

Rochester Electronics Manufactured Components

Rochester branded components are manufactured using either die/wafers purchased from the original suppliers or Rochester wafers recreated from the original IP. All recreations are done with the approval of the OCM.

Parts are tested using original factory test programs or Rochester developed test solutions to guarantee product meets or exceed the OCM data sheet.

Quality Overview

- ISO-9001
- AS9120 certification
- Qualified Manufacturers List (QML) MIL-PRF-35835
 - Class Q Military
 - Class V Space Level
- Qualified Suppliers List of Distributors (QSLD)
 - Rochester is a critical supplier to DLA and meets all industry and DLA standards.

Rochester Electronics, LLC is committed to supplying products that satisfy customer expectations for quality and are equal to those originally supplied by industry manufacturers.

The original manufacturer's datasheet accompanying this document reflects the performance and specifications of the Rochester manufactured version of this device. Rochester Electronics guarantees the performance of its semiconductor products to the original OEM specifications. 'Typical' values are for reference purposes only. Certain minimum or maximum ratings may be based on product characterization, design, simulation, or sample testing.



8207 DUAL-PORT DYNAMIC RAM CONTROLLER

- Provides All Signals Necessary to Control 16K, 64K and 256K Dynamic RAMs
- Directly Addresses and Drives up to 2 Megabytes without External Drivers
- Supports Single and Dual-Port Configurations
- Automatic RAM Initialization in All Modes
- Four Programmable Refresh Modes
- Transparent Memory Scrubbing in ECC Mode
- Fast Cycle Support for 8 MHz 80286 with 8207-16
- Slow Cycle Support for 8 MHz, 10 MHz 8086/88, 80186/188 with 8207-8, 8207-10
- Provides Signals to Directly Control the 8206 Error Detection and Correction Unit
- Supports Synchronous or Asynchronous Operation on Either Port
- 68 Lead JEDEC Type A Leadless Chip Carrier (LCC) and Pin Grid Array (PGA), Both in Ceramic.

The Intel 8207 Dual-Port Dynamic RAM Controller is a high-performance, systems-oriented, Dynamic RAM controller that is designed to easily interface 16K, 64K and 256K Dynamic RAMs to Intel and other microprocessor systems. A dual-port interface allows two different busses to independently access memory. When configured with an 8206 Error Detection and Correction Unit the 8207 supplies the necessary logic for designing large error-corrected memory arrays. This combination provides automatic memory initialization and transparent memory error scrubbing.

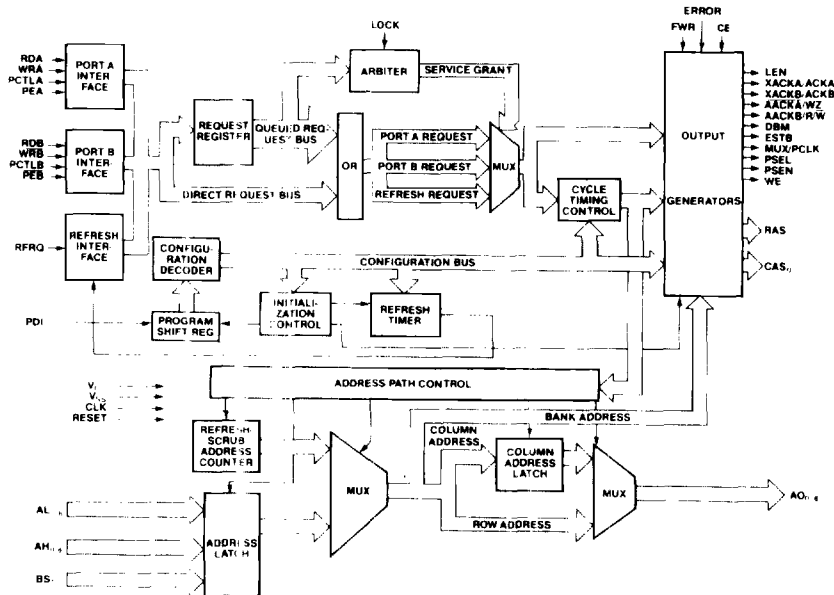


Figure 1. 8207 Block Diagram

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The complete document for this product is available on Intel's "Data-on-Demand" CD-ROM product. Contact your local Intel field sales office, Intel technical distributor, or call 1-800-548-4725.