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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/MMCA Version 4.5/5.0, eliminating the need for users to be concerned about directly controlling NAND flash memories. Thus, e-MMC™ can easily be used as an embedded MultiMedia Card (MMC) memory.

Product list of e-MMC™

| Capacity  | Part Number      | Class   | e-MMC Version | Max Data Rate (MB/s) | Supply Voltage      |                          | Operating Temperature (°C) | Package                  |
|-----------|------------------|---------|---------------|----------------------|---------------------|--------------------------|----------------------------|--------------------------|
|           |                  |         |               |                      | V <sub>CC</sub> (V) | V <sub>CCQ</sub> (V)     |                            |                          |
| 4 GBytes  | THGBMBG5D1KBAIT  | Premium | 5.0           | 400                  | 2.7 to 3.6          | 1.70 to 1.95, 2.7 to 3.6 | -25 to 85                  | P-WFBGA153-1110-0.50-001 |
|           | THGBMBG5D1KBAIL* |         |               |                      |                     |                          |                            | P-WFBGA153-1113-0.50-001 |
|           | THGBMAG5A1JBAWR  | I-Ver   | 4.5           | 200                  |                     |                          | -40 to 85                  | P-VFBGA153-1113-0.50-002 |
| 8 GBytes  | THGBMBG6D1KBAIL  | Supreme | 5.0           | 400                  |                     |                          | -25 to 85                  | P-WFBGA153-1113-0.50-001 |
|           | THGBMAG6A2JBAWR  | I-Ver   | 4.5           | 200                  |                     |                          | -40 to 85                  | P-VFBGA153-1113-0.50-002 |
| 16 GBytes | THGBMBG7D2KBAIL  | Supreme | 5.0           | 400                  |                     |                          | -25 to 85                  | P-WFBGA153-1113-0.50-001 |
|           | THGBMAG7B2JBAWM  | I-Ver   | 4.5           | 200                  |                     |                          | -40 to 85                  | P-VFBGA169-1216-0.50-001 |
| 32 GBytes | THGBMBG8T4KBAIR* | Premium | 5.0           | 400                  |                     |                          | -25 to 85                  | P-VFBGA153-1113-0.50-002 |
|           | THGBMBG8D4KBAIR  | Supreme |               |                      |                     |                          |                            |                          |
|           | THGBMAG8B4JBAWM  | I-Ver   | 4.5           | 200                  |                     |                          |                            |                          |
| 64 GBytes | THGBMBG9T8KBAIG* | Premium | 5.0           | 400                  |                     |                          | -25 to 85                  | P-TFBGA153-1113-0.50B4   |
|           | THGBMBG9D8KBAIG  | Supreme |               |                      |                     |                          |                            |                          |

\* : New product

e-MMC™ is the trademark of JEDEC/MMCA.

Contact the Toshiba sales representative for information about RoHS compliance before you purchase any components.

Contact the Toshiba sales representative for sample schedule about products under development.

Details about your intended usage would be checked before submitting samples of the I-Ver. class product.

Links

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e-MMC™

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Contacts

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