

CHECK OUT NOW THAT HISTORY IS CREATED!

eMMC

KLMAG2GESD-B03Q

16 GB eMMC 5.0

KLMAG2GESD-B03Q

- OVERVIEW
- SPECIFICATIONS
- RELATED RESOURCES

The eMMC architecture for embedded memory devices contains not only a data storage element (such as NAND flash memory), but also the controller for the storage element integrated on the same silicon die; it allows devices and applications to maintain the required data rates and throughputs for high-density chips. Along with the abilities to store high-resolution video and provide extended data storage capabilities, this results in reduced development time and easier.

As the No.1 leader in global memory market, Samsung offers the best DPPM management capability based on the world largest volume. We are proud to provide diverse and consolidated solutions for fast changing automotive market through our dedicated manufacturing lines. Especially with our in-house controller and firmware capability, Samsung eMMC offers a fast troubleshooting.

Also, Samsung guarantees extended support to enable sufficient safety testing and defect resolution that meets the need of automotive market, through an automotive-dedicated manufacturing line.

SPECIFICATIONS

EMMC > KLMAG2GESD-B03Q

Production Status	Mass Production	Density	16 GB
Package Size	11.5x13x0.8	Temperature(°C)	-40°C ~ 105°C
Version	5.0	MLC	2bit MLC
Application	Automotive	Organization	x8
Voltage(V)	1.7V ~ 1.95V, 2.7V ~ 3.6V	Package	153FBGA

RELATED RESOURCES

Brochure (3)



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PRODUCTS

- DRAM
- Server DRAM

- PC DRAM

- Mobile DRAM

- Consumer DRAM

- Graphic DRAM
- Flash Storage
- V-NAND Technology

- Client SSD

- Enterprise SSD

- eMMC

- UFS
- MCP
- eMMC Based MCP

- ePoP

- Exynos Solution
- Application Processor

- ModAP

- Modem/RF
- CMOS Image Sensor
- Mobile CIS

- Camera CIS

- Industry CIS
- Display Solution
- Mobile DDI

- Panel DDI/TCON

- Touch Controller
- Security Solution
- Smart Card

- NFC
- Power IC
- Bio-Processor

APPLICATION

- Data Center
- Web Server

- Application Server

- DB Server

- Storage Server
- Mobile Device
- Smartphone

- Tablet

- Wearable
- Consumer Device
- Desktop

- Notebook

- DSC/DSLR

- Smart TV

- Game Console
- By Industry
- Automotive

- Industrial

- Banking/ID

- Healthcare & Wellness

FOUNDRY

- About Samsung Foundry
- Manufacturing
- Process Technology
- 14nm

- 32/28nm

- 45nm

- 65nm
- Service
- Design Solution

- MPW Shuttle Service

- Mask Service

- Back-end Service

- E-service

MORE SITES

- LED

Display

B2B Workplace

Worker Safety
- MemoryLink

Exynos

Artik

Simband