e-MMC

e-MMC is a family of NAND flash memories with control functionality such as ECC, wear leveling and bad-block management. e-MMC also provides a high-speed memory card interface compliant with JEDEC Version 5.0/5.1, eliminating the need for users to be concerned about directly controlling NAND flash memories. Thus, e-MMC can easily be used as a storage device for embedded applications.

Product list of e-MMC

Capacity	Part Number	Class	e-MMC Version	Max Data Rate (MB/s)	Supply Voltage		Operating Temperature (°C)	Package	
					V_{CC} (V)	V_{CCQ} (V)		Size (mm)	Code
4GB	THGBMNG5D1LBAIT	Consumer	5.0	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-25 to 85	11×10×0.8	P-WFBGA153-1110-0.50
8GB	THGBMJG6C1LBAIL	Consumer	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-25 to 85	11.5×13×0.8	WFBGA153-1113-0.50
	THGBMJG6C1LBAU7	Industrial	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-40 to 105 (1)	11.5×13×1.0	P-VFBGA153-1113-0.50
16GB	THGBMJG7C1LBAIL	Consumer	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-25 to 85	11.5×13×0.8	P-WFBGA153-1113-0.50
	THGAMRG7T13BAIL *	Consumer	5.1	400	2.7 to 3.6	1.70 to 1.95	-25 to 85	11.5×13×0.8	P-WFBGA153-1113-0.50
	THGBMJG7C2LBAU8	Industrial	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-40 to 105 (1)	11.5×13×1.2	P-TFBGA153-1113-0.50
32GB	THGBMJG8C2LBAIL	Consumer	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-25 to 85	11.5×13×0.8	P-WFBGA153-1113-0.50
	THGAMRG8T13BAIL *	Consumer	5.1	400	2.7 to 3.6	1.70 to 1.95	-25 to 85	11.5×13×0.8	P-WFBGA153-1113-0.50
	THGBMJG8C4LBAU8	Industrial	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-40 to 105 (1)	11.5×13×1.2	P-TFBGA153-1113-0.50
64GB	THGAMRG9T23BAIL *	Consumer	5.1	400	2.7 to 3.6	1.70 to 1.95	-25 to 85	11.5×13×0.8	P-WFBGA153-1113-0.50
	THGBMJG9C8LBAU8	Industrial	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-40 to 105 (1)	11.5×13×1.2	P-TFBGA153-1113-0.50
128GB	THGAMRT0T43BAIR *	Consumer	5.1	400	2.7 to 3.6	1.70 to 1.95	-25 to 85	11.5×13×1.0	P-VFBGA153-1113-0.50

- Note (1) : Tc=115°C max.
- * New Product : Contact the KIOXIA Corporation's sales representative for sample schedule about new products.
- Details about your intended usage would be checked before submitting samples of the Industrial class product.

Links

MLC/NAND Flash Memory

- e-MMC
- UFS
- e-MMC/UFS for Automotive Information & Entertainment Systems

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