

PCN Overview				
PCN Number		PCN_iMX6-009		
PCN Date		20.07.2021		
Type of Change		Change of component		
History				
Revision	Date	Description	Name	
R01	16.06.2021	First draft	AG	
R01	12.07.2021	Reviewed and released	AB	

Change Information	
Reason for Change	EOL (End of Life) of the used Spansion SPI flash S25FL116K0XMF1010.
Description of Changes	The Spansion SPI flash S25FL116K0XMF1010 will be replaced by Winbond W25Q16JVSSIQ.
Customer Impact	Old Bootloader versions only support SPI flash devices of the vendor Spansion. Therefore, the customer must ensure, that the mass production image includes the bootloader version 2.0.0.3 or newer to support the new Winbond W25Q16JVSSIQ flash device. The new versions are backwards compatible and support both flash devices. All DHCOM i.MX6 modules are supplied with a pre-programmed bootloader version. Following versions are delivered with the old Spansion S25FL116K0XMF1010 flash: ▪ HI00031, HI00035, HI00036, HI00037, HI00038, HI00040, HI00042, HI00045, HI00046, HI00047, HI00049 ➔ Version 1.0.0.4 ▪ HI00033 ➔ Version 1.0.0.6 ▪ HI00029, HI00041, HI00061 ➔ Version 1.1.0.4 ▪ HI00054, HI00055, HI00053 ➔ Version 2.0.0.3 ▪ HI00078 ➔ Version 2.0.7.0 With the switch to the new Winbond W25Q16JVSSIQ flash the bootloader for all article numbers will be updated to version 2.0.9.0 automatically.
Suggested Measures	The current bootloader version needs to be checked. If it is older than 2.0.0.3, then an update must be applied to the mass production image. The sources (current version 2.0.9.0) can be found on Github: https://github.com/dh-electronics/u-boot-imx6qdl/commits/dev/legacy/2018.05_dhcom

	The binary (current version 2.0.9.0) can be downloaded from the following link: https://www.dropbox.com/s/4praz1z7ur1tik5/u-boot-with-spl_imx6_v2.0.9.0_emmc.imx?raw=1 Next to this the customer must ensure, that the future pre-programmed boot-loader version 2.0.9.0 is correctly handled at the production process.
Logistics	Please ask your sales contact if you have any questions about this change.

Affected Products	
Article No. DH	Description
HI00029	DHCM-iMX6DL-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2
HI00033	DHCM-iMX6S-C080-R051-F0051-E-I-01D2
HI00037	DHCM-iMX6S-C0800-R051-F0409-E-T-I-01D2
HI00040	DHCM-iMX6S-C080-R102-F0409-E-RTC-I-01D2
HI00041	DHCM-iMX6DL-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2
HI00042	DHCM-iMX6S-C0800-R102-F0409-E-RTC-T-I-01D2
HI00045	DHCM-iMX6Q-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2
HI00046	DHCM-iMX6S-C0800-R051-F0819-E-SD-RTC-T-HS-I-01D2
HI00047	DHCM-iMX6D-C080-R102-F0409-E-I-01D2
HI00049	DHCM-iMX6S-C080-R051-F0819-E-SD-RTC-I-01D2-Coating
HI00053	DHCM-iMX6S-C080-R051-F0819-E-I-01D2
HI00054	DHCM-iMX6Q-C0800-R204-F0819-E-RTC-I-01D2
HI00055	DHCM-iMX6S-C0800-R102-F0409-E-CAN2-RTC-I-01D2
HI00061	DHCM-iMX6DL-C100-R102-F0819-E-C-01D2
HI00078	DHCM-iMX6Q-C080-R102-F0819-E-CAN2-RTC-HS-I-01D2
FI00021	DHCM-iMX6S-C080-R051-F0051-E-I-01D2
FI00024	DHCM-iMX6DL-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2
FI00026	DHCM-iMX6DL-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2
FI00027	DHCM-iMX6DL-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2
FI00028	DHCM-iMX6S-C080-R102-F0409-E-RTC-I-01D2
FI00029	DHCM-iMX6S-C080-R102-F0409-E-RTC-T-I-01D2
FI00032	DHCM-iMX6DL-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2
FI00033	DHCM-iMX6Q-C080-R102-F0819-E-SD-RTC-T-HS-I-01D2
FI00034	DHCM-iMX6S-C080-R051-F0819-E-I-01D2
FI00044	DHCM-iMX6Q-C080-R102-F0819-E-CAN2-RTC-HS-I-01D2
FI00048	DHCM-iMX6Q-C080-R102-F0819-E-SD-RTC-T-HS-I-01D2
FI00053	DHCM-iMX6DL-C0800-R102-F0819-E-SD-RTC-T-HS-I-01D2

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