












FM22LD16-55-BGTR Cypress Semiconductor Product Details PDF

Images are for reference
See Product Specification

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| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number: | FM22LD16-55-BGTR |
| BomEasy Part: | FM22LD16-55-BGTR-317867 |
| Category: | Microcontrollers - MCU |
| Manufacturer: | Cypress Semiconductor |
| Applications: | <input checked="" type="checkbox"/> Automotive <input checked="" type="checkbox"/> Communications equipment <input checked="" type="checkbox"/> Enterprise systems |
| Description: | F-RAM (Nonvolatile Ferroelectric RAM), 4096 Kb Density, BGA-48, RoHS |
| RoHS: |  Lead free / RoHS Compliant |
| Stock Category: | In stock |
| Stock Resource: | Franchised Distributor |
| Warranty: | 1 Year BomEasy Guarantee » Learn More |
| EDA/CAD Models: | FM22LD16-55-BGTR PCB Footprint and Symbol |
| Delivery: |      |
| Payment: |      |

FM22LD16-55-BGTR(Cypress Semiconductor) Description

Additional information about the FM22LD16-55-BGTR: The FM22LD16 is a 256K × 16 nonvolatile memory that reads and writes similar to a standard SRAM. A ferroelectric random access memory or F-RAM is nonvolatile, which means that data is retained after power is removed. It provides data retention for over 151 years while eliminating the reliability concerns, functional disadvantages, and system design complexities of battery-backed SRAM (BBSRAM). Fast write timing and high write endurance make the F-RAM superior to other types of memory. The FM22LD16 operation is similar to that of other RAM devices and therefore, it can be used as a drop-in replacement for a standard SRAM in a system. Read and write cycles may be triggered by CE or simply by changing the address. The F-RAM memory is nonvolatile due to its unique ferroelectric memory process. These features make the FM22LD16 ideal for nonvolatile memory applications requiring frequent or rapid writes. The FM22LD16 includes a low voltage monitor that blocks access to the memory array when VDD drops below VDD min. The memory is protected against an inadvertent access and data corruption under this condition. The device also features software-controlled write protection. The memory array is divided into 8 uniform blocks, each of which can be individually write protected. The device is available in a 48-ball FBGA package. Device specifications are guaranteed over the industrial temperature range –40 °C to +85 °C. For a complete list of related documentation, [click here](#).

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