

PCN Overview



PCN Number		DHCOM-iMX6ULL-002	
PCN Date		12.08.2025	
Type of Change		Change Component	
History			
Revision	Date	Description	Name
R01	12.08.2025	First draft	AG
R01	12.08.2025	Reviewed and released	AB

Change Information	
Reason of Change	End of life (EOL) for the 4GByte eMMC flash memory.
Description of Changes	Qualification and introduction of the new eMMC flash. Current Flash: Samsung KLM4G1FETE-B041 New Flash: SkyHigh S40FC004C1B2C00 or IM IMC1B1A3C6A9A8E3A3A0000
Customer Impact	All modules with 4GByte eMMC Flash will be equipped with the new SkyHigh S40FC004C1B2C00 or IM IMC1B1A3C6A9A8E3A3A0000 memory.
Suggested Measures	DH advises customers to validate the new product version carefully before its production release. Customer software should support both old and new types of flash memory. Please note that the validation of the new flash memory was performed using the current U-Boot 2018.05-DH_v1.3 and Linux kernel version 6.12.30. Older versions are unlikely to cause problems, but this has not been tested.
Logistics	Please ask your sales contact, if you have questions regarding this change scenario.

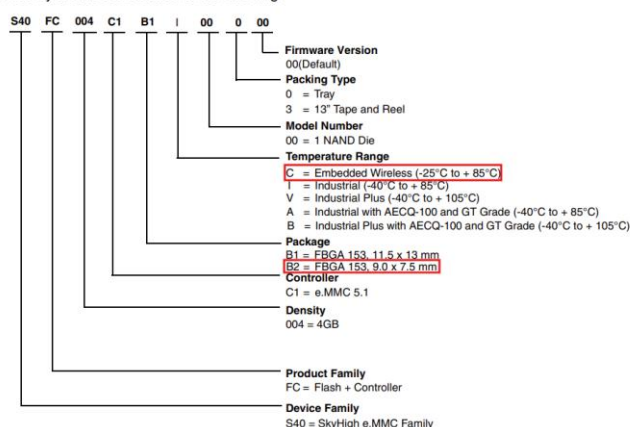
Affected Products	
HI00062	DHCM-iMX6ULL-C090-R051-F0409-SPI-E2-CAN2-RTC-WBT-ADC-C-01D2
HI00063	DHCM-iMX6ULL-C090-R051-F0409-SPI-E2-CAN2-SD-RTC-ADC-C-01D2
HI00076	DHCM-iMX6ULL-C052-R025-F0409-SPI-E-RTC-C-01D2
HI00084	DHCM-iMX6ULL-C090-R051-F0409-SPI-E-CAN2-RTC-WBT-C-01D2
HI00089	DHCM-iMX6ULL-C080-R051-F0409-SPI-E2-CAN2-RTC-WBT-ADC-I-01D2
HI00090	DHCM-iMX6ULL-C080-R051-F0409-SPI-E2-CAN2-SD-RTC-ADC-I-01D2
HI00097	DHCM-iMX6ULL-C080-R051-F0409-SPI-E-CAN2-RTC-WBT-I-01D2
HI00098	DHCM-iMX6ULL-C080-R051-F0409-SPI-E2-CAN2-RTC-WBT-ADC-I-01D2
HI00099	DHCM-iMX6ULL-C080-R051-F0409-SPI-E2-CAN2-SD-RTC-ADC-I-01D2
HI00100	DHCM-iMX6ULL-C080-R051-F0409-SPI-E2-I-01D2
FI00045	DHCM-iMX6ULL-C052-R025-F0409-SPI-E-RTC-C-01D2
FI00054	DHCM-iMX6ULL-C080-R051-F0409-SPI-E-CAN2-RTC-WBT-I-01D2
FI00055	DHCM-iMX6ULL-C080-R051-F0409-SPI-E2-I-01D2

Contacts	
Technical Contact	Tel: +49 8662 4882 0 Mail: support@dh-electronics.com
Sales Contact	Tel: +49 8662 4882 0 Mail: sales@dh-electronics.com

SkyHigh S40FC004C1B2C00

9. Ordering Information

The ordering part number is formed by a valid combination of the following:



Valid Combinations

Valid Combinations list configurations planned to be supported in volume for this device. Consult your local sales office to confirm availability of specific valid combinations and to check on newly released combinations.

Valid Combinations									
Device Family	Product Family	Density	Controller	Package Type	Temperature Range	Model Number	Packing Type	Firmware Version	Package Description
S40	FC	004	C1	B1, B2	I	00	0, 3	30	BGA

Note:

Contact sales for the following OPN's with standard firmware:
S40FC004C1B1I00x00
S40FC004C1B2I00x00

IM IMC1B1A3C6A9A8E3A3A0000

2 Order Information

Table 1 – Part Number

Product Part Number	Density	Operation Temperature
IMC1B1A3C6A9A8X3A3A0000	4GB	-25°C ~ 85°C/ -40°C ~ 85°C
IMC1B1A4C6A9A8X3A4A0000	8GB	
IMC1B1A5C6A9A8X3A5A0000	16GB	
IMC1B1A6C6A9A8X3A6A0000	32GB	
IMC1B1A3C8A9A8Y3A3A0000	4GB	Auto.3 (-40°C ~ 85°C)/ Auto.2(-40°C ~ 105°C)
IMC1B1A4C8A9A8Y3A4A0000	8GB	
IMC1B1A5C8A9A8Y3A5A0000	16GB	
IMC1B1A6C8A9A8Y3A6A0000	32GB	

X: Temperature

E – Extended (-25°C ~ 85°C)

I – Industrial (-40°C ~ 85°C)

Y: Temperature

V – Auto. Grade3 (-40°C ~ 85°C)

A – Auto. Grade2 (-40°C ~ 105°C)