_DHCOM-STM32MP15-003, special bootloader ENV variables have been added to be backward compatible with the previous 2020.07:
	https://github.com/dh-electronics/u-boot-stm32mp1/commit/e5bf6ba0f16f5bbeb3eb5357abc7c9e406a255a8
Description of Changes	All DHCOM STM32MP15 based system on modules are shipped with pre-programmed U-Boot version 2020.07. With this change the U-Boot version will be updated to 2024.01. The sources can be found at the following link:
	https://github.com/dh-electronics/u-boot-stm32mp1/tree/v2024.01_testbench
Customer Impact	Updated pre-programmed U-Boot binary to version 2024.01.
Suggested Measures	It should be checked whether the pre-programmed binary works in the production and series process.
	Depending on the customer, the pre-programmed bootloader is used or a special version is installed by the customer. If the pre-programmed version is used, the customer must check, if this new version works also with the currently used production image. If special version is installed during production, the customer must ensure, that the update from new 2024.01 works without any issues.
Logistics	Please ask your sales contact, if you have questions regarding this change scenario.

Affected Products

HS00014	DHCM-STM32MP157C-C065-R102-F0819-SPI-E2-CAN2-SDR104-RTC-WBT-T-DSI-I-01D2
HS00015	DHCM-STM32MP157C-C065-R102-F0819-SPI-E-CAN2-SD-RTC-T-DSI-I-01D2
HS00016	DHCM-STM32MP153C-C065-R102-F0819-SPI-E2-CAN2-RTC-I-01D2
HS00017	DHCM-STM32MP153C-C065-R051-F0819-SPI-E-CAN2-I-01D2
HS00019	DHCM-STM32MP157C-C065-R102-F0819-SPI-E-CAN2-SD- RTC-T-DSI-I-01D2-microSDboot
HS00024	DHCM-STM32MP157C-C065-R102-F0409-SPI-E-RTC-T-I-01D2
HS00029	DHCM-STM32MP157C-C065-R051-F0409-SPI-E2-SD-RTC-WBT-I-01D2
FS00013	DHCM-STM32MP153C-C065-R102-F0819-SPI-E2-CAN2- RTC-I-01D2
FS00014	DHCM-STM32MP153C-C065-R102-F0819-SPI-E2-CAN2- RTC-I-01D2

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