PCN Overview			
PCN Number	DHCOM-iMX6-013		
PCN Date	31.07.2025		
Type of Change	Change Component		
History			
Revision	Date	Description	Name
R01	31.07.2025	First draft	AG
R01	31.07.2025	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
Customer Impact	All modules with 4GByte eMMC Flash will be equipped with the new SkyHigh S40FC004C1B2C00 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 2025.01 and Linux kernel version 6.12.21. Older versions are un-likely to cause problems, but this has not been tested.
Logistics	Please ask your sales contact, if you have questions regarding this change sce-nario.

Affected Products

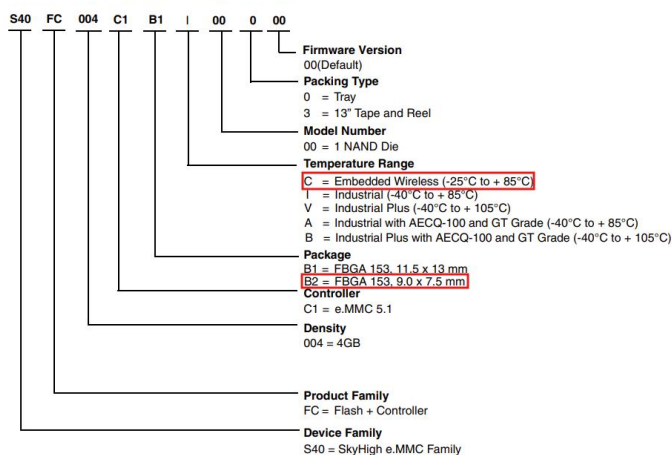|	
HI00107	DHCM-iMX6DL-C080-R102-F0409-E-RTC-T-I-01D2
HI00109	DHCM-iMX6S-C080-R051-F0409-E-T-I-01D2
HI00110	DHCM-iMX6S-C080-R102-F0409-E-RTC-T-I-01D2
HI00111	DHCM-iMX6D-C080-R102-F0409-E-I-01D2
HI00115	DHCM-iMX6S-C080-R102-F0409-E-CAN2-RTC-I-01D2
FI00028	DHCM-iMX6S-C080-R102-F0409-E-RTC-I-01D2
FI00058	DHCM-iMX6DL-C080-R102-F0409-E-RTC-T-I-01D2
FI00060	DHCM-iMX6D-C080-R102-F0409-E-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

Datasheet: SkyHigh S40FC004C1B2C00

https://www.skyhighmemory.com/download/eMMC_4GB_STD_SML_PKG_S40FC004_002_01111_FW30.pdf?v=A

9. Ordering Information

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

Firmware Version
00(Default)

Packing Type
0 = Tray
3 = 13" Tape and Reel

Model Number
00 = 1 NAND Die

Temperature Range
C = Embedded Wireless (-25°C to + 85°C)
I   = Industrial (-40°C to + 85°C)
V = Industrial Plus (-40°C to + 105°C)
A = Industrial with AECQ-100 and GT Grade (-40°C to + 85°C)
B = Industrial Plus with AECQ-100 and GT Grade (-40°C to + 105°C)

Package
B1 = FBGA 153, 11.5 x 13 mm
B2 = FBGA 153, 9.0 x 7.5 mm

Controller
C1 = e.MMC 5.1

Density
004 = 4GB

Product Family
FC = Flash + Controller

Device Family
S40 = SkyHigh e.MMC Family

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