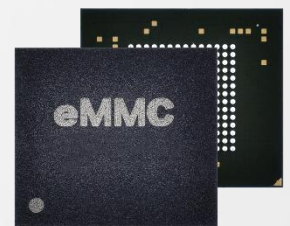


The Most **Reliable**
Storage For Industries

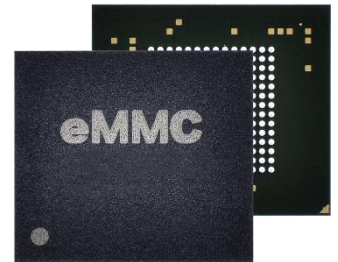
EH130-eMMC



EH130-eMMC

Overview

Apacer EH130-eMMC is an embedded, non-volatile memory solution that integrates triple-level cell (TLC) NAND flash with an onboard eMMC controller, fully compliant with the JEDEC eMMC 5.1 specification. The integrated controller manages NAND flash operations internally, including ECC, wear leveling, IOPS optimization, and read sensing, significantly reducing the workload on the host processor and simplifying system integration.



Designed for a wide range of embedded and consumer applications, EH130-eMMC is an ideal storage solution for smartphones, tablets, digital cameras, digital recorders, eBook readers, digital TVs, set-top boxes, and other portable or embedded devices. Its compact BGA package, low power consumption, and high integration make it a cost-effective and energy-efficient storage solution for space-constrained applications.

Available in capacities of up to 32GB within a JEDEC-compliant form factor, EH130-eMMC enables seamless system integration while providing ample storage capacity. It helps manufacturers accelerate product development and reduce time to market without compromising performance or reliability.

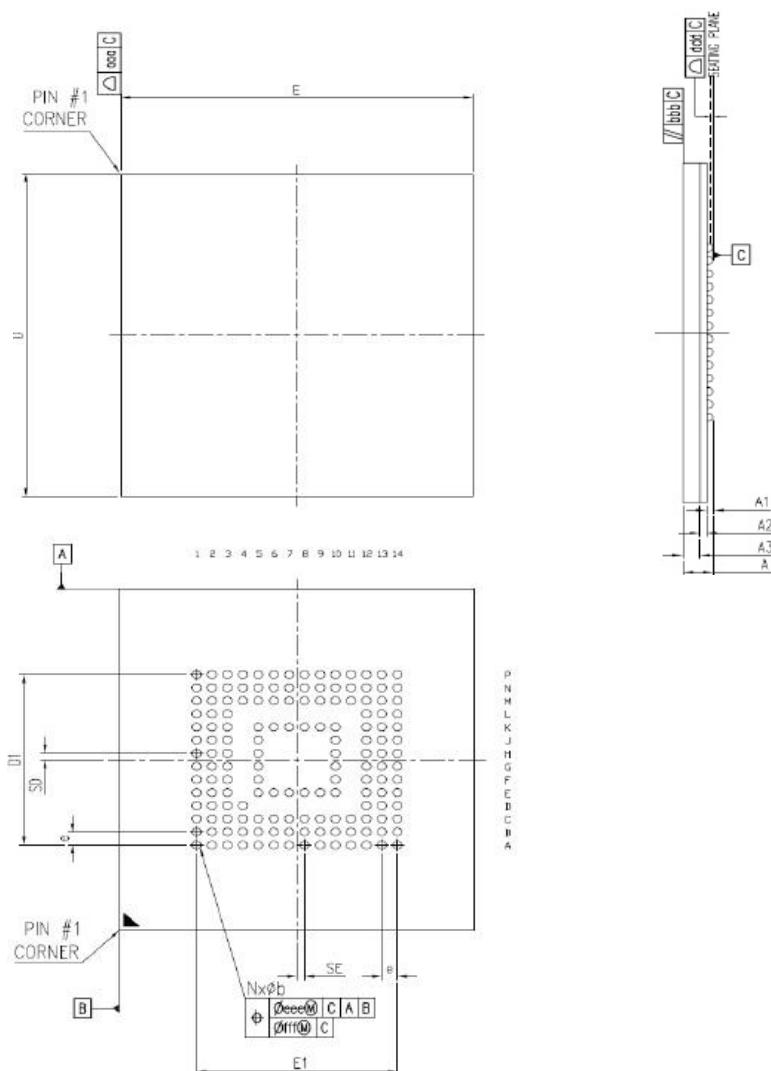
Feature

- Variable clock frequencies of 0-200MHz
- Ten-wire bus interface with a hardware reset
- Supports three different data bus widths: 1 bit (default), 4 bits, and 8 bits
- Internal error correction code (ECC)
- Internal enhanced data management algorithm
- Power-loss data protection during programming operations.
- Secure bad block erase commands
- Enhanced write protection with permanent and partial options.
- Field firmware update (FFU)
- Device Health Report
- Pre EOL (End of Life) information
- Optimal size
- Production state awareness
- Power-off notification for sleep

Specifications

Model	EH130-eMMC
Interface	eMMC5.1 HS400
Form Factor	153 Ball FBGA
NAND Flash Type	TLC
Capacity	16GB~32GB
Sequential Read Performance (MB/sec)	Up to 315
Sequential Write Performance (MB/sec)	Up to 225
Standard Operating Temperature (°C)	-25 ~ +85
Storage Temperature (°C)	-40 ~ +85
Thermal sensor	No
Operating Voltage	VCCQ = 1.8V VCC = 3.3V
Power Consumption	Read: 16GB: VCCQ(1.8V) = 155mA/ VCC(3.3V) = 100mA 32GB: VCCQ(1.8V) = 155mA/ VCC(3.3V) = 105mA Write: 16GB: VCCQ(1.8V) = 70mA/ VCC(3.3V) = 65mA 32GB: VCCQ(1.8V) = 70mA/ VCC(3.3V) = 105mA Standby Current: 16GB: VCCQ(1.8V) = 0.15mA/ VCC(3.3V) = 0.06mA 32GB: VCCQ(1.8V) = 0.15mA/ VCC(3.3V) = 0.07mA
Dimension (L x W x H)	11.50 x 13.00 x 1.00 (mm)

Mechanical Specification



Unit: mm

**For more information,
contact your Apacer representative**

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